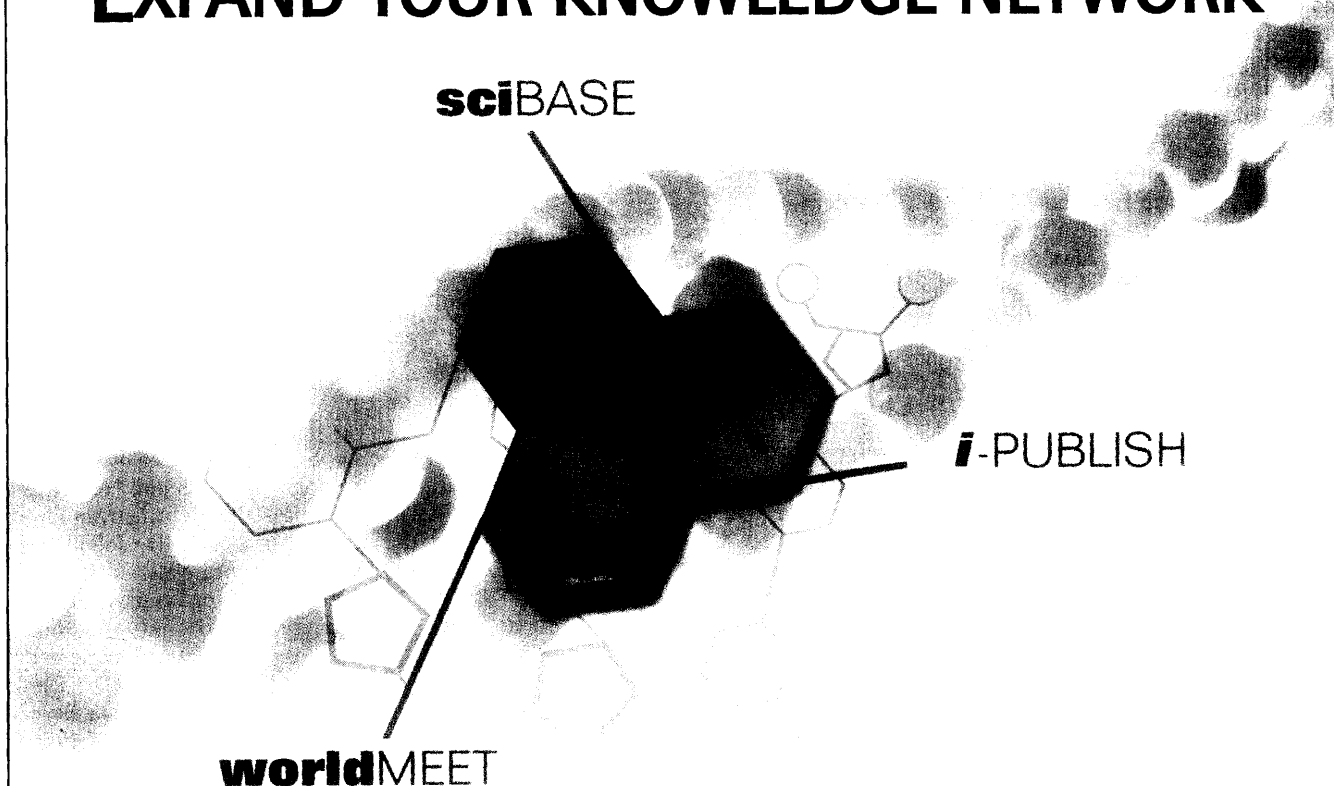


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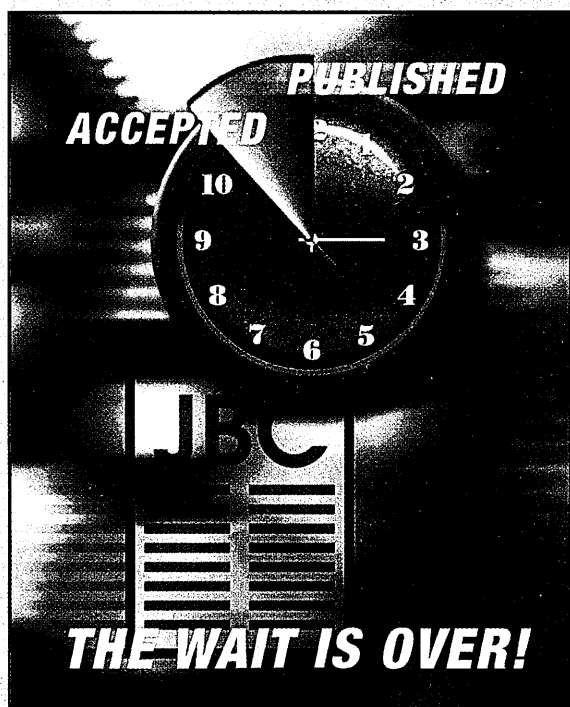


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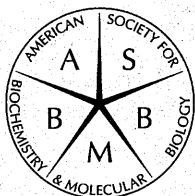
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The Repository of the Biological Resources Branch, NCI, announces the availability of recombinant human cytokines and monoclonal antibodies against mouse and human antigens.

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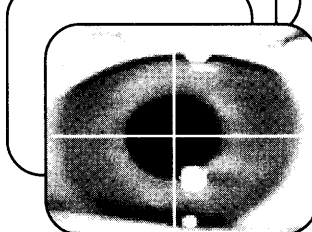
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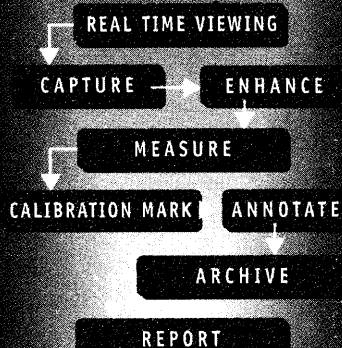
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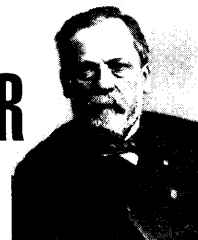


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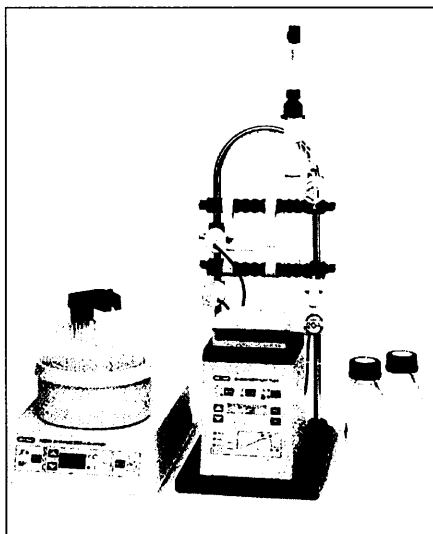
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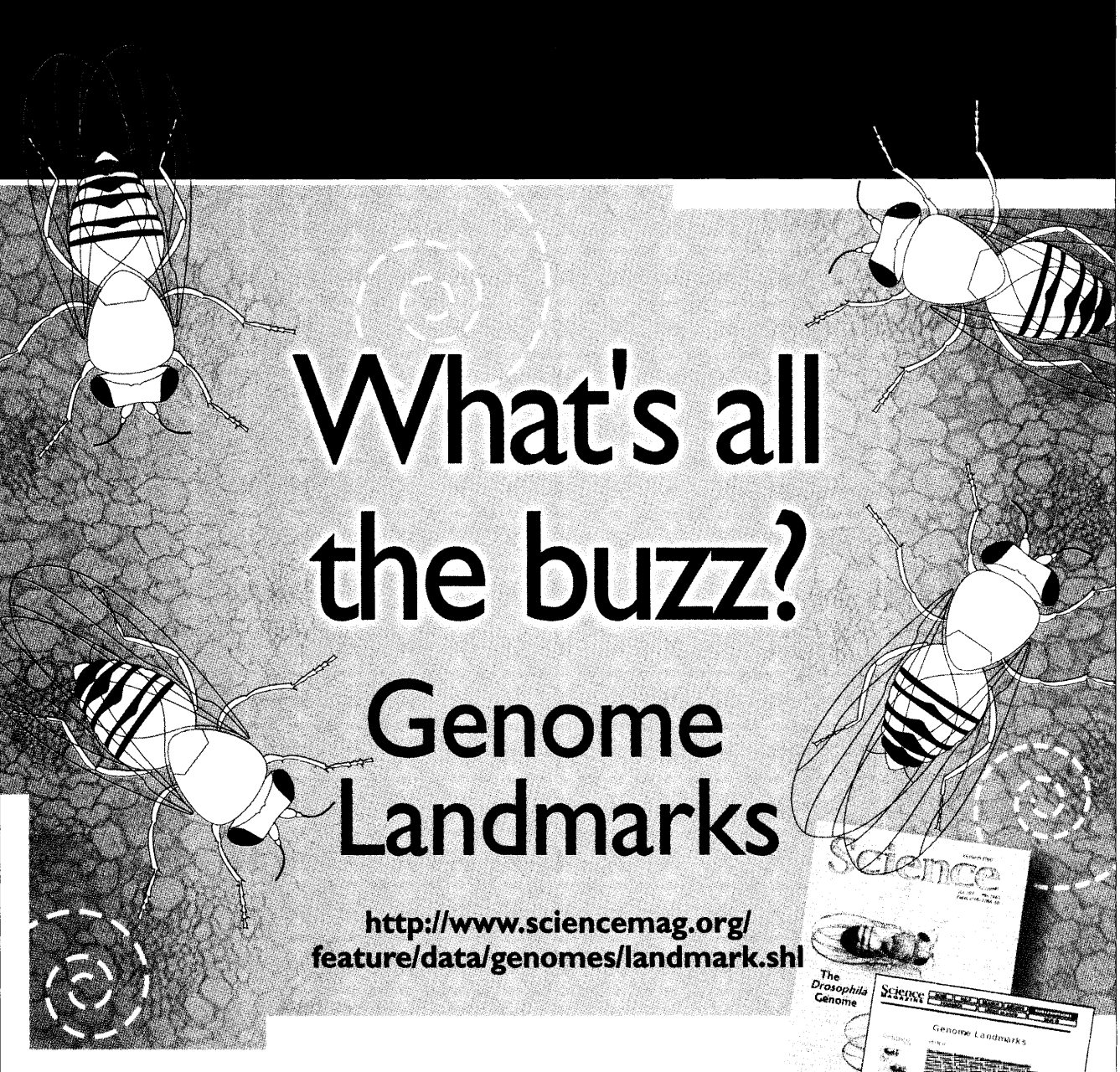
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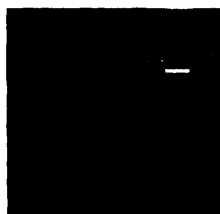
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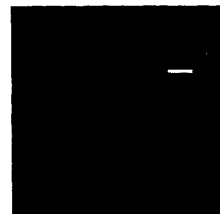
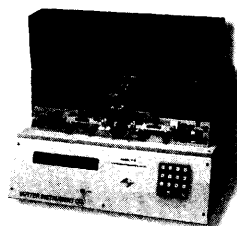
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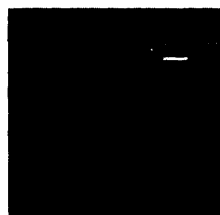


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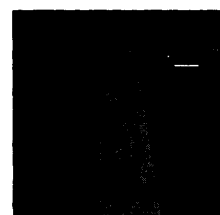
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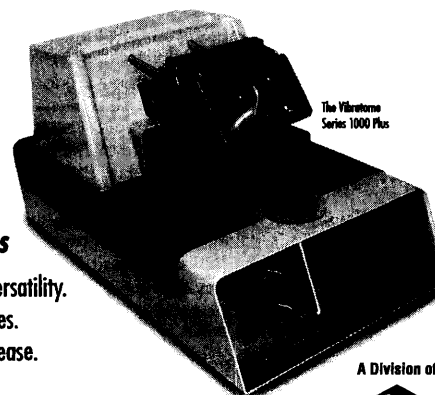
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The Boston Biomedical Research Institute, an independent nonprofit research institute ([website: http://www.bbri.org](http://www.bbri.org)), invites applications for two **JUNIOR** or **SENIOR RESEARCH FACULTY** positions from Scientists with postdoctoral experience and significant research accomplishments. The successful candidates will complement the research of other investigators at the Institute with interests in various aspects of contractility, signal transduction, and regulation of cell growth and will establish independent, externally funded research programs. Generous start-up packages are available. In February 2000 the Institute relocated to a new state-of-the-art research facility in Watertown, Massachusetts, an attractive 60,000-square foot building less than two miles from Harvard Square in Cambridge. Applicants should submit by mail curriculum vitae and a brief statement of research plans and arrange to have letters from three references sent to: **Chairman, Search Committee, Boston Biomedical Research Institute, 64 Grove Street, Watertown, MA 02472.** Screening of applications will begin on November 1, 2000, and will continue until the positions are filled.

The Department of Biology at the College of Charleston invites applications and nominations for **DEPARTMENT CHAIR**. We seek a person who will provide leadership in a community of productive scholars committed to excellence in teaching. The Department of Biology presently has 31 full-time faculty members on the main campus and at the Grice Marine Laboratory on Charleston harbor, representing the full range of biological disciplines. The Department has about 700 undergraduate majors and offers the B.A. and B.S. degrees in biology and the B.S. degree with emphases in marine biology, molecular biology, and teacher preparation. Additionally, the Department offers the M.S. degree in marine biology and participates in an interdisciplinary M.S. program in environmental studies. The College of Charleston is a public liberal arts college of about 11,000 students located in historic downtown Charleston, South Carolina. Further information is available at [website: http://www.cofc.edu/~biology](http://www.cofc.edu/~biology).

Applicants should send a cover letter; curriculum vitae; and the names and telephone numbers of four references, at least one of whom can address the candidate's administrative skills, to: **Chair, Biology Chair Search Committee, Department of Biology, College of Charleston, Charleston, SC 29424.** Questions may be directed to: **Deanna Caveny; Telephone: 843-953-5731.** The Search Committee will begin screening applicants on January 8, 2001, but applications will be accepted until the position is filled. The new Chair will assume duties effective August 16, 2001. *The College of Charleston is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.*

PALEONTOLOGY: ASSISTANT PROFESSOR. The Department of Geology of the University of Kansas invites applications for a tenure-track Assistant Professor in paleontology. The position will be available August 18, 2001, or January 1, 2002, depending upon funding, with a later start date possible. Primary consideration will be given to applicants whose interests are specimen-based and who use fossil invertebrates or microfossils to explore paleoecology or paleoclimatology. For application information, contact: **Anthony W. Walton, Department of Geology, University of Kansas, 120 Lindley Hall, Lawrence, KS 66045. Telephone: 785-864-2726; e-mail: TWalton@UKans.edu.** Review of completed applications will begin December 20, 2000, and continue until the position is filled. *Equal Opportunity/Affirmative Action Employer. The University is committed to increasing the ethnic and gender diversity of its faculty, and we strongly encourage women and minority candidates to apply.*

POSITIONS OPEN

ASSISTANT PROFESSOR ENVIRONMENTAL TOXICOLOGY/ ECOTOXICOLOGY

The Environmental Sciences Program at the University of Massachusetts at Amherst invites applications for a tenure-track faculty position in the area of environmental toxicology/ecotoxicology at the Assistant Professor level beginning September 1, 2001. We seek candidates with a Ph.D. in environmental toxicology, ecotoxicology, or a closely related field, preferably with postdoctoral experience in an academic or industrial setting. The successful candidate will have documented experience in the use of modern methods (e.g., WET) to detect, bioassay, and evaluate the effects of environmental contaminants on organisms and ecosystems. Applicants should be prepared to teach undergraduate courses on (1) the fundamentals of environmental science, (2) ecotoxicology, and (3) also teach appropriate undergraduate and graduate courses in one of several departments participating in the multidisciplinary Environmental Sciences program. Applicants will be expected to develop an independent, nationally competitive, extramurally funded research program and will have the opportunity to participate in the development of new graduate program options as part of a new collaboration involving the Environmental Sciences program and the School of Public Health and Health Sciences. Teaching and research collaborations are also possible in the unique Five College Educational Consortium involving Amherst College, Hampshire College, Mount Holyoke College, Smith College, and the University of Massachusetts at Amherst. Review of applicants will begin on January 5, 2001, and will continue until the position is filled.

Applicants should submit a letter of interest, a résumé, graduate transcripts, a description of their experience and their teaching and research plans, reprints of peer-reviewed research publications, and have three letters of recommendation sent to:

**Dr. Guy R. Lanza, Director
Environmental Sciences Program
312 Stockbridge Hall
University of Massachusetts
Amherst, MA 01003-7240**

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

FACULTY POSITIONS NEUROBIOLOGY

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



PROTEOGLYCANS IN HUMAN DISEASE: THE NEXT FRONTIER OF MEDICAL RESEARCH

ProteoTech (Proteoglycan Technologies) Inc. is a rapidly growing private innovative drug discovery and research development company focused on therapeutics and diagnostics for specific human diseases which involve "proteoglycans" in the disease pathogenesis.

ProteoTech is discovering the roles that specific proteoglycans play in the pathogenesis of a number of human diseases including Alzheimer's disease, Down's syndrome, diabetes, cancer, arthritis, atherosclerosis, heart disease and AIDS. This research is leading to the development of novel therapeutics and diagnostics in these diseases. ProteoTech was founded by internationally-acclaimed scientists from the University of Washington (Seattle). ProteoTech's Alzheimer's disease program has discovered

and developed several novel lead compounds for the treatment of Alzheimer's disease and related disorders. One such compound, PTI-00703[®], is currently in a Phase I/II human clinical trial to test its efficacy as a beta-amyloid protein fibrillogenesis inhibitor in patients with mild-to-moderate Alzheimer's disease. Other promising lead compounds for Alzheimer's disease and other human disorders involving proteoglycan technologies are expected to enter into clinical trial in the near future.

In order to rapidly expand our drug development program for Alzheimer's disease and related disorders, the following positions are now open at ProteoTech for the consideration of new candidates:

Ph.D., Natural Product Biochemist: Specialist in natural product/plant biochemistry; expertise in extraction/purification of active compounds from plant/herbal materials, preparative and analytical HPLC methodologies, LC/MS techniques, analytical chemistry, structure-activity relationship studies, thin layer chromatography, bioassay-guided fractionation and purification. Knowledge of NMR/IR is preferable.

Ph.D., Cell Culture Specialist: Specialist in developing and maintaining primary neuronal and glial cell cultures; use of cell culture to test proprietary compounds as inhibitors of Alzheimer's disease beta-amyloid protein fibrillogenesis and neurotoxicity, expertise in the development and use of in-vitro blood-brain barrier models; handling and use of radioactive compounds.

Ph.D., Organic Synthesis Chemist: Specialist in organic chemistry, expertise in synthetic organic chemistry, design of synthetic schemes to synthesize biologically important compounds, lead optimization and structure-assisted drug design, strong knowledge of small and/or large-scale organic synthesis, working knowledge of modern spectroscopic and chromatographic techniques.

Research Technician I/II: Specialist in extraction and column chromatography techniques; isolation of active compounds from natural plant/herbal sources; expertise in preparation of buffers and reagents, column chromatography, centrifugation and purification techniques, staining methods, use of antibodies for immunostaining, ELISAs, peroxidase and fluorescent immunohistochemistry.

Ph.D., Protein/Synthetic Biochemist: Specialist in protein/peptide biochemistry; expertise in general protein biochemistry procedures, SDS-PAGE, silver and Coomassie staining, isoelectric focusing, peptide mapping, bioassay-guided fragment purification, protein HPLC, Western and ligand blotting, preparation of blots for sequencing, solid and liquid phase binding assays, ELISAs, light scattering assays; knowledge towards development of protein/peptide therapeutics and diagnostic ELISAs; knowledge of synthetic/organic chemistry is preferable.

Ph.D., Pharmacokineticist: Specialists in guiding drug candidate selection and evaluation; expertise in pharmacokinetic studies and data analysis, protocol design, dose selection and interpretation of safety studies, report and regulatory submission writing, toxicity and toxicokinetics, ADME studies for the development of therapeutic compounds for CNS disorders, characterization of drugs/metabolites in biological samples and preclinical models, HPLC analysis of drug metabolites, research experience related to radioisotope handling.

Ph.D., Molecular Biologist: Specialist in molecular biology pertaining to proteoglycans; expertise in gene and protein expression, quantitative RT-PCR, expression cloning, purification of expressed proteins, Southern, Northern and Western blotting, plasmid preparation, transfection, splice variant identification, in-situ hybridization, and immunohistochemistry.

Please join us in building the biopharmaceutical company of the future at our research laboratories and corporate offices in beautiful Kirkland (Seattle) Washington. ProteoTech offers competitive compensation, benefits, a stock option program and 3-weeks paid vacation. All jobs offered require excellent laboratory, communication, problem solving and people skills. Candidates wishing to be immediately considered for these positions, please submit your curriculum vitae (with a list of 3 references) to: ProteoTech Inc. Attn: Chief Scientific Officer, 12026 115th Ave. N.E., Kirkland, WA 98034. Ideal candidates for each position will be directly contacted by ProteoTech for an interview. ProteoTech is an Equal Opportunity Employer. No phone calls please.



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POSTDOCTORAL FELLOWSHIP NEUROSCIENCE AND AGING INSTITUTE *Loyola University Chicago Stritch School of Medicine*

The Neuroscience and Aging Institute of Loyola University Chicago has an immediate opening for a Postdoctoral Fellowship position. Recent recipients of a Ph.D. and/or M.D. degree seeking further training in Neuroscience are encouraged to apply. Stipend includes a salary of \$25,000 in the first year, \$26,000 in the second year plus \$8,000 in additional funding for supplies and travel each year. Liberal benefits included.

Successful applicants will select a mentor from among the more than 70 members of the Neuroscience and Aging Institute and its Division for Research on Drugs of Abuse. These members include faculty from the Departments of Cell Biology, Neurobiology, and Anatomy, Molecular and Cellular Biochemistry, Neurological Surgery, Neurology, Pathology, Pharmacology, Physiology and Psychiatry, and also from the Parmly Hearing Institute and the Hines VA Hospital. A directory of Neuroscience Faculty and their particular research interests is available upon request.

Areas of research focus include: neurodegenerative diseases; neurodevelopment; neuroendocrinology/neuroimmunology; neuroregeneration/neuroplasticity; neurotoxicity; neurotransmitter/neuropeptide receptor systems; the neurobiology of drugs of abuse; and sensory neuroscience.

Candidates should promptly forward a letter of interest, including future research interests and career goals, curriculum vitae, and arrange for 3 letters of reference to be sent to:

Neuroscience and Aging Institute Fellowships Committee

c/o Paula Griffin-Arnold, Building 117, Room 29

Loyola University Medical Center

2160 S. First Avenue

Maywood, IL 60153

(708)216-6755 FAX (708)216-6823

<http://www.meddean.luc.edu/lumen/DeptWebs/nsai/index.htm>

INFORMATION MUST BE RECEIVED AND FILE COMPLETED BY DECEMBER 1, 2000. DEADLINE FOR APPLICATION IS FIRM.

Loyola University Chicago employs without regard to race, color, age, sex, national or ethnic origin, or religion, and is an equal opportunity employer. Qualified persons are not subject to discrimination on the basis of handicap.

Faculty Positions in Cancer Research LSU Health Sciences Center

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

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

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

Interested candidates should submit their curriculum vitae to:

Dr. Oliver Sartor, Director

Stanley S. Scott Cancer Center

533 Bolivar Street, Box CSB-4-17

New Orleans, Louisiana 70112

LSUHSC is an EOE/AA

Postdoctoral Position Laboratory of Epithelial Cell Biology

A postdoctoral position is currently available in the Laboratory of Epithelial Cell Biology at the Alfred I. duPont Hospital for Children in Wilmington, DE. The primary focus of the laboratory is the regulation of chloride channel activity in cystic fibrosis and the biochemical basis for the relationship between the loss of CFTR activity and CF pathophysiology. Recent work from the laboratory has identified drugs with therapeutic potential that we are now testing in cell culture systems. The position involves studies of antibacterial activity in airway cell lines and the characterization of secreted antibacterial proteins. Expertise in molecular biology, cell culture, and bacteriology are essential.

The Alfred I. duPont Hospital for Children is the pediatric teaching hospital for Thomas Jefferson University and the Laboratory of Epithelial Cell Biology is part of the Department of Pediatrics. The hospital is located on a 300-acre estate in Wilmington, Delaware, and offers the cultural and professional advantages of larger cities, given its convenient location within 30 minutes from Philadelphia, 1.5 hours from Washington, D.C. and 2 hours from New York City.

Competitive salary and benefit plans are offered. For consideration please send a cover letter, curriculum vitae, and the names of three references to **Dr. William Reenstra, Department of Clinical Science, The Alfred I. duPont Hospital for Children, PO Box 269, Wilmington DE, 19899, wreenstr@nemours.org, or fax (302) 651-6782.** The Alfred I. duPont Hospital for Children is an equal opportunity employer/affirmative action employer.

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HOSPITAL FOR CHILDREN

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Neuroscience Developmental Neurobiologist

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

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

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

Review of applications will begin November 15th. Candidates should send curriculum vitae, three letters of reference, and a summary of research goals limited to one page to: **Curt R. Freed, M.D., Director, Neuroscience Program and Center, University of Colorado Health Sciences Center, Box B138, 4200 E. Ninth Ave., Denver, CO 80262.**

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



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**In Vivo Pharmacology/Behavioral
Physiology**

**Receptor Pharmacology/High
Throughput Screening**

**Enzymology/High Throughput
Screening**

Protein Biochemistry/Cell Biology

Synthetic Organic Chemistry

Sr. Associate Scientists

Molecular Biology

Protein Biochemistry/Cell Biology

Analytical Chemistry

In Vivo Pharmacology

In Vitro Techniques/Cell Culture

Synthetic Organic Chemistry

Combinatorial Chemistry

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Find it for yourself at www.founditatabayer.com. Please forward your resume and research summary, including **Job Code #ASM1000**, to our resume response center at: **Bayer Corporation, Pharmaceutical Division, P.O. Box 3238, Scranton, PA 18505-0238. Fax: 1-888-805-7474; email: bayerpharma@alexus.com.**

We are an equal opportunity employer. Bayer Corporation is committed to enhancing and maintaining cultural diversity within our work environment.

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CORNELL UNIVERSITY — ASSISTANT PROFESSOR

The College of Human Ecology, Cornell University seeks applicants for a tenure track assistant professor in the area of life course studies. Candidates for this position must emphasize the role of historical time, lifetime experience, or other contextual factors such as biosocial interactions or the design of the living, working or care-giving environment on life course transitions or behavioral change across the life course. Candidates with the skills to fill successfully this position could come from a variety of disciplines including sociology, anthropology, psychology, design, public health, epidemiology, health education, nutrition and others. The successful candidate will actively participate in the activities of the Bronfenbrenner Life Course Center and will develop links with other departments in the College of Human Ecology and Cornell University. The tenure home department will depend on the interests and qualifications of the applicant.

- If the successful candidate focuses on the social and/or psychological antecedents and consequences of life course transitions, the position will be housed in the Department of Human Development. In this case the ability to determine the nature and consequences of a variety of types of transitions, including but not limited to transitions involving school, work, family, and community during later life, midlife, or adolescence will be required.
- If the successful candidate focuses on how dynamic life transitions that individuals make over time are related to nutrition and health, the position will be housed in the Division of Nutritional Sciences. In this case the ability to take an integrated and interdisciplinary biosocial perspective that examines life transitions in relationship to biological factors will be required.
- If the successful candidate focuses on the interface between human beings and the design of the living, working or care-giving environment, the position will be housed in the Department of Design and Environmental Analysis. In this case the ability to consider the role of design for individuals, families, or organizations as they grapple with major personal or social transitions and the social, cultural, and economic forces that affect life course transitions will be required.

Qualifications: Responsibilities include teaching three courses per year, supervising student research, and maintaining a rigorous, highly productive, and externally funded program of empirical research that will contribute to the department and college reputation in the life course area. **Salary:** Negotiable depending on experience and qualifications, with competitive benefit package. **Contact:** Send curriculum vita, samples of research, and three letters of recommendation to:

April Kampney, Dir. Human Resources, College Human Ecology
Cornell University, Ithaca, New York 14853

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UNIVERSITY

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Faculty Positions in Cell and Molecular Biology Department of Biological Science Florida State University

As a component of a major expansion, the Department of Biological Science seeks to fill three (3) tenure-track faculty positions in the broadly defined area of cell and molecular biology. Applicants at the Assistant, Associate, and Full Professor level will be considered. Candidates' research should be problem-oriented and use contemporary cellular and/or molecular tools to probe fundamental questions. It is anticipated that new faculty will interface with major strengths in the Department, which include cellular and molecular neuroscience, cellular dynamics and contractility/motility, developmental biology and gene expression, structural biology and biophysics, and molecular evolution.

The research and graduate training efforts of the Department of Biological Science are strongly complemented by interdisciplinary programs in Neuroscience, Molecular Biophysics/Structural Biology, Computational Science and Information Technology, Materials Research Technology and the National High Magnetic Field Laboratory. Florida State University also is establishing a new medical school that will further enhance the basic biomedical sciences. The Department of Biological Science and allied units maintain fully staffed, state-of-the-art core facilities that include molecular cloning, monoclonal antibody, bioanalytical, DNA sequencing, microarray, imaging and microscopy (including cryoEM), eukaryotic cell culture, X-ray crystallography, molecular modeling and physical biochemistry laboratories.

Applicants for entry-level positions must have significant postdoctoral training and a record of productivity that demonstrates promise in terms of developing an independent and externally funded research program. Middle and senior level applicants must have a distinguished track record with respect to research, graduate training and recognition by his/her peers. Salary is competitive and commensurate with training and experience. A generous start-up package is provided for new faculty.

Send a letter of application, a description of research with two selected reprints, and a curriculum vitae to: **Cell and Molecular Biology Search Committee, Department of Biological Science, Florida State University, Tallahassee, FL 32306-1100**. Applicants are encouraged to arrange for three (3) letters of recommendation to arrive coincident with application materials. Applications will be evaluated on a rolling basis and should arrive no later than December 1, 2000 for full consideration. For more information: <http://www.bio.fsu.edu> or cmbssearch@bio.fsu.edu.

Florida State University is an Equal Opportunity/Affirmative Action employer, committed to diversity in hiring, and a Public Records Agency.

This is an exciting time for you to team up with Coulter Pharmaceutical, a leading developer of novel drugs & therapies for the treatment of cancer & autoimmune diseases. Our most advanced investigational biologic product candidate is Bexxar™, a radioimmunotherapy being developed for the treatment of non-Hodgkin's lymphoma & other B-cell malignancies. We're looking for motivated team-players to apply expertise & vision to help us build not only a leading pharmaceutical company, but the future of novel cancer therapeutics.

Scientist, Medicinal Chemistry

Set-up a medicinal chemistry lab; expand a medicinal chemistry program to bring forward tumor activated (TAP) & tumor specific targeted (TST) cytotoxic compound conjugates for drug development; develop proposals for innovative programs to broaden & deepen the Coulter pipeline; help hire chemistry candidates (PhD & BS/MS level); provide scientific leadership. Reqs good communication skills; PhD w/post doc; some exp w/synthetic chemistry (heterocycle, peptide or combinatorial chemistry) req, including multi-step (solid & solution phase) synthesis using a wide variety of reagents, methods of purification & characterization of synthetic products. Exp w/cancer research program a plus. (Job Code: VM)

Post-Doctoral Scientists

Two Positions (2-year Term)

Develop novel gene expression systems for mammalian cells. As part of a collaboration with scientists in the U.K., Coulter is developing novel gene-expression technology with potential application in functional genomics, in vivo gene delivery, and production of therapeutic proteins. These positions require a PhD, excellent molecular biology skills & the drive and enthusiasm to make a significant impact in the field of gene expression analysis. Emphasis will be given to publication of high quality results and an excellent publication record will be an advantage. (Job Code: PD)

We offer competitive salaries & benefits and a pathway for professional growth. Please mail or FAX resume to: **Coulter, T. Byrne, Attn: (Job Code: _____), 600 Gateway Blvd., South San Francisco, CA 94080; FAX: (650) 553-1240. EEO**

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RESEARCH ASSOCIATES/SCIENTISTS
(REF#RA3)**

These positions require an M.S. degree in Organic Chemistry or a B.S. in Chemistry with a minimum of 3 years' experience synthesizing organic compounds. Previous pharmaceutical industry experience is a plus. The successful candidates will conduct multi-step synthesis, isolation, purification and characterization of novel compounds for biological evaluation. A proficiency in modern synthetic organic methodology, purification techniques, including chromatographic techniques (TLC, column chromatography, HPLC) and analytical techniques, including NMR spectroscopy and mass spectrometry, are essential. For one position, knowledge of both solid and solution phase library synthesis as well as automation is a plus. Candidates must have strong communication skills necessary for documenting and presenting scientific results.

**PH.D. SYNTHETIC/MEDICINAL CHEMISTS -
SENIOR SCIENTISTS - ENTRY LEVEL
(REF #EL1)**

The Chemistry Department of Neurogen Corporation has immediate openings for entry level Ph.D. Chemists. The qualified applicants will hold a Ph.D. in Synthetic Organic Chemistry with post-doctoral experience being preferred. Individuals must have extensive experience in multi-step organic synthesis and modern analytical methods, especially NMR, mass spectrometry and HPLC. Applicants should have a record of research excellence and accomplishments in organic/synthetic chemistry, including the ability to conceive, critically evaluate, conduct and communicate research relating to synthetic/medicinal chemistry. The ability to work independently within a project team is required. Excellent organizational and problem-solving skills are essential.

**PH.D. SYNTHETIC/MEDICINAL
CHEMISTS - SENIOR SCIENTISTS
(REF#SS2)**

The Chemistry Department of Neurogen Corporation has immediate openings for experienced Ph.D. Chemists. The qualified applicants will hold a Ph.D. in Organic, Synthetic, or Medicinal Chemistry and have 2-7 years' experience in the field of drug discovery. Individuals must have extensive experience in multi-step organic synthesis and modern analytical methods, especially NMR, mass spectrometry and HPLC. The ability to work independently within a project team is required. Applicants should have a record of research excellence and accomplishments in the field of medicinal chemistry and should demonstrate an ability to conceive and prepare novel biologically active small molecules, and to critically evaluate, conduct and communicate research relating to synthetic/medicinal chemistry. Excellent organizational and problem-solving skills are essential. Experience with parallel/combinatorial chemistry and/or computer modeling is advantageous.

At Neurogen corporation, we believe in the importance of our employees health and well-being, and are proud to offer a comprehensive and competitive benefits package that includes medical, dental, life, accidental death and dismemberment, and long-term disability insurance, health care and dependent care accounts, 401K plan, stock options and 3 weeks vacation. And all medical, dental and life insurance benefits start on the employee's date of hire!

Please send resumes with research summary, including Ref # to: **snolan@nrgn.com; Fax: 203-481-8683; or mail to: Human Resources, Neurogen Corp., 35 NE Industrial Rd, Branford, CT 06405.**

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IMMUNOLOGY & TRANSLATIONAL TUMOR IMMUNOLOGY

Department Of Microbiology and Immunology Dartmouth Medical School

The Department of Microbiology and Immunology at **Dartmouth Medical School (DMS)** invites applications to fill two tenure-track faculty positions in the Immunology Program at **Dartmouth Medical School**. The successful applicants will hold the MD and/or PhD degree and will join a dynamic and interactive faculty that has strong research and teaching credentials in immunology. Although targeted primarily at the Assistant/Associate Professor level, senior candidates with particularly strong records of research accomplishment and sustained program growth and funding are welcome to apply.

Candidates will be expected to develop or expand upon a strong, independent yet collaborative, research program. Teaching opportunities include participation in courses in medical microbiology/immunology, undergraduate immunology, and/or graduate courses in the Molecular and Cellular Biology (MCB) PhD Program.

The **Norris Cotton Cancer Center (NCCC)**, an NCI-funded, comprehensive center, and the Department of Microbiology & Immunology are actively developing translational studies in cancer immunotherapy. We encourage applicants whose work focuses on the interface of immunology and cancer immunobiology to apply for either position. One of these openings is for a translational immunologist. For the second position, the Department of Microbiology & Immunology will recruit an immunologist whose background and area will complement the expertise of the immunological community.

These positions afford the opportunity to utilize state-of-the-art facilities and resources associated with a major research and teaching institution and cancer center, and benefit from an established graduate program, while enjoying the quality of life characteristic of the area of Northern New England surrounding the Dartmouth community. For further information on the various programs at **DMS** and the **NCCC**, see the listings at www.dartmouth.edu/~dms/ and NCCC.hitchcock.org

Applications should consist of a curriculum vitae, a brief statement of research interest and plans, and three letters of reference to: **Dr. Randolph J. Noelle, Department of Microbiology and Immunology, Dartmouth Medical School, 640 W. Borwell Building, 1 Medical Center Drive, Lebanon, NH 03756**. Applications will be reviewed beginning November 1, 2000 and continue until the positions are filled. Dartmouth Medical School is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and members of minority groups.



**NORRIS COTTON CANCER CENTER
DARTMOUTH-HITCHCOCK MEDICAL CENTER**

FACULTY POSITION, NEUROSCIENCE Department of Neuroscience University of Connecticut Health Center

The Department of Neuroscience at The University of Connecticut Health Center invites applications for a tenure-track faculty position. This new department has a strong commitment to excellence in research, scholarship, teaching of medical and graduate students, training health professionals, and community service. While all areas of neuroscience will be considered, preference will be accorded to applicants with research programs complementary to departmental strengths (<http://www9.uconn.edu/departments/neuroscience/>), with special emphasis on cellular electrophysiology/membrane biophysics and the genetics of diseases of the nervous system. Applicants are expected to have a Ph.D. or M.D. with appropriate training in relevant basic sciences, with at least three years of postdoctoral experience. Candidates must combine a demonstrated ability to develop a strong, competitive and independent state-of-the-art research program, with a commitment to the teaching of medical and graduate students. Applicants should indicate the rank for which they are applying, and submit a copy of their curriculum vitae, reprints of two (2) representative publications, a one-page statement of scientific goals and plans, and three letters of reference to: **Dr. Richard Mains, Chair, Department of Neuroscience, University of Connecticut Health Center, 263 Farmington Ave., Farmington CT 06030-3401**. Applications will be accepted until December 15, 2000.

The University of Connecticut is an Equal Opportunity/Affirmative Action Employer. Women and people from diverse racial, ethnic, and cultural backgrounds are strongly encouraged to apply.

THE UNIVERSITY OF BRITISH COLUMBIA DEPARTMENT OF OPHTHALMOLOGY

The Department of Ophthalmology at the University of British Columbia is seeking applications for a Research Associate in the Centre for Macular Research. Duties and responsibilities will include carrying out research on the genetics, molecular or cell biology of the retina and retinal degenerative diseases. The individual will pursue independent research as well as have an opportunity to collaborate with other investigators at the Centre. The position is for a three-year term and may lead to a tenure-track position. Candidates should have a PhD or MD and at least two years of postdoctoral research training.

Salary will be commensurate with qualifications and experience. This is a term position and is renewable. The anticipated start date is July 1, 2001.

UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply. In accordance with Canadian immigration requirements priority will be given to Canadian citizens and permanent residents of Canada. Please send curriculum vitae, three letters of reference and a 1-2 page summary of proposed research by **January 31, 2001** to:



Dr. Robert S. Molday, Centre of Macular Research, Department of Ophthalmology, Faculty of Medicine, 2550 Willow Street, Vancouver, BC, Canada, V5Z 3N9
Phone: 604-822-6173; Fax: 604-822-5227;
e-mail: molday@interchange.ubc.ca

Department of Molecular Genetics Section of Cancer Genetics

The newly established **Section of Cancer Genetics** is recruiting tenure tract positions at the level of **Assistant Professor** to establish an outstanding research program in the area of cancer genetics. Individuals working in human and mouse systems as well as other genetic systems to study the pathways altered in cancer are encouraged to apply. The department has strong ongoing programs in signal transduction, cell cycle, DNA repair, and development. We offer a very attractive recruitment package, an active graduate and postdoctoral training program and the unmatched scientific environment of the Texas Medical Center. Applicants should hold Ph.D. and/or M.D. degrees and be able to demonstrate their potential as independent scientists. Those interested should send a curriculum vitae, a two-page research summary, and the names and addresses of at least three references before December 31, 2000 to:

**Guillermina Lozano, Ph.D.
Chair of the Search Committee
Department of Molecular Genetics, Box 11
The University of Texas M.D. Anderson Cancer Center
1515 Holcombe Blvd., Houston, TX 77030**

MDACC is an Equal Opportunity Employer, smoke free environment.
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- **MEMBRANE BIOPHYSICS AND BIOCHEMISTRY**
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For positions in San Diego, please send your resume to: **Merck Research Laboratories San Diego, Attn: L. Alba, MRL-SD, 505 Coast Blvd South # 300, La Jolla, CA 92037. e-mail to mrlsd_recruitment@merck.com or fax (858) 452-9279.**

Qualified candidates will be contacted. No phone calls please. We are an Equal Opportunity Employer, M/F/D/V.

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**Cancer Center Director
University of Missouri-Columbia**

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

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

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

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

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

Group Leader

Molecular Instrumentation Applications Development

GeneMachines is seeking a senior scientist with a strong interest in new instrument applications and process automation to lead our Molecular Instrumentation Applications Development Group. This is a strategic position intended to focus the applications of GeneMachines' cutting-edge technology and develop useful reagents and consumables appropriate to a user's need. The appropriate candidate will have significant experience in two or more of the following areas:

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- Development of novel procedures/protocols relevant to the field of genomics (sequencing, microarraying, or genotyping)
- Consensus-based management of research and development personnel
- Oversight of biological protocols from conception through release as a marketed product
- Creation of novel protocols and techniques in the fields of biochemistry, molecular genetics, or proteomics

The candidate will lead a multi-disciplinary team of biologists, chemists, and engineers which works with other company groups in both leading and supporting roles. Responsibilities will include: input on instrumentation product decisions, identification and in-licensing of new technologies, support of applications on released products and development and execution of a consumables research and revenue plan.

Candidates must have Ph.D. in biochemistry, molecular biology, or genetics plus 5-7 years of relevant experience. The candidate should possess excellent communication (oral and written) and problem solving skills and the ability to work effectively on a multi-disciplinary team.

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

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**Assistant Professor
COMPUTATIONAL BIOLOGY
in the
Department of Biological Sciences
Simon Fraser University**

The Department of Biological Sciences is seeking a tenure track faculty member in the area of Computational Biology. The appointment will be made at the Assistant Professor level with a start date on or after September 1, 2001. We seek an individual who uses mathematical tools in conjunction with experimental studies to elucidate biological processes or phenomena. Potential research areas are open, but could include theoretical ecology/evolutionary biology, computational genomics or computational neuroscience. There are many opportunities for collaboration within the Faculty of Science. The successful candidate will pursue a vigorous, externally funded research program that includes the training of graduate students. She or he will contribute to teaching at the undergraduate level and develop and teach upper division undergraduate courses in their area of expertise.

A Ph.D. degree is required, and appropriate post-doctoral experience is preferred. Applicants should send, no later than December 31, 2000 a curriculum vitae, three representative reprints, a one-page summary of their research objectives, and three letters of reference to:

**Dr. Norbert H. Haunerland, Chair
Department of Biological Sciences
Simon Fraser University
8888 University Blvd.
Burnaby, B.C. V5A 1S6
Canada
Fax: 604-291-4312**

The department web page can be accessed via <http://www.biol.sfu.ca>. Canadians and permanent residents will be given preference, however, non-Canadians are encouraged to apply. All appointments are subject to budgetary authorization.

Simon Fraser University is committed to the principle of equity in employment and offers equal employment opportunities to qualified applicants.

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Office of Admissions
7 MBL Street, Woods Hole, MA 02543 USA
1-508-289-7401 / admissions@mbi.edu

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Biology

NEUROSCIENTIST

The Department of Biological Sciences invites applications for a tenure-track position at the rank of Assistant Professor to begin August 15, 2001. Candidates must possess a Ph.D. and have teaching experience.

The successful candidate will, over a two-year period, teach courses in his/her area of expertise, a neuroscience course for majors, a course in human anatomy, and a cellular physiology course. The candidate is expected to have a strong commitment to undergraduate teaching and advising and to develop a strong program in molecular biology research. Review of completed applications will begin December 1, 2000 and will continue until the position is filled.

Applicants should send curriculum vita, copy of undergraduate and graduate transcripts, statement of teaching, philosophy, summary of research interests, and have three letters of recommendation sent to:

Rev. Theodore D. Suchy, Chair
Department of Biological Sciences
Benedictine University
5700 College Road
Lisle, IL 60532



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BIOLOGIST/ENGINEER (KM 21/00W): Develop technologies for detection of nuclear, biological and chemical agents under arms control treaties. Experience in sensor technologies (chemical and biological), biological laboratory procedures; knowledge of cell culture practices and molecular biology. Must have 2-4 yrs related experience w/a MS/MA Degree in Biology, Biotechnology, Biochemistry or Biochemical Engineering.

ANALYTICAL CHEMIST (JB 75/00W): Support sample collection and handling efforts involving multiple and mixed media. Work directly on-site w/customer on QA/QC tasks for analytical chemistry program. Travel is required to laboratories to audit analyses programs. Experience in production environmental lab, Purge & Trap techniques, GC/MS, GC/Multiple Detectors, plus a strong background in QA/QC and organic analysis. Must have 5 yrs related experience w/a BS/BA Degree in Chemistry. MS or PhD will be considered.

SR. SCIENTIST (BL 57/00W): Provide technical advice to the Defense Threat Reduction Agency (DTRA) On-Site Technology (OST) directorate in the area of seismology and geophysical research. Experience in research in one or more of the following areas: Seismology, Infrasound, and/or Hydro Acoustics. Knowledge in seismic, infrasound and/or hydro acoustical sensors. Good oral and written communication skills. Must have 5-10 yrs related experience w/a MS/MA Degree in Geophysical Science or Seismology.

Send resume w/salary requirements and job code to: **Advanced Engineering & Sciences, a Division of ITT Industries, 2560 Huntington Ave., Alexandria, VA 22303, Email: jobs.alex@itt.com, Fax (703) 960-0512.** All applicants must be able to obtain appropriate level Security Clearance.



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Scientist Positions in Obesity

Cell biologist/molecular biologist

We are seeking a scientist with a strong background in cell biology and molecular biology. This position will involve target identification and characterization, as well as the development of cell-based assays to support efforts in the obesity area. Requirements include a Ph.D. degree in biochemistry, pharmacology or neuroscience and 1-3 years of postdoctoral experience. Candidates should have demonstrated experience with cell-based receptor assays and pharmacology of G-protein coupled receptors; experience in obesity research is also desirable.

In vivo pharmacologist

We are seeking a scientist with a strong background in *in vivo* pharmacology. This position will involve the development and characterization of obesity models and the evaluation of novel compounds in these models. The qualified applicant should have a Ph.D. degree in pharmacology, biochemistry or neuroscience and 1-3 years of postdoctoral experience. Candidates should have demonstrated experience in *in vivo* neuropharmacology/neurophysiology. Experience with *in vivo* models of obesity is also desired.

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Faculty Position in Molecular Neuroscience



Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Department of Anatomy and Neurobiology

We seek an individual taking innovative molecular or cellular approaches to fundamental questions in neural development, function, or behavior for a tenure track position as Assistant Professor in the Department of Anatomy and Neurobiology at Washington University School of Medicine (<http://thalamus.wustl.edu>). The department houses 25 active research labs in neurobiology, and it is part of a much larger interdepartmental neuroscience program (<http://thalamus.wustl.edu/Neuroweb>). Excellent shared facilities are available for molecular and cellular neuroscience, including imaging (electron, confocal and two-photon microscopy), and mouse genetics (generation and behavioral analysis of transgenic and knockout lines). Both the department and the neuroscience program offer numerous opportunities for scientific interactions and collaborations. To apply send synopsis of research interests and a CV including names and phone/fax/email of three references to: Dr. David Van Essen, Anatomy and Neurobiology, Box 8108, Search Committee, Washington University School of Medicine, 660 S. Euclid Ave., St. Louis, MO 63110, by December 30, 2000, or send email to susan@pcg.wustl.edu (combine material and send as one email attachment file). *AAEOE. Applications from minorities and women are encouraged.*

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Bioscience

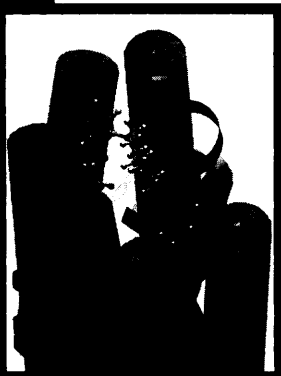
Roche Bioscience is committed to innovation in human pharmaceutical research. Our Palo Alto-based research units are focused on innovative breakthroughs in small molecule drug discovery. We have the following immediate opportunities available.

RESEARCH SCIENTIST

We're seeking a motivated, creative, and independent professional to become an integral member of the Core Sciences Transgenics/Genomics group within Neurobiology. You will be responsible for applying molecular genetic and functional genomics approaches to target validation and model development activities within the CNS and GenitoUrinary areas. Requires a PhD or equivalent and 2-4 years postdoctoral experience with a strong background in Neurobiology. Required skills include molecular biology expertise and experience with either transgenic/gene targeting technologies or other *in vivo* functional genomics approaches. A working knowledge of mouse and human genetics, strong computer and Internet skills and the ability to work in a team, present ideas and results, and be accountable for project development are essential. 1027SCI-TG

PRINCIPAL RESEARCH SCIENTIST

Use your proven command of physiology, neurology, and anatomy as you lead a dedicated team of research associates working to establish, develop, and validate *in vivo* models of visceral organ dysfunction. Critical to fulfilling the strategic goals of the Neurobiology Business Unit in the GenitoUrinary area, your duties will include interpreting and evaluating research results; making recommendations to management; and communicating effectively with personnel of all levels. Requires a PhD or equivalent and 6+ years research experience for the pharmaceutical industry in biological sciences, pharmacology, biology and/or physiology. Proven abilities in *in vivo* model development, problem solving and project management are essential, as is experience managing research associates. 1027SCI-PRS



RESEARCH SCIENTIST

This position in our GenitoUrinary area requires a PhD or equivalent and 2-4 years postdoctoral experience with a strong background in physiology, neurology and anatomy. Also requires skills in pharmacological study design, *in vivo* model development, *in vitro* tissue bath methodology and computer/Internet, as well as working knowledge of biochemistry and molecular biology. 1027SCI-RS

RESEARCH ASSOCIATE

We're seeking an enthusiastic and creative individual to join a highly motivated team of biochemical pharmacologists and cell system biologists working on novel molecular targets for the treatment CNS diseases. Be responsible for assisting in the development of cell-based assays for enzyme, receptor and ion channel drug discovery targets. Requires a BS or MS degree in the life sciences and preferably 1-2 years experience in a laboratory setting. 1027SCI-RA

RESEARCH ASSOCIATE

We're seeking an independent, creative electrophysiologist to join our Neurophysiology Group involved in the discovery of novel medicines for CNS diseases. Using your experience with patch clamp techniques, you will complete electrophysiological characterization of the effects of various classes of compounds on HERG ion channels *in vitro*. You should have a BS with 2+ years experience or an MS with 1+ years experience with production and analysis of HERG-related screening data, including cell culture techniques. Experience with additional electrophysiological techniques (i.e., two-electrode voltage clamp, calcium imaging or acute slice physiology) and evaluation of recombinant and native ion channels is desired. 1027SCI-RAE

We reward results by offering competitive salaries, incentive compensation and a full benefits package, which includes relocation assistance and a 401(k) pension plan. For immediate consideration, send your resume, indicating the appropriate Job Code, to us at Roche Bioscience, 3401 Hillview Avenue, A2-HR, Palo Alto, CA 94304. Fax to (650) 424-8159 or email paloalto.hr_staffing@roche.com. As an equal opportunity employer, we are committed to workforce diversity. Visit our website at www.roche.com/bioscience.



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- Provide assistance to other departments in the evaluation of the toxicity of various ingredients in different modified release dosage formulations.
- Provide pharmacological and toxicological input and assessments needed for preparation of INDs and NDAs.
- Interaction with other departments to provide information and evaluation of Nonclinical pharmacology and toxicology data to be used in formulating recommendations for doses, dose escalation schemes, and treatment schedules for Clinical Trials. Make recommendations as to target organ toxicity and safe starting doses for Phase I Clinical Trials.
- Interface with FDA and other worldwide health authorities by attending meetings, responding to FDA technical questions, and various other interactions as deemed necessary.

The ideal candidate will possess sufficient pharmaceutical industry and/or CRO experience and a Ph.D. or Ph.D./DVM in Toxicology or Pharmacology and profound knowledge with respect to relevant drug development regulations of drug development. Individual must have a working knowledge of modern toxicological, pharmacological, and biological methods of drug evaluation. Must have strong oral and written communication skills, excellent computer skills, and the proven ability to work in a team environment.

Mail, fax or email resumes to: (301) 721-7165, annes@otsuka.com, Otsuka America Pharmaceutical, Human Resources, 2440 Research Blvd., Rockville, MD 20850. EEO/M/F/D/V. Women and minorities are encouraged to apply.

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Pre- & Postdoctoral Fellowships in Neuroscience Center for Biomedical Research Excellence (COBRE) on Neural Mechanisms of Adaptive Behavior

The newly established Center at the University of South Dakota School of Medicine is a multidisciplinary research effort aimed at understanding how the nervous system adapts behavior to environmental conditions. The Center has several immediate openings for pre- and postdoctoral training positions in the area of Neuroscience.

Research areas of the faculty include: learning and memory, neurogenesis, neural control of breathing, reproductive behavior, motor control, and recovery of function following CNS injury. A full description of the Center and its faculty may be found at: <http://www.usd.edu/neurogroup/>.

Letters of application for postdoctoral positions should include a curriculum vitae and names of three references; inquiries into predoctoral positions should include a statement of research interests and career goals. For further information, contact: **J. Keifer, Ph.D., Neuroscience Group, Division of Basic Biomedical Sciences, University of South Dakota School of Medicine, Vermillion, SD, 57069. E-mail: jkeifer@usd.edu. AA/EOE**

Tenure-Track Faculty Position in Molecular Neuroendocrinology University of California, San Diego School of Medicine

Applications are invited for a full-time tenure-track/tenured faculty position at the Assistant/Associate Professor level. Applicants must have a Ph.D. or M.D. and at least three years of postdoctoral training in molecular biology, neurobiology, endocrinology, and/or reproductive biology. The successful applicant will establish (or have established) an active independent research program with emphasis in the areas of neuroendocrinology and reproduction. The Division of Reproductive Endocrinology has a highly interactive faculty with interests in development of the pituitary and hypothalamus, molecular signaling by neurotransmitters and hormones, transcriptional control of hormone gene expression, ovarian function, growth factor control of folliculogenesis, the roles of leptin and obesity in infertility, and polycystic ovary syndrome.

Please send curriculum vitae, summary of current research, statement of future research goals, and names and addresses for recommendations before February 1, 2001 (or until position filled) to:

**University of California, San Diego
Reproductive Medicine, 8433
Division of Reproductive Endocrinology
200 West Arbor Drive
San Diego, California 92103-8433
Attention: Linda McKinny, Recruitment
Coordinator**

The level of appointment and salary will be commensurate with qualifications and experience in accordance with UC policy.

UCSD is an Affirmative Action/Equal Opportunity Employer.

MOLECULAR MICROBIOLOGY Tenure Track Faculty Position Bowdoin College

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

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

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



Postdoctoral Research Opportunities

The Department of Cancer Immunology & AIDS at the Dana-Farber Cancer Institute has immediate openings at the postdoctoral level for molecular and cellular studies of lymphocyte development and function to be conducted in the newly constructed Smith Research Laboratories. A joint appointment will be held in an appropriate department of the Harvard Medical School with opportunities for advancement. Dana-Farber/HMS offer substantial scientific resources within a stimulating research environment. Highly qualified candidates should send a CV to: **Harvey Cantor, Chairman, Department of Cancer Immunology & AIDS, Dana-Farber Cancer Institute, 44 Binney Street, Boston MA 02115; FAX 617 632 4630; Alison_Angel@DFCI.harvard.edu**

DFCI is an Equal Opportunity Employer. Women and minorities are strongly encouraged to apply.

NIH Research Positions Molecular Immunology

A position is available immediately to investigate molecular mechanisms that underlie the etiology and susceptibility to intraocular inflammatory diseases of infectious or autoimmune origin. Emphasis will be on growth factor/cytokine regulation of JAK/STAT signaling pathways of ocular cells (see JBC 274:9686, 1999; Dev. Biol 210:44, 1999; J. Immunol. 162:510, 1999; Clin. Immunol. 91:196, 1999) and on negative regulators of cytokine signaling (SOCS, CIS, PIAS). Salary range is from \$30,000-\$40,000 depending on postdoctoral experience. Applicants must have a strong background in immunology or molecular biology with less than 5 years of postdoctoral experience. All candidates must be US citizens or permanent residents and have a Ph.D. or M.D. Deadline for application is December 1, 2000. Send curriculum vitae and names of 3 references to:

Charles E. Egwuagu, MPH, Ph.D.,
Laboratory of Immunology,
National Eye Institute,
National Institutes of Health,
Building 10, Room 10N116,
10 Center Dr. MCS 1857,
Bethesda, Maryland 20892-2730
Fax: (301) 480-3914;
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The positions will suit individuals seeking either a first or second post-doctoral position.

Please send c.v.'s with two professional references to:

John P. Moore, Ph.D.
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New York, NY 10021

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EEO/AA/M/F/D/V



www.med.cornell.edu/jobs

CUBIST
PHARMACEUTICALS

Postdoctoral Scientist - Microbiology

An immediate opening exists in the Drug Discovery, Microbiology group for a postdoctoral scientist to characterize the mechanism of action of novel antibiotics. Knowledge of microbial physiology, biochemistry, and genetics is desirable; experience with Gram-positive bacteria a plus. Successful candidates must possess good verbal and written communication skills, as well as the ability to work in a multi-disciplinary environment with an emphasis on teamwork and flexibility. This position is ideal for candidates seeking a career in drug discovery. A Ph.D. degree in molecular biology, bacterial genetics, or related field is required. Experience with anti-bacterial drug mechanism of action is preferred.

Research Scientist - Preclinical Pharmacology

An immediate opening exists in the Drug Discovery, Pharmacology group for a Ph.D. scientist to characterize the efficacy of novel antibiotics in laboratory rodent test systems. Knowledge of bacterial diseases, microbial physiology, lab animal pharmacology, pharmacokinetics, and toxicity is desirable. Candidates must possess good laboratory, verbal and written communication skills as well as the ability to work in a multi-disciplinary environment with an emphasis on teamwork and flexibility. Management experience is a plus. A Ph.D. degree in microbiology, pharmacology, or related field is required. Experience with anti-bacterial testing and surgery in laboratory rodents is preferred.

Senior Research Associate - Preclinical Pharmacology

A research position in our Drug Discovery, Pharmacology group is available to characterize the efficacy of novel antibiotics in laboratory rodent test systems. Knowledge of bacterial diseases, microbial physiology, lab animal pharmacology, pharmacokinetics, or toxicity is desirable. Candidates must have good laboratory animal handling skills as well as effective verbal and written communication skills. The ability to work in a multi-disciplinary environment with an emphasis on teamwork and flexibility is a requirement. The ability to learn new test systems and successfully work with pathogenic bacteria is a necessity. A BS or MS degree in microbiology, pharmacology, or related field is required as well as 5-8 years experience. Experience with anti-bacterial testing, animal handling, or surgery in laboratory rodents is preferred.

Research Associate - Preclinical Pharmacology

A research position in our Drug Discovery, Pharmacology group is available to characterize the efficacy of novel antibiotics in laboratory rodent test systems. Knowledge of bacterial diseases, microbial physiology, lab animal pharmacology, pharmacokinetics, or toxicity is desirable. Successful candidates must have good laboratory, verbal and written communication skills. The ability to work in a multi-disciplinary environment with an emphasis on teamwork and flexibility is a requirement. The ability to learn new test systems and successfully work with pathogenic bacteria and laboratory rodents is a necessity. A BS or MS degree in microbiology, pharmacology, or related field is required. Experience with anti-bacterial testing, animal handling, or surgery in laboratory rodents is preferred.

Senior/Principal Scientist - Molecular Biology/Molecular Genetics

This position will function in a multidisciplinary environment to lead the effort to identify antimicrobial drug targets. Successful candidates should have proven leadership ability and a practical understanding of antimicrobial drug discovery. Expertise in genomics and extensive hands-on experience in Gram-positive bacterial molecular genetics are highly desirable. A Ph.D. degree with more than 5 years post-degree experience is required. Drug discovery experience is preferred.

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AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

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

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

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

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

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

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

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

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

→ fellowships.aaas.org





**NEUROSCIENCE OPEN-RANK
TENURE-TRACK FACULTY APPOINTMENT**
**NORTHWESTERN UNIVERSITY
MEDICAL SCHOOL and
INSTITUTE FOR NEUROSCIENCE**

The Northwestern University Institute for Neuroscience (NUIN) announces a new search for a full-time faculty appointment at the Medical School, in downtown Chicago. Outstanding candidates employing innovative molecular neuroscience and signal transduction approaches are encouraged to apply. A recently renovated, large laboratory adjacent to many other neuroscience labs is available. The appointee will have access to shared facilities for tissue culture, cell imaging, transgenic and knockout projects, monoclonal antibodies, gene micro-arrays, structural biology, and biotechnology. The Ph.D. or M.D. appointee is expected to establish an independently funded research program and participate in graduate and medical school teaching.

This recruitment is part of a growing commitment to neuroscience at Northwestern University. Additional information about NUIN and the participating departments can be found on our Web pages (www.northwestern.edu/nuin and www.nums.nwu.edu).

Applicants must include the following materials: 1) current C.V. and list of publications, (2) brief statement of research interests (three pages or less), and (3) three letters of reference sent on their behalf to: **Enrico Mugnaini, M.D., Chair, Search Committee, Searle 5-474, 320 E. Superior Street, Chicago IL 60611-3010.**

Completed applications must be received by January 15, 2001. Appointment will commence on or after July 1, 2001.

Northwestern University is an affirmative action, equal opportunity employer. Hiring is contingent upon eligibility to work in the USA. Women and minorities are especially encouraged to apply.

Heads of Research (2 Positions Open)
**CLINICAL RESEARCH &
PHARMACEUTICAL DEVELOPMENT**

Non-profit New York City biomedical research center seeks:

(JOB #78/00) Head of Clinical Research Unit: will coordinate and execute clinical research projects including planning, implementing, milestone tracking and achievement, reporting, and filing for clinical development studies (Phases 1-3); coordinate with principal investigators of each project the design, conduct, and reporting of clinical trials; manage the monitoring and data management units; ensure that data and reports from clinical trials are accurate and timely and standards are maintained. Requires: MD in biomedical science, minimum 15 years' scientific experience including 2 years' pharmaceutical industry, and demonstrated success in clinical research project management.

(JOB #79/00) Head of Pharmaceutical Development Unit: provide leadership & guidance to formulation projects including planning, implementing, milestone tracking and achievement, reporting & filing for laboratory development of delivery systems to be used in clinical trials and to be registered for contraceptive use; supervise laboratory technicians, provide guidance for design and formulation of various prototypes of implants and transdermal systems according to Good Manufacturing Practice; ensure that data & reports from clinical trials are accurate, timely and standards are maintained. Requires: Ph.D. in pharmacology, pharmacy or related field; min. 15 years' scientific experience especially in formulations of implants and transdermal systems.

BOTH positions require: knowledge of FDA and ICH regulations; relevant publications record; strong English language skills (oral/written); management experience desirable. Send resume/cover letter, indicating appropriate JOB #, to: **Ms. Schweis, Division Administrator, Population Council, CBR, 1230 York Avenue, New York, NY 10021; Fax: 212-327-7678; E-mail: jobs@popcouncil.org**



**Complete job details:
www.popcouncil.org**
AA/EOE-MF



Saint Peter's College
PROFESSOR

**Saint Peter's College of New Jersey
The Jesuit College of New Jersey
Invites nominations and applications for**

**The Rev. Joseph E. Schuh, S.J., Endowed
Professorship in the Health and Natural Sciences.**

Saint Peter's College is a Catholic, Jesuit, liberal arts college located in Jersey City, NJ. It has an undergraduate enrollment of approximately 2,200 full-time students and 600 part-time students, and a graduate enrollment of more than 500 students. It offers undergraduate courses in both Day and Evening Sessions, graduate courses in the evening and on weekends, has a branch campus in Englewood Cliffs devoted primarily to adult learners, and offers courses at a variety of off-campus locations in the metropolitan area. The City of Jersey City is located less than 12 minutes by PATH train from New York City. Offering extensive cultural and recreational opportunities, Jersey City has attracted scores of businesses, particularly at the waterfront along the Hudson River, also known as the "Gold Coast."

The Rev. Joseph E. Schuh, S.J., Endowed Professorship in the Health and Natural Sciences was established through the generosity of a devoted alumnus of the College to honor Fr. Schuh, a revered faculty member, now deceased, in the Biology Department. Appointment to the Schuh Professorship will be effective with the Fall Term 2001.

The Schuh Professor will join the faculty of the Department of Biology, which has a long history of strong teaching and research, including research done collaboratively with its undergraduate students. The department is housed in Gannon Hall, which benefited this year from an eight-million dollar renovation.

The person selected for the Schuh Professorship will foster the Pre-Medical activities of the department and will have a major role in expanding and enhancing these activities so that the College's goal of offering programs of national reputation will be realized. The Schuh Professor will share in the department's teaching, research and service responsibilities, and will promote curricular development and collaboration in the Health and Nature Science programs. The Schuh Professor will also work with appropriate college offices as needed to promote Pre-Medical and other Health and Natural Science programs.

Candidates for this position should hold an appropriate doctorate in biomedical science, as well as a distinguished record of teaching and research in a health-related area of biology. Understanding of and commitment to the Catholic, Jesuit mission of the College is required. Initial appointment to this tenure track position at the rank of Professor will be for three years, dependent upon satisfactory performance.

Teaching responsibilities of six hours per semester will include health career related courses (such as Anatomy, Physiology and Genetics), and may include core courses such as General Biology as well. The Schuh Professor will be expected to participate in the departmental endeavor of engaging students in his/her research.

*All applications should include a cover letter, a resume, three letters of support, and other appropriate materials.
Applications should be addressed to:*

**Dr. Richard Petriello,
Chair of the Schuh Professor Search Committee,
c/o Human Resources Office,
Saint Peter's College,
39 Glenwood Avenue, Jersey City, New Jersey 07306.**

At the request of the applicant, confidentiality will be maintained in the initial stages of the search. Preference will be given to applications received by November 15, 2000, but the search will remain open until an appointment is made. Nominations and confidential inquiries may be addressed to Dr. Petriello at Petriello_r@spc.edu or at the above address.

Saint Peter's College is an Equal Opportunity/Affirmative Action Employer. It does not discriminate on the basis of sex, race, marital status, color, religion, age, national or ethnic origin, disability or veteran's status.

Applications Scientists

Axon Instruments, an established world leader in the design and manufacture of precision scientific instruments and software, seeks 2 qualified candidates to join our Marketing and Scientific Applications Department.

The Applications Scientists will support our growing product lines for electrophysiology, or imaging and microarray technologies; provide application solutions to the scientific community for our hardware and software products; troubleshoot complex technical problems; demonstrate products at scientific meetings; help develop new products; write and edit manuals, brochures, advertisements, and newsletters; and contribute to market research and product evaluation.

The ideal candidates will possess a Ph.D. in a biological discipline with a solid background in either electrophysiology or cellular imaging (experience with microarray technology is desirable). Excellent organizational & written/verbal communication skills, strong attention to detail, and the ability to multi-task in a team-oriented environment are essential. Approximately 20% travel is required.

Axon Instruments offers a technologically innovative atmosphere, opportunities for professional growth, a competitive salary and an attractive benefits package. Please mail, fax, or e-mail a cover letter and resume/CV to: **Axon Instruments, Inc., Human Resources, Attn: Job# S1027-AS, 1101 Chess Drive, Foster City, CA 94404 U.S.A.; FAX: (650) 571-9500; e-mail: jobs@axon.com. Principals only. EOE/AA**

Visit www.axon.com/MR_Jobs.html for more details and a list of other employment opportunities.



www.axon.com



Princeton University

TENURED FACULTY POSITION in the PROGRAM IN PLASMA PHYSICS

DEPARTMENT OF ASTROPHYSICAL SCIENCES

Princeton University seeks a distinguished senior plasma physicist for a full-time tenured faculty appointment in the Department of Astrophysical Sciences. Excellence in research and teaching is required. The primary criterion for selection will be demonstrated capability for original and outstanding research in theoretical plasma physics relevant to high-temperature fusion plasmas. The successful candidate should in addition possess sufficient breadth in scientific interests to be able to strengthen the intellectual ties between research at the Princeton Plasma Physics Laboratory and research carried out elsewhere within Princeton University.

Applicants should forward two (2) resumes, bibliography, research statement and other relevant material to:

Professor Ronald C. Davidson
Associate Chair, Department of Astrophysical Sciences
Program in Plasma Physics
P.O. Box 451, Princeton University
Princeton, NJ 08543-0541
rdavidson@princeton.edu

Women and minorities are encouraged to apply. Princeton University is an equal opportunity, affirmative action employer.

Faculty Position in

Computational Biology

Baylor College of Medicine has created a new interdepartmental center for biocomputing. As part of an expansion in genomic sciences and computational biology, the College has obtained support from the Howard Hughes Medical Institute's Biomedical Research Support Program for Medical Schools for the first phase in development of the center.

In support of the center, the College invites applications for one **junior tenure-track faculty position**. We are particularly interested in individuals using innovative computational methods to address fundamental problems in protein structure and folding and in structure/function relationships in biological macromolecules.

Appointment will be within both the center and a basic science department most appropriate to the candidate's interest. Generous start-up and salary packages are available.

Applicants should submit a curriculum vitae, description of research accomplishments, statement of planned independent research, and a list of references to Emily Hughes, Office of Research, Baylor College of Medicine, One Baylor Plaza, Room 600D, Houston, TX 77030.



Baylor College of Medicine

Baylor College of Medicine is an Equal Opportunity Equal Access Affirmative Action

MACC FUND PROFESSORSHIP IN ONCOLOGY RESEARCH

Department of Pediatrics Medical College of Wisconsin

The Department of Pediatrics at the Medical College of Wisconsin (MCW) is seeking a tenure-track, Associate Professor/Professor (MD, PhD, MD/PhD) to lead a new, expanded initiative in pediatric oncology. Candidates must have a strong track record of scientific accomplishment; an established, well-funded, peer-reviewed research program in basic oncology; and demonstrable scientific leadership. Nationally recognized candidates with expertise in cancer genetics, molecular oncogenesis, and genetic interventions are encouraged to apply.

The MACC Fund (Midwest Athletes Against Childhood Cancer) has endowed this new Professorship that will provide research leadership and program development in new areas of basic investigation in tumor biology/oncogenesis and/or molecular oncology. In addition to the Professorship, a highly competitive, developmental package is being provided from the MACC Fund, MCW, the Department of Pediatrics, and Children's Hospital of Wisconsin to further enhance and expand our research program under the candidate's direction. Opportunities exist for extensive interactions with the MCW Genetics Center, the MCW Cancer Center, The Blood Center of Southeastern Wisconsin, the Biophysics Institute, and the basic science departments of MCW. This is part of a broader program development in cancer and genetics within the Medical College of Wisconsin.

Qualified individuals should send their CV with a cover letter describing their qualifications, current funding, and research vision by January 15th to:

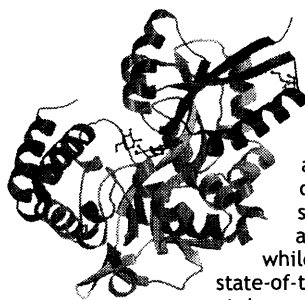


**MEDICAL
COLLEGE
OF WISCONSIN**

Robert R Montgomery, MD
Chair, MACC Fund Professorship Search Committee
MACC Fund Research Center
8701 Watertown Plank Road • Milwaukee, WI 53226
Fax: 414-456-6613 • Ph: 414-456-4311
E-mail: bob@bcsew.edu
EOE M/F/D/V

POSTDOCTORAL FELLOWSHIP

Antibioterrorism Research (X-ray Crystallography)



A postdoctoral position is available for a recent PhD to participate in structural studies of virulence mechanisms in potential agents of bioterrorism, including plague, anthrax and smallpox. The ideal candidate already possesses strong X-ray crystallography skills and wants to maintain this focus while also gaining experience with state-of-the-art methods for recombinant protein expression and purification. This is an outstanding opportunity for a highly motivated person to capitalize on the superior technical resources available to affiliates of the Program in Structural Biology at the NCI, including regular access to synchrotron radiation, and to establish a foothold for him- or herself in the rapidly growing field of anti-bioterrorism research. More information about the research activities of the Protein Engineering Section can be found at the Web sites nmrweb.ncifcrf.gov/PSB/waugh.html and www.ncifcrf.gov/plague. The salary range for this position is \$29,000-\$36,000. Cover letter and curriculum vitae may be faxed to 301-846-7148; e-mailed to waughd@ncifcrf.gov; or mailed to:



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

NATIONAL
CANCER
INSTITUTE

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PHARMACIA

Though our merger is based on hard science, we're CREATING SPECIAL EFFECTS.

Changing the big picture of the pharma industry, the merger of industry leaders Monsanto and Pharmacia & Upjohn has resulted in the formation of a new first-tier organization known as Pharmacia Corporation. Uniting the ambitions and talents of 60,000 professionals under our \$17 billion company with an R&D pipeline of exceptional strength and depth allows us to have a positive effect upon countless lives. With breakthrough drugs including Zyvox®, the first of a new class of antibiotic, and Celebrex® to treat arthritis, we feel that our work is truly special. Discover the unique effect your skills can have by joining our team in **St. Louis, Missouri** as:

MAMMALIAN CELL BIOLOGISTS Ph.D. Level

The successful candidates will join our Functional Genomics Group which is responsible for identifying and defining the function of genes associated with disease processes of interest. Gain-of-function and loss-of-function phenotypes will be probed using molecular genetic and molecular pharmacological approaches in appropriate cell-based and organismal models. Close interaction with teams using correlative approaches, e.g., transcript and protein profiling and pathway mapping, will be essential. The focus of the Cell Biologists will be in developing, optimizing, and applying cell-based model systems that accurately reflect the *in vivo* state. Cells of interest include neural cells, cardiomyocytes, chondrocytes, osteocytes, hepatocytes, and cells of the hematopoietic lineage.

Requirements include a Ph.D. in Cell Biology or related field combined with 2+ years of postdoctoral experience; hands-on experience in the development of cell-based or organismal models for analysis of disease; fluency with modern cellular and molecular biology methods; and significant experience with one or more of the cell types listed, *in vitro* differentiation of mammalian cells, gene targeting, embryonic or adult stem cells, or generation of knockout mice. Current knowledge of genomics approaches is desired. Strong communication, computer, and team-based skills are a must.

We offer everything you could want in a career: outstanding compensation, excellent benefits and the realization that you've reached the height of the industry. For immediate consideration submit your resume to: **Pharmacia Corporation, 700 Chesterfield Parkway North, BB4D, Job # 00-1484, Chesterfield, MO 63198.** EEO/AA Employer M/F/D/V

PHARMACIA

www.pharmacia.com

Opportunities

Children's
Hospital
Medical
Center
Cincinnati

Developmental Biology Assistant/Associate/Full Professor

The Developmental Biology Division of the Cincinnati Children's Hospital Research Foundation is continuing its expansion. Following the success of last year's search and hiring of three new faculty, Dr. Christopher Wylie is anticipating that at least five additional tenured or tenure track faculty positions will be filled over the next four years. Applicants at all levels will be considered. Organogenesis, stem cell differentiation, and pattern formation are major interests, but innovative, high quality research in any aspect of vertebrate and/or invertebrate developmental biology will be the prime consideration. Attractions include outstanding start up packages, new research facilities, an excellent graduate program and modest teaching responsibilities. This search will continue until all positions have been filled.

Please provide curriculum vitae, names and addresses of three references, and a description of research interests to:

Dr. Janet Heasman, Chair, Search Committee
Division of Developmental Biology
Children's Hospital Research Foundation
TCHRF 3014 • 3333 Burnet Avenue
Cincinnati, OH 45229

Children's Hospital Medical Center is an Affirmative Action/Equal Opportunity Institution. Women and minorities are encouraged to apply.



**St. Jude Children's
Research Hospital**

ALBAC • Danny Thomas, Founder

POSTDOCTORAL POSITION in SIGNAL TRANSDUCTION

A newly funded position is available immediately to study mechanisms of mammalian checkpoint control in response to various DNA damaging agents. Current projects available will focus on pathways regulated by the ATM and ATR protein kinases. (See Canman *et al.* Science **282**: 1677-1679, 1998; Kim *et al.*, J. Biol. Chem. **274**: 37538-37543, 1999; and Ahn *et al.*, Cancer Res. *In press*-Nov 1, 2000 issue). St. Jude Children's Research Hospital offers state-of-the-art research facilities and supports over 170 postdoctoral research associates among its basic science research laboratories. Candidates should possess a Ph.D. and/or M.D. and a strong background in molecular cell biology. Interested individuals should submit a cover letter describing research interests, a curriculum vitae, and arrange to have three letters of reference sent to:

Christine Canman, Ph.D.
Department of Hematology/Oncology
St. Jude Children's Research Hospital
332 N. Lauderdale Street - DTRT 1034
Memphis, TN 38105
Email: christine.canman@stjude.org

www.stjude.org
Equal Opportunity Employer

POSTDOCTORAL RESEARCH ASSOCIATE

**Simultaneous Laser Scanning Imaging and Electrophysiology Core
Mental Retardation Research Center, University of Alabama at
Birmingham**
Neurotrophins and Dendritic Ca^{2+} Signals

The newly established Mental Retardation Research Center (MRRC) at the University of Alabama at Birmingham (UAB) funded by the National Institute of Human and Child Development invites applications for a Core Manager position at the Postdoctoral Research Associate level at a competitive salary. The position has potential to grow to a research-track Assistant Professor appointment. The objective of the Simultaneous Laser Scanning Imaging and Electrophysiology Core is to provide state-of-the-art equipment and technical support to perform simultaneous electrophysiology and live imaging in brain slices for several experimental projects related to mental retardation. To fulfill this aim we are looking for an outstanding individual who has at least 2 years of postdoctoral experience applying electrophysiological and/or live imaging techniques to neuronal and/or glial preparations. The Core is equipped with a fully dedicated patch-clamp microscope suited for conventional confocal microscopy, and will soon be upgraded with a pulsed femtosecond laser to perform two-photon laser scanning microscopy. The successful candidate will work as the Core Manager supervising new state-of-the-art equipment, as well as training and working in collaboration with several neuroscientists that are part of the UAB MRRC. The Core Manager is also expected to develop his/her own research plan on the modulation of dendritic Ca^{2+} signals in hippocampal neurons by neurotrophic factors in the laboratory of Dr. Pozzo-Miller. The Core Manager will interact synergistically with the MRRC Recombinant Technology Core Managers for live imaging of genetically transfected neurons or glial cells in brain slice preparations.

Further information and inquiries can be e-mailed to: pozomiller@nrc.uab.edu. Interested individuals should send a cover letter describing research experience, CV, and have three letters of recommendation sent to:

Lucas Pozzo-Miller, Ph.D.
University of Alabama at Birmingham
Department of Neurobiology
1530 3rd Ave So, CIRC-429
Birmingham, AL 35294-0021

UAB is an Affirmative Action/Equal Opportunity Employer



MOUNT SINAI
SCHOOL OF
MEDICINE

POSTDOCTORAL FELLOW POSITION

Position available in Dr. Robakis' laboratory to study the cell biology and function of Presenilins and their interactions with the Cadherin family of proteins [e.g. Georgakopoulos *et al.*, Mol. Cell **4** 893 (1999)]. Presenilins play important roles in the development of Alzheimer's neurodegeneration. Experience in molecular biology and/or biochemistry is required. Send C.V. and the names of three references to: Katarzyna Brocka, Department of Psychiatry and Fishberg Research Center for Neurobiology, Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029-6574. Email: katarzyna.brocka@mssm.edu. EOE.

Research Biologist

**In Vitro Drug Metabolism
and Toxicology**

Tissue Transformation Technologies (T-Cubed), located in Edison, NJ, seeks a Research Biologist to conduct drug metabolism and toxicology studies with human hepatocytes and other human in vitro models produced and characterized in our facility. Masters degree or Ph.D. in biology, pharmacology or chemistry, with at least three yrs relevant experience, particularly in development, validation and performance of HPLC-based assays of cytochrome P450 and other drug-metabolizing enzymes. Candidates must be able to demonstrate the ability to develop, validate and perform HPLC-based enzyme assays. Experience in PCR, RT-PCR, gene cloning, gene and protein expression analysis, and immunochemical methods such as quantitative Western analysis would be desirable. Competitive salary and generous benefits. Visit www.tcubedinc.com and send your resume, a cover letter, salary history and three references to info@tcubedinc.com, mail to:

**Tissue Transformation
Technologies**
HR Dept., 125 May St., Ste 300
Edison, NJ 08837
fax (732) 661-2297

Equal Opportunity Employer

Position in Systems Neuroscience Center for Neuroscience University of California, Davis

The Center for Neuroscience and the Section of Neurobiology, Physiology and Behavior, in the Div. of Biological Sciences, University of California, Davis, invite applications for a Systems Neuroscientist at the assistant, associate or full professor level to begin July 1, 2001. Specialization within the areas of vision, auditory, sensory, single cell, or related neuroscience is open. We are particularly interested in faculty who can work in conjunction with the Calif. Regional Primate Research Center, located at UC Davis. Applicants will be expected to demonstrate leadership in their research specialty, obtain extramural funds, and teach systems neuroscience courses at both graduate and undergraduate levels. Candidates must possess a Ph.D. or M.D. degree.

Applicants should send a letter describing research and teaching interests, a curriculum vitae, copies of representative publications, and the names of at least five persons from whom references will be obtained to: **Edward G. Jones, Director, Center for Neuroscience, 1544 Newton Court, University of California, Davis, CA 95616-8659**. All materials must be received by January 31, 2001, to be assured consideration. The search will continue until this position is filled. *The University of California is an affirmative action/equal opportunity employer.*

Center for Neuroscience
University of California, Davis



UNCF • MERCK SCIENCE INITIATIVE

"A mind is a terrible thing to twist"



UNDERGRADUATE SCIENCE RESEARCH SCHOLARSHIP AWARDS

- 15 Awards Annually
- Scholarships up to \$25,000
- Two Summer Internships at a Merck Research Facility

An applicant must:

- Be a full-time student at any four-year college or university
- Have junior year academic status
- Major in a life or physical science (first professional degrees excluded)
- Have a minimum cumulative GPA of 3.3 (4.0 point scale)

GRADUATE SCIENCE RESEARCH DISSERTATION FELLOWSHIPS

- 12 Fellowships Annually
- Fellowship Stipends up to \$30,000
- Department Grants of \$10,000
- Support for 12-24 Months

An applicant must:

- Be enrolled full-time in a Ph.D. or equivalent doctoral program in a biomedical life or physical science
- Be engaged in and within 1-3 years of completing dissertation research, having completed all qualifying exams

POSTDOCTORAL SCIENCE RESEARCH FELLOWSHIPS

- 10 Fellowships Annually
- Fellowship Stipends up to \$55,000
- Department Grants of \$15,000
- Support for 12-24 Months

An applicant must:

- Hold a Ph.D. or equivalent degree in a biomedical life or physical science
- Be appointed as a postdoctoral fellow during the 2001 calendar year at an academic or non-academic research institution (private industrial laboratories are excluded)

Applicants must be African American (Black, non-Hispanic), U.S. citizens or permanent residents and attend an institution in the U.S.A. Applications must be postmarked by January 31, 2001

For application forms and more information, please contact your department chairperson or Jerry L. Bryant, Ph.D., by mail at the United Negro College Fund, 8260 Willow Oaks Corporate Drive, P.O. Box 10444, Fairfax, VA 22031, by fax (703) 205-3574, or by E-mail: uncfmerck@uncf.org

Visit our web site: www.uncf.org



Postdoctoral and Technical Positions Available

Dr. Julie Segre at the National Human Genome Research Institute/NIH is recruiting a postdoctoral fellow and a senior research technician to join her lab. The research focuses on skin biology, specifically: 1.) The molecular (pharmacological and genetic) mechanism to establish a barrier between the body and the environment (Segre et al. *Nature Genetics*, 1999, Aug; 22(4): 356-60); and 2.) The transcriptional mechanism of stem cell differentiation (Fuchs and Segre, *CELL* 2000, Jan 7; 100(1):143-55). If interested, please contact **Dr. Julie Segre, Epithelial Biology Section, Genetics and Molecular Biology Branch, Bldg. 49, Room 3A20, MSC 4442, National Human Genome Research Institute, 49 Convent Dr. Bethesda, MD 20892-4442** or e-mail: jsegre@nhgri.nih.gov. *NIH is an Equal Opportunity Employer.*



Bioinformatics

The National Cancer Center Institute (NCI), National Institutes of Health, is seeking applications for Initiative Leaders within its newly formed Center for Bioinformatics at its locations in Rockville and Gaithersburg, Maryland.

In order to capitalize on extraordinary opportunities brought about by developments in knowledge and technology, the NCI has launched an extensive series of programmatic initiatives. These include the Cancer Genome Anatomy Project (CGAP), the Mouse Model of Human Cancer Consortium (MMHCC), the NCI Director's Challenge (NCIDC), and Clinical Trials. These initiatives serve as nucleation points for the larger collection of investigator-initiated cancer research efforts. To meet the informatics needs of these activities and to provide integration across these efforts the NCI has established the Center for Bioinformatics (NCICB).

Each initiative will receive bioinformatics support through a Core Module. These modules are proposed to link individual participants within each initiative and to serve as gateways to the cancer research community. Initiative Modules have two major functions. The first is to provide a platform and tools that facilitate the exchange of information between these dispersed research efforts and the broader community. Of equal importance is the development of infrastructure to integrate information among the Initiatives.

The NCICB is seeking individuals to serve as leaders in developing bioinformatics infrastructure and applications to support the MMHCC and NCIDC Initiatives. A successful candidate will have experience in supervising software development teams as well as coordinating team efforts as part of a larger project. Experience with use of formal design methodologies, such as the Rational Unified Process, is desirable. A candidate must have experience with application development in a UNIX environment. Experience is also required in development and support of WWW-based applications in a Java and/or PERL-based WWW environment. Experience in developing applications utilizing commercial SQL-based RDBMS is preferred. Domain knowledge in either microarray-based experiment data analysis, genomics, or mouse models of disease is preferred. Interested applicants should submit a resume and cover letter to: **Dr. Kenneth Buetow, c/o Patrick Miller, 41 Library Drive, Room A101, MSC 5055, Bethesda, Maryland 20892.**

NIH is an equal opportunity employer.

POSITIONS OPEN

ASSISTANT OR ASSOCIATE PROFESSOR MOLECULAR BIOLOGY McMaster University

McMaster University, a research-intensive institution and leading centre for biological and biomedical research, invites applications for a tenure-track position at the Assistant or Associate Professor level in the Department of Biology effective January 1 or July 1, 2001.

Candidates must hold a Ph.D. in biology or a related field, possess at least one year of postdoctoral experience, and have a productive research record. We are seeking applications from Molecular Biologists who could interact with the strong group in environmental biology and physiology at McMaster. We particularly encourage applications from individuals working on the molecular biology of fish (e.g., zebra fish) and/or invertebrate model systems (e.g., *Daphnia*) and those who are interested in applying molecular approaches to basic problems in the physiology, environmental biology, and toxicology of aquatic organisms. The successful applicant will be expected to establish and maintain an independent and externally funded research program and to contribute to the education of undergraduate and graduate students.

Applicants should submit curriculum vitae, a statement of their research goals, a statement of their teaching interests and experience, three of their most important publications, and should arrange for three letters of recommendation to be sent to: **Dr. Turlough Finan, Professor and Chair, Department of Biology, McMaster University, 1280 Main Street West, Hamilton, Ontario L8S 4K1 Canada. Web-site: <http://www.science.mcmaster.ca/Biology/Dept.html>.** The closing date for applications is December 8, 2000. Please refer to the environmental Biology-Physiology position in your application.

In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. McMaster University is committed to Employment Equity and encourages applications from qualified candidates, including, members of visible minorities, aboriginal peoples, persons with disabilities, and women.

INVERTEBRATE ZOOLOGY DEPARTMENT OF BIOLOGY AND GEOLOGY Baldwin-Wallace College

Applications are being accepted for a full-time, tenure-track **ASSISTANT PROFESSOR** position in invertebrate zoology beginning August 2001. The position includes teaching the following undergraduate biology courses: invertebrate zoology, general zoology, and principles of biology II, which is the portion of our freshman biology sequence that covers ecology and evolution. The Department seeks to attract a culturally active and academically diverse faculty of the highest caliber, skilled in the scholarship of teaching, research, and the application and integration of knowledge. Excellence in teaching, academic advising, and the ability to direct undergraduate research are essential. Successful candidates must have a Ph.D., communicate well, and complete an interview, a teaching presentation, and a research presentation. An important attribute of Baldwin-Wallace faculty is the ability to work cooperatively with colleagues on departmental and college committees. Baldwin-Wallace is a liberal arts-oriented college located in a suburb of Cleveland, Ohio. For additional information, see **website: www.bw.edu**. Please send a letter of application stating teaching experience and research interest, curriculum vitae, and three letters of recommendation to: **Dr. Stephen D. Hilliard, Chairperson, Department of Biology and Geology, Baldwin-Wallace College, 275 Eastland Road, Berea, OH 44017-2088.** E-mail inquiries may be directed to: **shilliard@bw.edu**. Applications will be reviewed beginning November 15, 2000. *The College has a strong commitment to enrich its academic environment by achieving diversity among faculty and staff. We are particularly interested in receiving applications from members of underrepresented groups and strongly encourage women and persons of color to apply for this position.*

POSITIONS OPEN



The Department of Chemical Engineering at North Carolina State University invites applications for a special opening for a tenure-track **ASSISTANT or ASSOCIATE PROFESSOR**. The successful candidate will be expected to establish a research program of international reputation, teach undergraduate and graduate courses in chemical engineering with skill and enthusiasm, and contribute to the overall functioning of the Department. Our faculty pride themselves in striking a successful balance among enthusiastic and creative scholarship, high standards of classroom pedagogy, and a warm and collegial environment. We invite candidates from all relevant disciplines and particularly those with research expertise in areas that will complement the strengths of the present research focus in the National Science Foundation Science and Technology Center for Environmentally Responsible Solvents and Processes. Faculty from NC State, UNC-Chapel Hill, University of Texas at Austin, and North Carolina A&T collaborate in the multidisciplinary research programs of the Center, which is externally funded at \$18 million over the next five years, with the potential for an additional five-year renewal. For additional information on the Center activities, please go to our **website: (www.nsfstc.unc.edu)**. Qualified candidates should send their curriculum vitae, a list of three professional references, and statements of research and teaching objectives to: **Professor George W. Roberts, Chairman of the Chemical Engineering Search Committee, Campus Box 7905, Raleigh, NC 27695-7905.** NC State University is an Equal Employment Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR/CHEMISTRY Department of Chemistry and Physics Southeastern Louisiana University

Southeastern Louisiana University has experienced rapid growth in the past decade. The Department of Chemistry and Physics at Southeastern Louisiana University invites applications for tenure-track appointments in each of the following areas: analytical chemistry, biochemistry, organic chemistry, and physical chemistry. Applicants should have an undergraduate degree and a Doctorate in chemistry or a related field, have a strong commitment to undergraduate teaching at all levels, and be prepared to develop a research program involving undergraduate students. The University, in collaboration with the Department of Chemistry and Physics, will soon establish a Master of Applied Sciences degree program. Qualified applicants are welcomed at the rank of tenure-track Assistant or Associate Professor. Applicants must be committed to working with diversity. Salary is commensurate with experience and qualifications. Applications will be reviewed until the search is completed. Applicant must submit for review the following items: (1) letter of application; (2) completed curriculum vitae, including a list of all publications; (3) copies of all undergraduate and graduate transcripts (official transcripts will be required of all finalists); (4) three current letters of recommendation; (5) a brief statement of teaching experience and philosophy; and (6) a brief statement of research interests and copies of all transcripts to: **Dr. Linda Munchausen, Southeastern Louisiana University 10878, Hammond, LA 70402.** Information about the Department of Chemistry and Physics can be found at **website: www.chem.selu.edu**. SLU is an Affirmative Action/Americans with Disabilities Act/Equal Employment Opportunity Employer.

POSITIONS OPEN

FACULTY POSITION IN COMPARATIVE MEDICINE VETERINARY CLINICIAN Department of Comparative Medicine Stanford University School of Medicine

The Department of Comparative Medicine has a faculty position available for an academically oriented Clinician with expertise in anesthesia and perioperative care, surgical models, murine colony health monitoring and maintenance, targeted mutagenesis models, or other specialized aspects of laboratory animal care and use. The appointment will be at the level of **ASSISTANT or ASSOCIATE PROFESSOR** of Comparative Medicine commensurate with the experience of the applicant. Candidates must have received the D.V.M. or V.M.D. degree from an institution accredited by the American Veterinary Medical Association. Preference will be given to candidates with Board certification in laboratory animal medicine, anesthesiology, internal medicine, surgery, or other veterinary specialty relevant to laboratory animal care. Advanced academic training as evidenced by an M.S. or Ph.D. degree is desirable. Applicants should have a strong interest in clinical medicine and demonstrable experience in collaborative research as evidenced by publications in peer-reviewed journals. Experience in teaching and in supervising veterinary technicians is highly desirable. The Department of Comparative Medicine is a clinical department within the School of Medicine. In addition to its academic functions, it also provides the clinical care and management for a large, modern, AAALAC-accredited central animal facility, which includes a critical care unit staffed by veterinary technicians. Collaborative research opportunities at Stanford include organ transplantation, immunology, genetics, infectious diseases, molecular biology, non-invasive nuclear and magnetic imaging, canine inherited diseases, anesthesia, primate behavior, and transgenic mouse studies among others. The predominant criterion for appointment in the Medical Center line is a major commitment to clinical teaching and clinical care with appropriate scholarly contributions in the field. Interested candidates should send a letter containing a description of their career goals and research interests, their curriculum vitae, and names and addresses of five references to: **Linda C. Cork, D.V.M., Ph.D., Professor and Chair, Department of Comparative Medicine, 251 Campus Drive, MSOB X347, Stanford, CA 94305-5415.** Applications will be reviewed upon receipt and searches will be continued until all positions have been filled. *Stanford University is committed to increasing representation of women and members of minority groups on its faculty and particularly encourages applications from such candidates.*

Search reopened. Xavier University of Louisiana, a Catholic, historically black university, seeks an **ENVIRONMENTAL SCIENTIST** for a newly created tenure-track faculty position in the Biology Department. Position provides guaranteed research support and three-quarters release from teaching, both for an initial period of three years, with funding provided by a grant from the National Institute of Environmental Health Sciences. A starting date of June 1, 2001, is anticipated. Doctorate in the biological sciences, at least two years of postdoctoral experience, and a suitable record of research productivity required. Successful candidate will be expected to develop an externally funded research program of direct relevance to environmental health concerns. Limited academic advising. Preference given to candidates who can contribute to the Department's teaching mission in the areas of neuroscience, endocrinology, plant physiology, or molecular/cellular biology. Ability to work collegially in a department primarily dedicated to undergraduate teaching and to the involvement of undergraduates in research is essential. Send curriculum vitae, a description of research and teaching interests, and the names of three references to: **Dr. Shubha K. Ireland, Chair, Search Committee, Department of Biology, Xavier University, New Orleans, LA 70125.** Review of applications will begin January 1, 2001, and will continue until the position is filled. *Xavier University is an Equal Opportunity/Affirmative Action Employer.*

Postdoctoral Fellowship

A postdoctoral position is available for someone interested in using X-ray crystallography to study the structure/activity of biological macromolecules important for growth and cell cycle regulation (See, for example, *FEBS Lett.* 1999 **445**:425-430 and *Proc. Natl. Acad. Sci. USA* 1999 **96**:8396-8401). The program in Structural Biology of the National Cancer Institute has state-of-the-art facilities and personnel. We also have regular access to synchrotron light sources. Candidates should be experienced in X-ray crystallography. Knowledge and experience with molecular biology and/or protein chemistry would also be beneficial.

The position is part of the Division of Basic Sciences of the National Cancer Institute and is located at the Frederick Cancer Research and Development Center in Frederick, Maryland. The National Institutes of Health is an equal opportunity employer and encourages all qualified women and minorities to apply. Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, marital status, physical or mental disability, age, sexual orientation or membership or non-membership in an employee organization. Salary range for this position is \$31,500-\$34,760.

Interested candidates should submit a CV and the names of three references to:

Xinhua Ji, Ph.D.
Macromolecular Crystallography Laboratory
Program in Structural Biology
Building 539, Room 124
NCI-FCRDC
Frederick, MD 21702

Your CV and names of three references may also be faxed to (301) 846-6073 or e-mailed to jix@ncifcrf.gov.

nature biotechnology

seeks an ASSISTANT EDITOR

This is a full-time position within an established editorial team based in New York City.

Applicants should have a strong research background in either commercial or academic research, a keen critical and analytical sensibility, excellent writing and editing skills, and an appreciation of the history and evolution of molecular biology into biotechnology. As the journal publishes across a number of disciplines, candidates must show a willingness and demonstrated ability to learn new fields.

We offer a competitive salary and excellent working conditions within a dynamic editing and publishing group that is also responsible for *Nature*, *Nature Cell Biology*, *Nature Genetics*, *Nature Immunology*, *Nature Medicine*, *Nature Structural Biology*, and *Nature Neuroscience*.

Please submit a CV (with names of three references), a concise letter outlining your credentials and suitability for the position, and a 500-word News & Views style article on a recent exciting and newsworthy development in any area of biotechnology to:

The Editor, *Nature Biotechnology*, 345 Park Avenue South,
New York, NY 10010-1707 (Fax: 212 696 6935;
e-mail: biotech@natureny.com) to arrive as soon as possible
and **no later than 6th November 2000**.



neurocrine
BIOSCIENCES

Postdoctoral Positions

Neurocrine Biosciences, Inc., is a leading biopharmaceutical company focused on the discovery and development of novel therapeutics to treat diseases and disorders of the central nervous system (CNS) and immune system. Neurocrine is located in the heart of biotechnology in San Diego and has close collaborations with UCSD and the Salk Institute. We have three Postdoctoral Fellow positions available in the Pharmacology, Neuroscience, and Molecular Biology departments. Successful candidates must possess a Ph.D., be able to work within a multidisciplinary environment and interact with key scientists from medicinal chemistry to in vivo biology. Excellent verbal and written communication skills are required and a strong publication record is desired.

Pharmacology

Join our growing team of scientists studying the Corticotropin-releasing factor (CRF) system and the effects of selective receptor antagonists. The group's major effort is in the identification of novel non-peptide receptor antagonists both for use as therapeutics in a wide variety of stress-related disorders as well as in the generation of unique tools with which to further probe this complex system. Successful candidates should possess a Ph.D. in Pharmacology, Neuroscience or Biochemistry and have a solid background in the function and regulation of G-protein coupled receptors.

Neuroscience

Conduct research into the function of excitatory amino acid transporters (EAATs) in relation to motor-neuron survival under pathological conditions in vitro. Neurocrine has an ongoing drug discovery program for the development of novel therapeutics which modulate glutamate transport by targeting EAATs, aimed at the treatment of amyotrophic lateral sclerosis (ALS) and other neurodegenerative conditions. The successful candidate will possess a Ph.D. in a Neuroscience-related area, as well as experience in molecular/cellular biology and in primary neuronal organotypic culture techniques.

Molecular Biology

Study novel G-protein coupled receptors in the CNS. The focus of this effort will be to characterize G-protein coupled receptors and their role in neurological diseases, with the goal of developing these receptors as future drug targets. Knowledge of molecular biology, biochemistry and pharmacology of G-protein coupled receptors is essential.

Qualified candidates should send their curriculum vitae, a short letter of specific research interests and accomplishments, and names/contact numbers of at least three references to: **Neurocrine Biosciences Inc., Attn: Human Resources, 10555 Science Center Dr., San Diego, CA 92121; Fax: (858) 623-3397; E-mail: hr@neurocrine.com** EOE.

For more information on these and other positions, please visit: **www.neurocrine.com**

- Program Manager, Development
- Clinical Project Manager and Clinical Research Associates
- Scientist, Analytical Chemistry
- Manager, Clinical Trials Manufacturing

POSITIONS OPEN

ASSISTANT PROFESSORSHIPS Department of Biological Sciences Idaho State University

We ([website: www.isu.edu/departments/bios](http://www.isu.edu/departments/bios)) invite applications for two tenure-track positions. Candidates must possess a Doctorate, a commitment to undergraduate and graduate education, and a strong record of research accomplishment.

(1) Plant Physiological Ecologist: Undergraduate and graduate teaching responsibilities include physiological ecology, plant ecology, and field ecology. Candidates will contribute to the University's Center for Ecological Research and Education. Expertise in plant community ecology or biometry is desirable. Review of applications will begin December 15, 2000.

(2) Microbial Physiologist: Teaching responsibilities include undergraduate (microbial physiology and general microbiology) and graduate courses. In addition to potential research collaborations within the Department, opportunities exist in the Colleges of Pharmacy and Health-Related Professions and the nearby Idaho National Engineering and Environmental Laboratory (INEEL). Review of applications will begin January 16, 2001.

To apply, send curriculum vitae, statement of research and teaching interests, three letters of reference, and contact information for three additional references to either: (1) Nancy Huntly, PPE Search or (2) Gene Scalarone, MP Search, Department of Biological Sciences, Idaho State University, Pocatello, ID U.S.A. 83209-8007. Idaho State University is an Equal Opportunity Employer.

DEVELOPMENTAL BIOLOGIST

The Department of Biology at the University of South Florida (USF) announces a tenure-track position at the **ASSOCIATE PROFESSOR** level beginning August 2001. Research interests should be in the general area of developmental biology utilizing cellular, molecular, and/or genetic approaches. We especially encourage applicants whose interests complement departmental strengths in marine, conservation, or cellular/molecular biology. Collaborative opportunities also exist within the College of Marine Sciences, USF Health Sciences Center, and the Moffitt Cancer Center. Candidates must have a Ph.D. in one of the biological sciences and a strong record of both externally funded research and publications. The successful candidate will be expected to continue an active, externally funded research program and teach undergraduate and graduate courses in their area of specialization. Send curriculum vitae, reprints of three published papers, statements of research and teaching interests, and three letters of reference to: **Developmental Biology Search Committee, Department of Biology, University of South Florida, 4202 East Fowler Avenue, SCA 110, Tampa, FL 33620-5200**. Applications must be complete by November 24, 2000. For disability accommodations, please **Telephone: 813-974-3250**. According to Florida law, applications and meetings regarding them are open to the public. University of South Florida is an Equal Opportunity/Affirmative Action/Equal Access Institution.

BIOLOGY: Catawba College seeks candidates for a tenure-track appointment at the rank of **ASSISTANT PROFESSOR** starting August 2001. Ph.D. degree and commitment to high-quality undergraduate teaching are required. Responsibilities include participation in a two-semester lecture/laboratory sequence in human anatomy and physiology, a lecture/laboratory course in comparative vertebrate anatomy, and undergraduate research. The successful candidate will also develop other courses that may include but are not limited to developmental biology, animal behavior, immunology, vertebrate zoology, or evolution. Send a letter of application; curriculum vitae; unofficial transcripts; and names, telephone numbers, or e-mail addresses of three references to: **Dr. Steve Coggin, Department of Biology, Catawba College, Salisbury, NC 28144**. Closing date is November 15, 2000. Catawba College discriminates solely on the basis of objective qualifications and demonstrated merit.

POSITIONS OPEN

TWO TENURE-TRACK POSITIONS DEPARTMENT OF BIOCHEMISTRY University of Saskatchewan

PLANT BIOCHEMIST: Applicants are invited for a tenure-track appointment at the level of **ASSISTANT** or **ASSOCIATE PROFESSOR** in the Department of Biochemistry, College of Medicine ([website: www.usask.ca/medicine/biochem/](http://www.usask.ca/medicine/biochem/)). Applicants should have a Ph.D. with a strong research interest in aspects of plant biochemistry and plant biotechnology. Duties will include participation in both the biochemistry and biotechnology programs and teaching at the undergraduate and graduate levels of biochemistry.

BIOCHEMIST: Applications are invited for a tenure-track appointment at the level of **ASSISTANT PROFESSOR** in the Department of Biochemistry, College of Medicine. Applicants should have a Ph.D. with a strong research interest in any field of biochemistry. Duties will include teaching at the undergraduate and graduate levels of biochemistry. The existence of new facilities, the Canadian Light Source ([website: www.cls.usask.ca/](http://www.cls.usask.ca/)) and the Saskatchewan Structural Sciences Centre (www.usask.ca/sssc/) will provide appointees with access to state-of-the-art equipment. The successful applicants are expected to have a strong research program and to obtain research funding from national granting agencies.

The closing date for receipt of applications is December 15, 2000, and the anticipated date of appointment is July 1, 2001. An application, including curriculum vitae; names, addresses, and e-mail addresses of three references; and a statement of previous teaching experience and research interests, should be sent to: **Dr. L. T. J. Delbaere, Head, Department of Biochemistry, College of Medicine, University of Saskatchewan, 107 Wiggins Road, Saskatoon, SK S7N 5E5 Canada. Telephone: 306-966-4360; FAX: 306-966-4390; e-mail: louis.delbaere@usask.ca.** This position has been cleared for advertising at the two-tier level. Applications are invited from qualified individuals regardless of their immigration status in Canada. The University of Saskatchewan is committed to Employment Equity. Members of designated groups (women, aboriginal people, people with disabilities, and visible minorities) are encouraged to self-identify on their applications.

NEUROBIOLOGY Carnegie Mellon University

The Department of Biological Sciences at Carnegie Mellon University seeks to fill one of three **TENURE-TRACK FACULTY POSITIONS** as part of an expansion in the area of neurobiology in collaboration with the Center for the Neural Basis of Cognition (CNBC). The successful candidate will be expected to develop an independent research program and participate in the teaching of undergraduate and graduate students. Preference will be given to candidates who use interdisciplinary approaches, including molecular or genetic methods, to study questions related to neuronal function, plasticity, learning, memory, or other areas of cognitive/functional neuroscience in either invertebrate or vertebrate systems. The successful candidate will benefit from the strengths of the CNBC in neurophysiology, functional imaging, behavioral analysis, and computational modeling of the neural basis of cognition; from existing strengths of the Department of Biological Sciences in cellular and developmental biology, genetics/molecular biology, and light optical and NMR-based biological imaging; and from the full breadth of the neuroscience community at Carnegie Mellon and the University of Pittsburgh. Applicants must have a Ph.D. and relevant postdoctoral experience. Please send curriculum vitae and a description of the proposed research program and have three letters of recommendation sent to: **Neurobiology Search Committee, Department of Biological Sciences, Carnegie Mellon University, Box L, 4400 Fifth Avenue, Pittsburgh, PA 15213**. Review of applications will begin on December 1, 2000.

Carnegie Mellon is an Equal Opportunity/Affirmative Action Employer. Our Department is eager to diversify its faculty; we encourage women and minorities to apply.

POSITIONS OPEN

FACULTY POSITION MOLECULAR GENETICS OF CANCER JOHNS HOPKINS UNIVERSITY

The Department of Biochemistry and Molecular Biology invites applications for a tenure-track faculty position. Preference will be given to candidates at the **ASSISTANT PROFESSOR** level, but exceptional candidates at more senior levels will also be considered. We seek candidates with outstanding records of accomplishment in the elucidation of the molecular, cellular, or genetic bases of cancer. We especially encourage applications from individuals who will use informative model systems and apply cutting-edge technologies and approaches to define the mechanisms that underlie the initiation or progression of human/mammalian cancer. The successful candidate will be expected to establish a dynamic research program and to demonstrate a strong commitment to graduate training and education. Please visit our **website: www.jhsph.edu/bmb/** for additional information about our Department. Applicants should submit curriculum vitae, a concise summary of research accomplishments, and a two-page statement of research plans, as well as arrange for three letters of recommendation to be sent to: **Dr. Roger McMacken, Chair, Department of Biochemistry and Molecular Biology, Johns Hopkins University, School of Public Health, 615 North Wolfe Street, Baltimore, MD 21205**. Review of applications will begin December 1, 2000. This recruitment is supported in part by monies from Maryland's Cigarette Restitution Fund. The Johns Hopkins University actively encourages interest from women, underrepresented minorities, individuals with disabilities, and veterans. The University is an Equal Opportunity/Affirmative Action Employer.

BEHAVIORAL GENETICIST: Denison University, a selective liberal arts college located 25 miles east of Columbus, Ohio, invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level. Teaching responsibilities include general zoology and another core course, genetics, and neuroscience courses in the candidate's area of interest. A strong potential for excellence in undergraduate teaching and an active research program involving undergraduates are essential. Research focusing on the genetic basis of invertebrate behavior or neural processes is preferred. Denison offers competitive start-up funds, summer support for student and faculty research, and a 350-acre biological reserve with field station near campus. Ph.D. required; postdoctoral experience and demonstrated teaching ability are assets. See our **website: http://www.denison.edu/biology** for more detailed descriptions of the position and program. Candidates should send letter of application; curriculum vitae; statements of teaching philosophy and research interests; copies of transcripts (graduate and undergraduate); and the names, e-mail addresses, and telephone numbers of three references to: **Chair, Behavioral Genetics Search Committee, Biology Department, Denison University, Granville, OH 43023** by December 1, 2000. Denison is an Affirmative Action/Equal Opportunity Employer. Women and minorities are especially encouraged to apply.

Tenure-track **ASSISTANT PROFESSOR** in developmental neuroscience, Department of Neurobiology and Anatomy, University of Utah School of Medicine. Applicants must have a Ph.D., M.D., or equivalent degree and postdoctoral research experience. The ability to develop a very strong independent research program in nervous system development is of paramount importance. A strong commitment to teaching medical and graduate students is also required. Send curriculum vitae, a statement of research interests, and names and addresses of three references to: **T. N. Parks, Chair, Department of Neurobiology and Anatomy, University of Utah School of Medicine, 50 North Medical Drive, Salt Lake City, UT 84132**. E-mail: najobapp@mailman.med.utah.edu. Visit our department **website: http://www-na.med.utah.edu**. Deadline is March 1, 2001, or until a suitable candidate is found. Equal Opportunity Employment/Affirmative Action. We strongly encourage applications from women and minorities.

The Division of Clinical Sciences National Cancer Institute

MOLECULAR TARGETS

The Cell and Cancer Biology Department, Medicine Branch, NCI, is recruiting a tenure/tenure-track principal investigator to establish a program in molecular targets of cancer, focused upon small molecule interactions with signal transduction and other potential therapeutic targets. Experience in cellular biochemistry, small molecule combinatorial libraries, and high-throughput screening is most desirable. The department provides a strong basic science environment with ample opportunity for clinical translation. A successful candidate would be expected to establish an independent and innovative laboratory program. Candidates must have a Ph.D., MD or equivalent degree and a record of scientific accomplishment. 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. The National Cancer Institute is an Equal Employment Opportunity and Affirmative Action employer that values and fosters diversity throughout the entire organization.

All applications must be postmarked, emailed, or faxed by the deadline for submission on Thursday, November 30, 2000.

Competitive salary and benefit packages are available. Please forward curriculum vitae, statement of research interests, and four references to:

Karen Anderson
Administrative Laboratory Manager
National Cancer Institute
Cell & Cancer Biology Department
10/3B43, MSC 1249
Bethesda, Maryland 20892
Email - anderska@mail.nih.gov
Fax - 301/435-4655



PICTURE THIS IN SAN DIEGO. ★ ENGINEERING AND PHYSICAL SCIENCE LABORATORY ★ THE MISSION OF THE GROUP IS TO ACQUIRE AND DISSEMINATE QUANTITATIVE COMPUTER SYSTEMS KNOWLEDGE THROUGH EXPERIMENTAL AND ANALYTICAL PHYSICAL SCIENCE AND ENGINEERING METHODS. THIS NEWLY FORMED GROUP WILL ESTABLISH A STATE-OF-THE-ART PHYSICS AND ENGINEERING LAB IN SAN DIEGO, CA AND IS CURRENTLY SEEKING CANDIDATES FOR THE FOLLOWING POSITIONS: ★ CHIEF SCIENTIST ★ LEAD ENGINEER ★ LAB MANAGER ★ SIGNAL INTEGRITY ENGINEER ★ INSTRUMENTATION DEVELOPMENT ★ SEMICONDUCTOR DEVICE EXPERIMENTATION ★

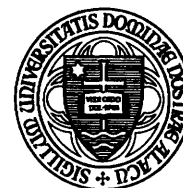
FOR IMMEDIATE CONSIDERATION, PLEASE FORWARD YOUR RESUME, WITH SUBJECT HEADING ASMT027AB/DD, TO: SUN MICROSYSTEMS, INC., 9540 TOWNE CTR. DRIVE, SAN DIEGO, CA 92121; EMAIL TO RESUME15@SUN.COM (PLAIN TEXT ONLY, NO ATTACHMENTS); OR FAX TO 858-625-0650. SUN IS PROUD TO ENSURE THAT EQUAL TALENT WILL ALWAYS GET EQUAL OPPORTUNITY. THE BEST WAY TO BE CONSIDERED BY SUN IS TO BUILD YOUR RESUME ONLINE AT: ★ **WWW.SUNSANDIEGO.COM**



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Postdoctoral and Predoctoral Positions CENTER FOR TROPICAL DISEASE RESEARCH AND TRAINING

Department of Biological Sciences University of Notre Dame

The University of Notre Dame has several openings for Postdoctoral Scientists and Predoctoral Students with interests in the biology of human parasites and arthropod vectors of human pathogens. Research opportunities range from molecular and cell biology, to genomics, to population genetics and field epidemiology. Positions are available through the Center's National Institute of Health training grant, "Experimental Parasitology and Vector Biology," as well as through research grants held by individual faculty. Some postdoctoral positions and all training grant positions are restricted to US citizens or permanent residents. A list of the faculty with their research interests is shown below.

John H. Adams, PhD - Molecular and Cell Biology of *Plasmodium*

Kristin Hager, PhD - Molecular and Cell Biology of Protein Trafficking in the Apicomplexa

Nora J. Besansky, PhD - Molecular and Evolutionary Genetics of Mosquitoes, Population Genetics of Malaria Vectors

Ronald A. Hellenthal, PhD - Systematics of Ectoparasites, Computing and Informatics in Biology

Frank H. Collins, PhD - Genetics of Malaria Vectors, Mosquito/Parasite Interactions, *Anopheles gambiae* Genomics

Jeff S. Schorey, PhD - Immunology and Cell Biology of *Mycobacterium*-Host Cell Interactions

Malcolm J. Fraser, PhD - Transposon-mediated Germ-line Transformation of Insects, and Transposon Biology

David W. Severson, PhD - Quantitative and Population Genetics of Mosquitoes, Mechanisms of Mosquito Refractoriness to Parasites

Paul R. Grimstad, PhD - Vector-Borne Disease Ecology and Epidemiology, Mosquito-transmitted Viruses

Thomas G. Streit, PhD - Epidemiology and Control of Mosquito-transmitted Filarial and Viral Pathogens

Two additional faculty with research interests in the vertebrate immune response to parasites and the genetics and genomics of *Plasmodium* and *Leishmania* are expected to join the Center in 2001.

For postdoctoral positions, send CV, representative reprints, and names of three references. Also identify faculty member(s) of interest. For predoctoral positions, send statement of interests, transcripts, and names of three references. All material should be mailed to: **Ms. Kathleen Merz, Department of Biological Sciences, P.O. Box 369, University of Notre Dame, Notre Dame, IN, 46556-0369.** Faculty email addresses and a more detailed description of the Center and associated faculty can be found through the Center for Tropical Disease Research and Training web site: <http://www.science.nd.edu/centers/index.html>.

POSITIONS OPEN

TENURE-TRACK POSITION BIOGEOGRAPHY AT UCLA

The Department of Geography seeks an **ASSISTANT PROFESSOR** in biogeography for a tenure-track position commencing in fall 2001. We are seeking applicants with expertise in field-based physiological plant ecology coupled with vegetation modeling to address landscape-scale problems relevant to human-induced landscape modification, biodiversity preservation, conservation, and the impacts of global change. Skills in GIS are desirable. The candidate must have a commitment to excellence in research and teaching within a diverse and multifaceted geography department. Demonstrated productivity in terms of peer-reviewed publications and the potential for obtaining external research funding are essential. Doctorate in geography or related field required at time of appointment. The Geography Department offers field meteorological equipment; advanced computational, GIS, and remote sensing facilities; and broad faculty expertise. Applications should include curriculum vitae; a detailed letter explaining current and proposed research and teaching experience and plans; and the names, e-mail addresses, and mailing addresses of three references. Applications must be received by 15 January 2001. Apply: **Chair, Biogeography Search Committee, Department of Geography, UCLA, Box 95124, Los Angeles, CA 90095-1524. Telephone: 310-825-2568; e-mail: macdonal@geog.ucla.edu; website: www.geog.ucla.edu.**

TWO FACULTY POSITIONS ECOLOGY/CONSERVATION BIOLOGY AND MARINE BIOLOGY

The ecology and evolution group of the Department of Biological Science at Florida State University invites applications for two tenure-track positions, one in **ECOLOGY AND/OR CONSERVATION BIOLOGY** and a second in **MARINE BIOLOGY**. We welcome applications from excellent candidates of any rank. Successful candidates will establish independent research programs and contribute to undergraduate and graduate teaching. Applicants should send curriculum vitae, description of research interests and goals, statement of teaching interests, and selected reprints. Applicants should also provide names and contact information for three references and arrange to have letters of recommendation sent to the Search Committee. All application materials must be received by January 1, 2001, and should be submitted to: **Ecology and Marine Biology Search Committee, Department of Biological Science, Florida State University, Tallahassee, FL 32306-1100.** For more information, see **website: http://www.bio.fsu.edu** or **search3@bio.fsu.edu**. *Florida State University is an Equal Opportunity/Affirmative Action Employer committed to diversity in hiring and is a Public Records Agency.*

BIOINFORMATICS/FUNCTIONAL GENOMICS FACULTY POSITION Department of Molecular Biology Princeton University

The Department of Molecular Biology invites applications for a tenure-track faculty position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level. This position may include an appointment in the Institute for Integrative Genomics at Princeton. We are seeking an outstanding Investigator in bioinformatics, computational biology, or functional genomics. Ph.D.s or M.D.s with postdoctoral research experience should send curriculum vitae, short summary of research interests, and three letters of reference to: **Bioinformatics/Functional Genomics Search Committee, c/o Gail Huber, Department of Molecular Biology, Princeton University, Princeton, NJ 08544-1014.** For full consideration, applications should be received by December 15, 2000. For additional information about the Department, visit our **websites: www.molbio.princeton.edu; www.genomics.princeton.edu.**

Princeton University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CHAIR, DEPARTMENT OF BIOLOGY WEST VIRGINIA UNIVERSITY

Applications and nominations are invited for the position of Chair starting July 1, 2001. The Department of Biology seeks an individual with strong interpersonal skills and proven administrative talent. The applicant should have credentials qualifying for appointment at the rank of **ASSOCIATE** or **FULL PROFESSOR**; the ability to manage the diverse programs of the Department of Biology; and a commitment to excellence in the areas of administration, teaching, and research. He or she should enthusiastically represent the Department of Biology to the University, alumni, relevant external groups, and the public at large. Preference will be given to candidates who can demonstrate a strong funding history with government and/or private agencies.

West Virginia University is the land grant, Doctoral/Research Universities-Extensive institution in the State of West Virginia, enrolling 22,000 students. The Department of Biology's faculty teach and conduct basic and applied research in cellular and molecular biology and environmental biology. Educational programs include Doctoral, Master's, and undergraduate students. The University is located in Morgantown, a community with a population of about 50,000. Morgantown has a large federal research presence; diverse cultural and recreational opportunities; excellent medical facilities; and a favorable location with ready access to Pittsburgh, Pennsylvania, and Washington, D.C. Several recent publications have rated Morgantown one of the best small cities in the United States based on the quality of life, including its schools.

Applicants should provide a letter of application, curriculum vitae, and telephone and e-mail addresses of five references. Applications, nominations, and inquiries should be sent to: **Dr. William L. MacDonald, Chair of the Biology Search Committee, 201 Woodburn Hall, West Virginia University, P.O. Box 6286, Morgantown, WV 26506-6286. E-mail: macd@wvu.edu.** Screening of applicants will begin on December 15, 2000, and continue until the position is filled.

West Virginia University is an Equal Opportunity/Affirmative Action Employer. Minorities, disabled, and women candidates are urged to apply.

ASSISTANT PROFESSOR DEPARTMENT OF PHYSIOLOGY AND HEALTH SCIENCE Ball State University Muncie, Indiana

Tenure-track position in human anatomy and physiology available August 17, 2001. Responsibilities: teaching introductory courses in human anatomy and physiology, plus one or more upper-level/graduate courses; conduct active research program that includes undergraduate and Master's level students; service. Minimum qualifications: earned Doctorate in anatomy or related field and at least one academic year of successful teaching experience at the college or university level. Preferred qualifications: relevant postdoctoral training, two or more years of successful college/university teaching, experience in computer-assisted instruction, interest in teaching neuroanatomy, research experience in tissue culture and/or electron microscopy. Salary is commensurate with rank and experience. Tenure is not automatic but depends on meeting performance criteria. Send application letter, including description of teaching and research interests; curriculum vitae; evidence of successful teaching experience; copies of undergraduate and graduate transcripts; and names of three references with contact information to: **Dr. Larry Ganion, Chairperson, Search Committee, Department of Physiology and Health Science, Ball State University, Muncie, IN 47306. Website: www.bsu.edu.** Review of applications will begin January 15, 2001, and will continue until the position is filled.

Ball State University is an Equal Opportunity/Affirmative Action Employer and is strongly and actively committed to diversity within its community.

POSITIONS OPEN

ONE-YEAR VISITING PROFESSOR Population and Community Ecology

Biology: One-year Visiting **ASSISTANT PROFESSOR** beginning August 2001 to teach population and community ecology, either natural history of invertebrates or ethology, parts of the introductory biology sequence, a nonmajors biology course, and direct undergraduate research in the College's required Independent Study program. Ph.D. required; postdoctoral and/or teaching experience preferred. Closing date: January 15, 2001.

HALF-YEAR VISITING ASSISTANT PROFESSOR Microbiology

Biology: A half-year Visiting Assistant Professor beginning January 2001 to teach microbiology, half of the introductory biology sequence (introduction to the biology of cells), and one introductory biology laboratory session. A Ph.D. and some teaching experience preferred. Closing date: November 1, 2000.

If interested in either position at The College of Wooster, send application (curriculum vitae, three letters of reference, and college transcripts) to: **Dr. Margaret Hodge, Department of Biology, The College of Wooster, 931 College Street, Wooster, OH 44691.** The positions are posted jointly with the five colleges of Ohio Consortium. For complete job descriptions, go to **website: www.wooster.edu**; scroll down and select "jump to employment opportunities."

FACULTY POSITION IN CHEMISTRY UNIVERSITY OF ALASKA SOUTHEAST

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

FACULTY POSITION IN THE LABORATORY OF GENETICS University of Wisconsin-Madison

The Laboratory of Genetics at the University of Wisconsin-Madison (**website: www.wisc.edu/genetics**) seeks to hire a tenure-track **ASSISTANT PROFESSOR** for appointment beginning July 2001 or thereafter. This appointment is one of four targeted to strengthen mammalian and human genetics on campus. Applicants appropriate for the position should have research interests that emphasize human biology, but the specific area of investigation is not strictly limited. Applicants should send curriculum vitae, a one-to-two-page statement of research interests, and arrange to have at least three letters of reference sent by December 15, 2000, to: **Laboratory of Genetics Search Committee, c/o Dr. Philip Anderson, University of Wisconsin, 445 Henry Mall, Madison, WI 53706-1574.** *The UW-Madison is an Affirmative Action/Equal Opportunity Employer. Women and minority scientists are especially encouraged to apply. Unless confidentiality is requested in writing, the list of applicants must be released upon request. Interviewed finalists, however, cannot be guaranteed confidentiality.*

**The University of Illinois at Urbana-Champaign
School of Molecular & Cellular Biology
Multiple Faculty Positions in Molecular and Cellular Biology**

The School of Molecular and Cellular Biology at the University of Illinois at Urbana-Champaign invites applications for faculty positions in all areas of Molecular and Cellular Biology. This search is part of a multi-year recruitment program. Of particular interest this year are the areas of:

**Bioinformatics
Cell Biology
Cellular Neurobiology
Genetics relevant to human disease**

**Immunology
Physiology
Structural Biology
Virology**

These positions are full-time and tenure track in the departments of Biochemistry, Cell and Structural Biology, Microbiology, and Molecular and Integrative Physiology in the College of Liberal Arts and Sciences and in the College of Medicine. Although we anticipate most of these appointments will be made at the Assistant Professor level, applications for positions at the Associate and Full Professor levels will also be considered and highly qualified scientists at these levels are encouraged to apply. The starting date for these positions is August 2001. Appointment at the Assistant Professor level requires a doctoral degree, postdoctoral experience, and evidence of outstanding research potential. Appointees at this level will be expected to develop a vigorous, independently funded research program. Appointment at higher levels requires evidence of outstanding research accomplishments including extramural funding and national recognition. Applicants at all levels will be expected to contribute effectively to undergraduate/graduate teaching.

The University of Illinois is committed to significant future growth in the biological sciences and we anticipate additional hires in these and related areas each year for the next several years. Successful candidates will be provided with excellent laboratory facilities, substantial start-up funds, and a salary commensurate with experience. The University of Illinois at Urbana-Champaign offers a highly interactive, interdisciplinary research environment and state-of-the-art research support facilities. Urbana-Champaign offers the residential advantages of a medium-sized university city, excellent cultural opportunities and easy access to Chicago and St. Louis. Information concerning the School of Molecular and Cellular Biology at the University of Illinois can be found at <http://www.life.uiuc.edu/mcb/>.

Applicants should submit their application to: **School of Molecular and Cellular Biology, University of Illinois at Urbana-Champaign, 393 Morrill Hall, 505 S. Goodwin Ave., Urbana, IL 61801.** An application must include curriculum vitae with a complete list of publications, a concise summary of research interests and future plans. Please specify research area, identified above, in top right corner of cover letter. Also, please arrange to have four letters of recommendation sent to the same address.

Electronic submissions as pdf files are encouraged and should be sent to mcsearch@life.uiuc.edu. To ensure full consideration, applications should be received by Dec. 15, 2000. Interviews may be conducted before the closing date; however, no hire will be made until after the closing date.

The University of Illinois at Urbana-Champaign is an Affirmative Action, Equal Opportunity Employer.

Postdoctoral or Staff Scientist

This position is available in cancer vaccine research. Candidate must have extensive experience with human or murine T-cells, including T-cell cloning. Project involves development and characterization of Th-cells and CTL against human colorectal cancer for adoptive and active immunotherapy using a novel organotypic culture system.

Please send CV and brief description of research experience to **The Wistar Institute, HR Dept., Attn: D. Herlyn, D.V.M., Professor Chair, Immunology Program, 3601 Spruce Street, Phila. PA 19104 or e-mail dherlyn@wistar.upenn.edu. Visit our Web site at www.wistar.upenn.edu/dherlyn.**
EOE/AA/M/F/D/V.



**MOUNT SINAI
SCHOOL OF
MEDICINE**

Mount Sinai School of Medicine, a leader in medical education and research, has the following opportunities available:

POSTDOCTORAL POSITIONS

A postdoctoral position is available to study the interactions among antiphospholipid antibodies, phospholipid membranes and annexin proteins. The major area of research interest of our laboratory is to elucidate how antibodies from patients with the "antiphospholipid syndrome" may affect the binding of annexin proteins to phospholipid membranes and the consequences on protein function. The project requires experience and expertise in protein purification, tissue culture techniques, polyacrylamide gel electrophoresis, phospholipid membrane biochemistry, immunohistochemistry, molecular cloning and cellular immunology.

Please send CV and 3 references to: **Jacob H. Rand, MD, Director, Hematology and Coagulation Laboratories, Thrombosis & Hemostasis Section, Box 1079, Mount Sinai School of Medicine, 1 Gustave L. Levy Place, New York, NY 10029.**
Fax: 212-876-7299. E-mail: jacob.rand@mssm.edu

A Postdoctoral (PhD or MD) fellowship position (NIH funded) is available to study bone marrow transplantation and gene therapy for sickle cell disease in a murine model. Background in stem cell biology, hematopoiesis, retroviral gene transduction of hematopoietic cells, hemoglobinopathies, and molecular biology techniques is desirable.

Please send cover letter, CV, and 2 references to: **Rona Singer Weinberg, PhD, Research Associate Professor, Mount Sinai School of Medicine, 1 Gustave L. Levy Place, Box 1079, New York, NY 10029. Email: rona.weinberg@mssm.edu.**

POSITIONS OPEN

CENTER FOR STATISTICAL GENETICS DEPARTMENTS OF BIOSTATISTICS AND HUMAN GENETICS University Of Michigan

The Center for Statistical Genetics and the Departments of Biostatistics and Human Genetics at the University of Michigan together invite applications for three tenured or **TENURE-TRACK FACULTY POSITIONS** in statistical genetics, including complex diseases, genetic epidemiology, bioinformatics, and population genetics. Junior and senior Scientists are invited to apply. Generous salary and start-up support are available; joint appointments are encouraged. Applicants should have a Doctoral degree in biostatistics, genetics, or a related discipline, and demonstrate outstanding research productivity or promise. Inquiries and applications to: **Michael Boehnke, Ph.D., Co-Chair, Statistical Genetics Search Committee, Department of Biostatistics, School of Public Health, University of Michigan, 1420 Washington Heights, Ann Arbor, MI 48109-2029. Telephone: 734-936-1001; e-mail: boehnke@umich.edu.** Information about the positions and Departments is available at websites: <http://www.sph.umich.edu/biostat/> and <http://www.med.umich.edu/hg/>. Applicants should send curriculum vitae, statement of research interests, and contact information for at least three references. Recent Ph.D.s also should send academic transcripts. Applicant review will begin November 1, 2000, and continue until the positions are filled. *The University of Michigan is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

SYNTHETIC MATERIALS CHEMISTRY DARTMOUTH COLLEGE

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

BIOLOGIST. Regis University Department of Biology has a tenure-track **ASSISTANT PROFESSOR** position beginning fall 2001. Primary teaching responsibility: cellular and molecular biology introductory course for biology majors and upper-division courses in developmental biology, neuroscience, and topics of interest including the College Core Program. Ph.D. required with broad-based training in cellular biology, neurobiology, or physiology; post-doctoral experience and teaching experience desirable. Candidate should be enthusiastic about teaching and research with undergraduates. Send curriculum vitae, research interests, prospective course offerings, and three letters of reference by December 1, 2000, to: **Dr. Joan Betz, c/o Dean's Office, E-24, Regis University, 3333 Regis Boulevard, Denver, CO 80221.** Website: <http://www.regis.edu/biology>. Our Jesuit mission emphasizes leadership in the service of others. Position availability subject to final administrative approval. *Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR BIOLOGY

Hiram College invites applications for two tenure-track positions to begin August 2001 at the **ASSISTANT PROFESSOR** level with the following specialties: (1) genetics and (2) invertebrate biology. We welcome candidates with a wide range of experience; however, each successful candidate will also be competent and interested in teaching in at least two of the following areas: introductory biology (botany and/or zoology), molecular and cellular biology, microbiology, and neurobiology. Ability and desire to engage in research with undergraduates at Hiram is expected. Contributions to the general education program through first-year courses and upper-level interdisciplinary courses, as well as service activities, are also expected. Successful candidates will have a Ph.D. by May 2001 and a strong dedication to teaching, advising, and mentoring at the undergraduate level. The Department and College have well-equipped laboratories as well as a 260-acre field station located three miles from campus. Hiram College is a small, selective undergraduate liberal arts college located in rural northeast Ohio and is 45 minutes from Cleveland, Akron, and Youngstown. The College is nationally recognized for its strong undergraduate biology program and for its commitment to interdisciplinary programs. Submit letter of application for a single position, curriculum vitae, one-page statements of teaching philosophy and research philosophy, and three letters of recommendation to: **Matthew H. Hils, Department of Biology, Hiram College, P.O. Box 67, Hiram, OH 44234. E-mail: hilsmh@hiram.edu; website: www.hiram.edu.** Evaluation of applications will begin December 15, 2000, and will continue until the positions are filled.

Hiram College is an Equal Opportunity Employer committed to excellence through diversity.

ASSISTANT PROFESSOR OF BIOCHEMISTRY UNIVERSITY OF WASHINGTON

Applications are invited for a tenure-track Assistant Professor position in the Biochemistry Department of the University of Washington Medical School. We are interested in applications from creative individuals who have strong research credentials and plan to focus on molecular aspects of important biological problems. Applicants should have a Ph.D. in biochemistry, molecular biology, or a related field. The appointee will be expected to participate in interdisciplinary graduate training programs and undergraduate teaching. Applicants should submit curriculum vitae, a research prospectus, reprints/preprints, and three letters of recommendation to be forwarded separately by December 1, 2000, to: **Alan Weiner, Chair, Department of Biochemistry, University of Washington, Seattle, WA 98195-7350. Telephone: 206-543-4985; FAX: 206-685-9231; e-mail: amweiner@u.washington.edu.** *The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. The University of Washington is an Affirmative Action/Equal Opportunity Employer.*

TENURE-TRACK FACULTY POSITIONS/NEUROSCIENCE

The Department of Biomedical Sciences at Marquette University invites applications for three tenure-track faculty positions at the rank of **ASSISTANT/ASSOCIATE PROFESSOR**. The Department is committed to expansion of its neuroscience research program, and successful candidates will be expected to establish/maintain an independent, funded research program in an area of neuroscience. Teaching responsibilities will be in the areas of pharmacology or biochemistry/molecular biology. Applicants should submit curriculum vitae, description of research interests, and the names of three references by November 30, 2000, to: **Search Committee, Department of Biomedical Sciences, Marquette University, P.O. Box 1881, Milwaukee, WI 53201-1881.** *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

FACULTY POSITIONS IN NEUROBIOLOGY THE PENNSYLVANIA STATE UNIVERSITY

The Department of Biology at Penn State, University Park campus, invites applications for two tenure-track faculty positions in neurobiology. One position will be at the **ASSISTANT PROFESSOR** rank, and the other can be at the **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level. We encourage applications from candidates with strong records of research achievement in any field of modern neuroscience. Of special interest are candidates with innovative research programs in neurophysiology and plasticity, mechanisms of neural development and migration, mechanistic basis of neurodegenerative diseases, or mechanisms of learning and memory. In addition to directing a strong research program, the successful candidate will be expected to participate in teaching and mentoring as part of the educational programs of the Department of Biology and the Neuroscience Program of the Life Sciences Consortium. For further information about this position and the Department, see website: <http://www.bio.psu.edu/General/employment/Neuro>. To apply, please submit current curriculum vitae and list of publications, a statement of research interests and plans, and arrange for three letters of reference to be sent on your behalf to: **Chair, Neurobiology Search Committee, 208 Mueller Laboratory, Box NS, University Park, PA 16802.**

Application review will start November 15, 2000, with appointment beginning in fall 2001. *Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITION IN MAMMALIAN DEVELOPMENT The Pennsylvania State University

The Department of Biology at Penn State invites applications for a tenure-track faculty position in the area of mammalian development at the **ASSISTANT PROFESSOR** level. We are particularly interested in applicants with research interests in organogenesis and the interface of development and physiology of organ systems. Applicants in other areas of mammalian development are encouraged to apply as well. Applicants should have a strong record of creative research and be committed to teaching. For further information about this position and the Department, see website: <http://www.bio.psu.edu/General/employment/Mamdevelopment/>.

To apply, please submit current curriculum vitae and list of publications, a statement of research interests and plans, and arrange for three letters of reference to be sent on your behalf to: **Chair, Mammalian Development Search Committee, Department of Biology, 208 Mueller Laboratory, Box MS, University Park, PA 16802.**

Application reviews will start November 15, 2000, with appointment beginning in the fall of 2001.

TENURE-TRACK FACULTY POSITION Environmental Risk Assessment and Analysis and Policy and Policy Analysis

Risk Analysis and Policy Analysis: Interdisciplinary environmental studies department in the College of Public Affairs and Administration seeks a tenure-track **ASSISTANT PROFESSOR** beginning August 15, 2001. Candidates must have a Ph.D. in an appropriate field, evidence of research potential, and the ability to teach courses in human and environmental risk assessment and analysis and in policy and policy analysis with expertise in air, land, or water.

Send letter of application describing teaching and research interests, curriculum vitae, transcripts, and the names and addresses of at least three references to: **Search Committee, Department of Environmental Studies, University of Illinois at Springfield, P.O. Box 19243, Springfield, IL 62794-9243.**

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

The University of Illinois at Springfield is an Affirmative Action/Equal Employment Opportunity Employer. Persons with disabilities, women, and minorities are encouraged to apply.

NEUROME

Neuroscience – the study of the structure, functions, capacities and diseases of the brain – offers the greatest challenge in biology, the leading growth area for biomedical research, and the focus of hope for understanding and treatment of brain-based behaviors and pathologies, from deficits in memory and learning to diseases like Alzheimer's and schizophrenia.

Neurome, Inc., a newly established neuroscience company founded by a team of leading brain researchers from The Scripps Research Institute and Mount Sinai School of Medicine, will use its proprietary technologies to develop standardized, quantitative databases that accurately depict and integrate gene expression patterns in the 3-dimensional context of the brain's structures, circuits and cells, and to deploy these databases in primary research directed toward the discovery and development of gene targets for enhancement of brain function and treatment of brain-based disease.

It is the initial mission of Neurome to complete development of the Neurome Technologies for high throughput commercial/industrial application and to integrate the Neurome Technologies into a unitary process for production of standardized, quantitative data for use by Neurome's own researchers and the company's pharmaceutical, biotech and academic research partners.

The La Jolla-based company is currently recruiting for the following positions:

Neurobiology Laboratory Director
Histochemists
Software Engineer – Database Specialists
Software Engineer – Instrumentation

Compensation will meet your qualifications and includes equity participation in an exciting growth Company. For consideration, please send or fax your resume/CV, letters of reference and salary history to: **NEUROME, INC., 11149 North Torrey Pines Road, La Jolla, California 92037, www.neurome.com, fax: (858) 677-0458, EOE.**

Smithsonian Tropical Research Institute



Fellowships in Tropical Biology

The Smithsonian Tropical Research Institute (STRI, www.stri.org), a division of the Smithsonian Institution, offers fellowships for research based at its facilities in the Republic of Panama. Disciplines include anthropology, behavior, ecology, evolution, paleontology, physiology and systematics.

Earl S. Tupper 3-year Postdoctoral Fellowship Deadline: Jan 15

Applications should include a detailed research proposal with budget, curriculum vitae, 2 letters of reference, names and telephone numbers of 3 additional references and reprints of most important papers. Before submitting final proposal applicants should consult with STRI scientists who will serve as advisors. \$30,000 annually plus travel and research allotments. Proposals for comparative research in other tropical countries will be considered. Send inquiries and application to STRI.

Molecular Evolution Fellowship Deadline: Jan 15

Available through Smithsonian's Office of Fellowships & Grants, Washington DC. For information: OFG, 750 9th Street, NW, Suite 9300, MRC 902, Washington, DC 20560-0902, siofg@ofg.si.edu, www.si.edu/research+study

Senior, Post- and Pre-Doctoral (up to 1 year) and Graduate Student (10-week) Fellowships Deadline: Jan 15

Available through the Smithsonian's Office of Fellowships & Grants, Washington, DC. For information: OFG, 750 9th Street, NW, Suite 9300, MRC 902, Washington, DC 20560-0902, siofg@ofg.si.edu, www.si.edu/research+study

Three-month Fellowships Deadlines: the 15th of Feb, May, Aug, and Nov

Available through STRI. For information: Smithsonian Institution, STRI/Office of Education, Washington, DC 20560-0580, fellows@tivoli.si.edu or www.stri.org

Fellowships are awarded competitively on merit, without regard to race, color, religion, sex, national origin, age or condition of handicap of the applicant.

Found it.

Challenge. Innovation. Inspiration.

If you are challenged by the possibilities of changing the world with great care...inspired by the opportunities of this challenge...desire to be part of an innovative premier healthcare company that celebrates your successes as well as our own...then, you have *found it at Bayer*. Right now, we have the following exceptional opportunities available within our Pharmaceutical Division headquartered in **West Haven, CT.**

Assistant Director, Scientific Communications

You will be responsible for developing and implementing a scientific communication strategy for one or more drug products or therapeutic areas to achieve Bayer's US and international marketing and sales objectives. You will communicate scientific and clinical data to the medical community by writing and supervising the creation of articles for the medical literature, presentations for national conferences, slide kits, and other educational material. A strong scientific/medical background, a Ph.D., MD, or PharmD in a scientific/medical discipline, plus a minimum of five years of experience in a related scientific/medical/pharmaceutical area required. A minimum of four years of experience must include medical writing. Demonstrated ability to interpret and present scientific and clinical trial data, and excellent editorial and interpersonal skills essential. **ASMW0866**

Scientific Editor

You will support the Associate and Assistant Directors by writing and editing scientific articles, poster and slide presentations for national conferences, and other educational materials. You will perform literature searches, track project development, revise publications based on critical review and interface with medical publishers and opinion leaders. Requires a strong scientific background, a Ph.D. or PharmD in a scientific/medical discipline, plus a minimum of 3 years experience in a related scientific/medical/pharmaceutical area, at least two of which must include medical publishing, or a Master's degree plus a minimum of five years of experience in a related scientific/medical/ pharmaceutical area, at least two years in medical publishing or equivalent education and experience required. **ASMW0910**

Find it for yourself at **www.founditatabayer.com** Forward your resume and salary requirements, clearly referencing **Job Code to: Bayer Corporation, Pharmaceutical Division, P.O. Box 3238, Scranton, PA 18505-0238. Fax: 1-888-805-7474; email: bayerpharma@alexus.com** No agencies or phone calls please. We are an Equal Opportunity Employer M/F/D/V. Bayer Corporation is committed to enhancing and maintaining cultural diversity within our work environment.



Join us in changing the world with great care.

POSITIONS OPEN

DEPARTMENT OF NEUROBIOLOGY, PHARMACOLOGY, AND PHYSIOLOGY The University of Chicago

The University is making a significant commitment to the development of outstanding programs in cellular and molecular neurobiology under the direction of **Sangram S. Sisodia**. The Neurobiology Search Committee is inviting applications for tenure-track positions in neurobiology at the **ASSISTANT** and **ASSOCIATE PROFESSOR** levels. The successful candidates will join a multidisciplinary department composed of 24 primary and seven secondary faculty members whose research interests cover the areas of neurobiology of disease, developmental neurobiology, neuropharmacology, membrane receptors, signal transduction and second-messenger mechanisms, membrane transport, structure and function of ion channels, vestibular and systems physiology, cytoskeleton, secretory pathways, and cell growth regulation. Although applications in all areas of neurobiology are welcomed, we are particularly interested in candidates working in developmental neurobiology, neuronal vesicular trafficking, molecular determinants of neuronal plasticity, neuron-glia/neuron-muscle interactions, trophic/cytokine signaling mechanisms, and transgenic/knockout models of neurodegeneration and neurodegenerative diseases. The successful candidate will be required to teach in appropriate undergraduate, graduate, and medical school courses. Applicants should provide a brief statement of research interests and plans, curriculum vitae and bibliography, and the names of three individuals who are willing to write letters of recommendation to: **Dr. William Green, Cell and Molecular Neurobiology, Search Committee, The University of Chicago, Department of Neurobiology, Pharmacology, and Physiology, 947 East 58th Street, Chicago, IL 60637.** From the time of its original charter, the principle of the University of Chicago has been to appoint scholars without regard to race, color, religion, sex, or national origin.

CELL/MOLECULAR/DEVELOPMENTAL BIOLOGY

Applications are invited for two tenure-track faculty positions to start on July 1, 2001, at the **ASSISTANT PROFESSOR** level in the Department of Cell Biology at Georgetown University School of Medicine. Candidates should have a strong background using molecular genetic approaches. Although the area of research is open, we would welcome applications from individuals interested in developmental toxicology, hormone research, or cell-to-cell interactions. Applicants should have a Ph.D. or an M.D., postdoctoral experience, and a record of high-quality research. The successful candidate is expected to establish an independent research program with extramural support. Candidates will be required to participate in the Department's medical school teaching program. A curriculum vitae, representative publications, and the names of three references should be sent to: **Martin Dym, Ph.D., Department of Cell Biology, Georgetown University School of Medicine, 3900 Reservoir Road, N.W., Washington, DC 20007.** Application deadline: December 31, 2000. *Georgetown University is an Equal Opportunity/Affirmative Action Employer.*

Exercise and Health Science, Alma College. **ASSISTANT/ASSOCIATE PROFESSOR** position in nutrition/exercise physiology; tenure track. Ph.D. with a commitment to teaching and developing an active research program that involves undergraduate students. Teaching responsibilities include nutrition, exercise testing exercise physiology, and a course in the individual's specialty. Send letter of application including a statement of teaching and research interests, curriculum vitae, graduate transcripts, and three letters of reference to: **Dr. John Davis, Chair, Exercise and Health Science, Alma College, Alma, MI 48801** by December 1, 2000. E-mail: davisj@alma.edu. *An Equal Opportunity Employer, Alma College encourages women, minorities, and person with disabilities to apply.*

POSITIONS OPEN

FACULTY POSITIONS IN MOLECULAR BIOLOGY Department of Biochemistry and Biophysics Texas A&M University

The Department of Biochemistry and Biophysics at Texas A&M University invites applications for two tenure-track positions in molecular biology. Candidates whose research interests address fundamental problems in any area of molecular biology or molecular genetics will be considered.

The appointments are likely to be at the **ASSISTANT PROFESSOR** level, but inquiries from more senior candidates are encouraged. Successful candidates will be expected to establish an active research program and to participate in the teaching missions of the Department. These positions offer a chance to join a department with an energetic and interdisciplinary faculty, an excellent graduate program, and ample opportunities for collaborations with enthusiastic colleagues in this and other departments. With a student population of over 40,000, Texas A&M is an outstanding university centrally located between Dallas, Austin, and Houston. For more information about the Department, see website: <http://www.tamu.edu/biobio/>.

Applicants should send curriculum vitae, reprints of significant publications, statement of research interests, and arrange to have three letters of reference sent to:

**Chair, Molecular Biology Search Committee
Department of Biochemistry and Biophysics
Texas A&M University
2128 TAMU
College Station, TX 77843-2128**

Review of applications will begin December 1, 2000, and continue until the positions are filled. *Texas A&M University is an Affirmative Action/Equal Opportunity Employer committed to diversity.*

ECOLOGY/CONSERVATION IN LATIN AMERICA

The Department of Wildlife Ecology and Conservation and the Center for Latin American Studies at the University of Florida invite applications at the **ASSISTANT PROFESSOR** level for a 12-month, tenure-track position in wildlife ecology and conservation in Latin America with 60% research and 40% teaching responsibilities. The successful candidate will develop an internationally recognized research program and teach an undergraduate and graduate course in tropical wildlife and an interdisciplinary graduate seminar on tropical conservation and development. Candidates should have a Ph.D. in conservation biology, natural resource management, ecology, or related field and have experience in Latin America and a commitment to interdisciplinary training. Application deadline is February 1, 2000. Please see website: <http://www.wec.ufl.edu> for a complete job description. Send curriculum vitae, statements of professional goals and teaching philosophy, official transcripts of academic work, and three letters of recommendation to: **Susan Jacobson, Chair, Wildlife Ecology and Conservation in Latin America Search Committee, Department of Wildlife Ecology and Conservation, P.O. Box 110430, University of Florida, Gainesville, FL 32611-0430.** Telephone: 352-846-0562; FAX: 352-392-6984; e-mail: jacobsonS@wec.ufl.edu. Refer to Position 930270. *The University of Florida is an Equal Opportunity/Equal Access/Affirmative Action Employer. Women and minorities are encouraged to apply.*

DIRECTOR OF FOOD SAFETY PROGRAMS at the Egg Nutrition Center (website: www.enc-online.org). Responsible for education, research, and data analysis. Ph.D. in food safety-related area or MPH with extensive experience in food safety, along with strong communication skills. Application deadline is December 1, 2000. Send résumé to: **Donald J. McNamara, Ph.D., Egg Nutrition Center, 1050 17th Street N.W., Suite 560, Washington, DC 20036.** Telephone: 202-833-8850; e-mail: enc@enc-online.org.

POSITIONS OPEN

DIRECTOR Geriatric Research, Education, and Clinical Center (GRECC) Veterans Affairs Puget Sound Health Care System Department of Psychiatry and Behavioral Sciences University of Washington School of Medicine Seattle, Washington

The Department of Psychiatry and Behavioral Sciences at the University of Washington School of Medicine and the Veterans Affairs Puget Sound Health Care System seek a Psychiatrist (M.D.) with demonstrated expertise in aging, geriatrics, or age-related disorders to direct the Geriatric Research, Education, and Clinical Center (GRECC). The position requires strong academic leadership skills, evidence of independent research accomplishments, and experience with teaching programs in clinical gerontology. Because the GRECC includes faculty from multiple disciplines with established programs in neurogenetics, neurodegenerative diseases, neuroendocrinology, and neuropsychopharmacology, applicants with experience in a field relevant to neuroscience and the ability to work productively with a multispecialty group of clinical and basic Neuroscientists are especially welcome to apply. This is a full-time VA career position with faculty appointment preferably at the rank of **PROFESSOR**, although the rank of **ASSOCIATE PROFESSOR** may be considered commensurate with qualifications. Interested candidates should forward their curriculum vitae and a list of references by December 31, 2000, to: **Dan Dorsa, Ph.D., Chair, Search Committee, Department of Psychiatry and Behavioral Sciences, University of Washington, Box 356560, Seattle, WA 98195-6560.** *The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. The UW and the VA Puget Sound Health Care System are Affirmative Action/Equal Opportunity Employers.*

California Institute of Technology invites applications for one faculty position at the interface of chemistry with the biological sciences. Appointment in the Division of Chemistry and Chemical Engineering is anticipated. Candidates proposing interdisciplinary research programs are of particular interest, and strong interactions with other divisions of the Institute are expected. Joint appointments in other divisions will be arranged as appropriate. Exceptionally well-qualified applicants will be considered for a tenure-track appointment at the **ASSISTANT, ASSOCIATE, and FULL PROFESSOR** levels. Initial appointment at the Assistant Professor level will be for four years. Outstanding candidates who have completed their Ph.D. and have a strong commitment to research and teaching are encouraged to apply. Submit by November 15, 2000, curriculum vitae; publication list; a concise description of proposed research; and three letters of recommendation to: **Professor John H. Richards, Chair, Faculty Search Committee, Braun Laboratory, 147-75, California Institute of Technology, Pasadena, CA 91125.** *The California Institute of Technology is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.*

Targeted Genetics Corporation is a growing downtown Seattle-based biotechnology company developing gene therapy products for the treatment of acquired and inherited diseases. We are seeking motivated professionals for the following positions: **SCIENTIST:** analytical methods; **RESEARCH ASSISTANTS/ASSOCIATES:** analytical methods; and **MANAGER:** contract manufacturing.

For more information on these opportunities, please visit the Careers section of our website: www.targetgen.com. For consideration, please forward your résumé to:

**Targeted Genetics Corporation
Human Resources
1100 Olive Way, Suite 100
Seattle, WA 98101
FAX: 206-521-4782
E-mail: careers@targetgen.com**

**GRANT WRITER / SCIENCE WRITER
PROTIVERIS, INC.**

Protiveris, Inc., a start-up biotechnology company located in Rockville, Maryland, is looking for a grant writer or a science writer to help the company expand its visibility and obtain government funding for its core silicon chip technologies. Protiveris is a rapidly growing company developing new silicon-based technologies for diagnostics and proteomics.

The successful candidate must have a science background, excellent writing skills and knowledge of funding sources within the U.S. Government. The preferred candidate will have a demonstrated track record of obtaining grants and have an excellent science writing background. This position is either on a part- or full-time basis.

Protiveris, Inc., offers a competitive salary, medical and retirement benefits, as well as a stock option plan.

For more information please contact:

Protiveris, Inc.
9700 Great Seneca Highway
Rockville, MD 20850
Tel: (301) 738-7800
Fax: (301) 738-8800
jpeeters@protiveris.com

PROTIVERIS, INC.



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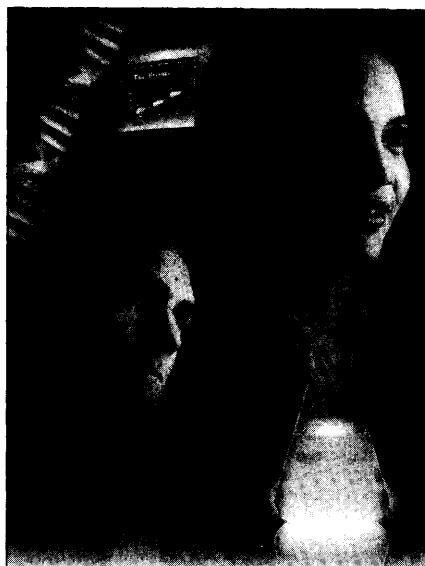
**Faculty Position in Molecular
and Cellular Biology
University of Arizona**

The Department of Molecular and Cellular Biology and the Arizona Cancer Center are seeking two joint tenure-track Assistant Professors for appointment in 2001. Applicants' research should have relevance to cancer biology, but otherwise research interests may be in any area of molecular, cellular, developmental, or computational biology, and individuals working with model organisms including invertebrates and yeast are encouraged to apply. A successful candidate will be expected to establish a competitive research program and to teach at both the undergraduate and graduate levels. Send curriculum vitae, a 1-2 page statement of research interests, and have at least three supporting letters sent to:

Danny Brower
Head, Department of Molecular and
Cellular Biology
Life Sciences South Building
Room 444
University of Arizona
Tucson, AZ 85721, USA

Review of applications will begin on November 1, 2000, although applications will be accepted until the positions are filled.

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exceptional challenges, consider a career that matters at Pfizer. Explore these opportunities at our research facilities in Groton, Connecticut, and Ann Arbor, Michigan.

**Research Scientist,
Protein Chemistry (Groton)**

Using your experience in protein chemistry and purification, as well as in chemical, kinetic and thermodynamic analysis of protein structure/function, you will work with a highly interactive group whose mission is to provide functionally characterized proteins for groups in exploratory drug development, ultra-high throughput screening and structure-based drug design. This position requires 2-3 years of postdoctoral experience in protein chemistry or a related discipline. A knowledge of biophysical approaches, such as AUC, CD, SPR, ITC and enzymology, is desirable. An in-depth knowledge of cell structure and function is essential. Ad Code: 00078745C1

**Lab Scientist,
Protein Chemistry (Groton)**

You will use chromatographic methods, such as HPLC, FPLC and BioCAD, to develop means for the analytical characterization and preparative purification of proteins for use as reagents and for structural studies. You will also develop biochemical methods for the characterization of *in vivo* protein modification. This position requires a BS/MS in Biology or a related discipline, as well as 1+ years related experience; 1-5 years experience preferred. Experience in biophysical analysis of the solution properties of proteins and the use of biochemical techniques for the analysis of structure/function relationships is desirable. Ad Code: 00098815C1

For the Groton positions, please apply online through our website at www.pfizer.com. If necessary, you may also mail your resume, indicating the appropriate Ad Code, to: PGRD, c/o Aon Consulting, PO Box 25, Findlay, OH 45839 or email Pfizer@aon-hros.com.

Associate Scientist (Ann Arbor)

You'll contribute to our dyslipidemia programs by performing isolation and assay of lipids, lipoprotein particles, apolipoproteins and apolipoprotein mRNAs from a variety of *in vitro* and *in vivo* models of lipid metabolism. You'll also help develop, implement and perform drug screens targeted at modulating lipids in the form of biochemical and cell-based assays. You must have a BS and 5 years experience in the lipid field or an MS and 2 years experience in lipid research. This position requires cell culture experience and knowledge of routine biochemical and molecular biological methodologies pertaining to lipid research. Fluency in Microsoft Office and statistics programs is necessary. Ad Code 00-009035C

For the Ann Arbor position, please submit your resume, indicating Ad Code 00-009035C, to PGRD Strategic Staffing, 2800 Plymouth Road, Ann Arbor, MI 48105; fax to 734.622.7617.

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POSITIONS OPEN

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

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

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

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

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

TWO FACULTY POSITIONS Mouse Modeling/Complex Trait Analysis

The Department of Molecular and Cellular Biology at the Roswell Park Cancer Institute seeks to recruit individuals performing mouse modeling of cancer and complex trait analysis. Applicants for the first position should be developing new mouse models for cancer or utilizing existing models to characterize fundamental mechanisms underlying cancer and developmental processes. Applicants for the second position should be utilizing complex trait analysis in mice to identify and characterize genes that affect cancer. The Department occupies new laboratories connected to a new state-of-the-art animal facility. Staffed facilities are available for microarray analysis, histology, biopolymer synthesis and sequencing, transgenic and targeted mutant development, laser capture microdissection, and small animal MRI. A WAVE machine is available for high-throughput genotyping. Recruitment plans for the coming few years at the Institute call for more than 20 new faculty. Competitive salaries and start-up packages will be provided. Interested candidates should send curriculum vitae, the names and addresses of three references, and a two-to-three-page summary of research interests to: **Faculty Search Committee, c/o C. Mrowczynski, Roswell Park Cancer Institute, Department of Molecular and Cell Biology, Elm and Carlton Streets, Buffalo, NY 14263.** *Roswell Park Cancer Institute is an Equal Opportunity Employer.*

VIRTUAL SUPERCOMPUTING for Bioinformatics and Other Scientific Applications

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

POSITIONS OPEN

The Department of Biology at San Diego State University offers two tenure-track positions to begin fall 2001. (1) **ASSISTANT PROFESSOR:** Evolutionary Developmental Biologist, Evolutionary Biology program area. Desired research interests should center on evolutionary questions in animal/plant developmental biology using modern approaches, e.g., molecular developmental methods. Teaching to include embryology/development, participation in an undergraduate course, and a course in the candidate's area of expertise. (2) **ASSISTANT or ASSOCIATE PROFESSOR:** Marine Plant/Algal Ecologist, Ecology program area. A research focus in the ecology of benthic macrophytes in support of a program area emphasis in coastal marine ecology is desired. Research interests may include the physiological, population, or community ecology of macroalgae or marine plants. Teaching to include a course in the biology of algae and aquatic plants, participation in a general ecology course, and a course in the candidate's area of expertise.

Candidates for both positions must have a Ph.D. and active research program. Postdoctoral experience and demonstration of externally funded research is preferred. Successful candidates will interact with a diverse student body and with an active group of biology faculty in systematics, evolution, population studies, ecosystem/global change ecology, conservation/restoration ecology, and cell/molecular biology. Consideration will include the candidate's match to programmatic strengths including research emphases, teaching, and student mentoring. Candidates at the Associate Professor level will be expected to have demonstrated excellence in teaching and funded research. Send curriculum vitae, statement of research and teaching interests, three representative publications, and have three letters of reference sent as appropriate to either: **Evolutionary Developmental Biologist or Marine Plant/Algal Ecologist Search Committee, Department of Biology, San Diego State University, San Diego, CA 92182-4614.** Review and initial selection of applications will begin December 15, 2000, but can continue until the position is filled. More information available at [website: http://www.sci.sdsu.edu/fac-recruitment](http://www.sci.sdsu.edu/fac-recruitment). *San Diego State University is an Equal Opportunity Employer and does not discriminate against persons on the basis of race, religion, national origin, sexual orientation, gender, marital status, age, or disability.*

Two tenure-track **ASSISTANT PROFESSOR**-level positions are available for highly motivated individuals to develop interdisciplinary programs in functional genomics or proteomics at Clemson University. The candidates will establish internationally recognized research programs in basic or applied aspects of either molecular genetics or protein chemistry. Applicants with experience in plant and nonplant systems who have a desire to apply their expertise in genetics, biochemistry, physiology, or plant pathology to important herbaceous as well as woody plant systems will be considered. The candidate must hold a Ph.D. in a relevant discipline and preferably should have postdoctoral experience. Documented experience in or the potential for acquisition of extramural support is essential. The individuals selected for these positions will have 75% research/25% teaching appointments and will be expected to teach in either the biochemistry or genetics program. The two positions include competitive salaries and generous start-up packages. The successful candidates will occupy space in a new \$27 million, state-of-the-art plant biotechnology building/greenhouse complex and will be associated with the Clemson University Genomics Institute emphasizing high-throughput gene discovery projects ([website: www.genome.clemson.edu](http://www.genome.clemson.edu)). Submit curriculum vitae, a list of three references with addresses (postal and e-mail) and telephone numbers, and a statement of professional goals to: **Dr. Stephen A. Lewis, Chair, Search and Screen Committee, 120 Long Hall, Box 340377, Clemson, SC 29634-0377.** E-mail: slewis@clemson.edu. Review of applications will begin on December 1, 2000, and continue until the positions are filled. *Clemson University is an Equal Opportunity/Affirmative Action Employer and invites applications from qualified women and minority candidates.*

POSITIONS OPEN

PHARMACOLOGY UNIVERSITY OF TEXAS

The Department of Basic Sciences, University of Texas, Houston Health Science Center, Dental Branch, invites applications for a full-time, tenure-track faculty position at the **ASSISTANT/ASSOCIATE PROFESSOR** level. Applicants must have a Ph.D., teaching expertise in pharmacology, and research interest preferably in immunology/infectious diseases. Candidates are expected to have or to quickly establish a funded research program. The Department of Basic Sciences is an interdisciplinary group of approximately 20 faculty members with a primary responsibility for instruction of dental students and residents in biological sciences. The UTHHSC is located in the Texas Medical Center, which provides excellent opportunities for collaboration. Additional information is available at [website: http://www.db.uth.tmc.edu](http://www.db.uth.tmc.edu).

Applicants should send curriculum vitae, statement of teaching and research interest, and names of three references to:

Dr. William Butler
Department of Basic Sciences
The University of Texas Dental Branch
6516 John Freeman Avenue, DBB 4.133
Houston, TX 77030

The deadline for applications is January 15, 2001. *The University of Texas, Houston Health Science Center, is an Equal Opportunity Employer and a nonsmoking environment. Women and minorities are encouraged to apply.*

PLANT ECOLOGY UNIVERSITY OF TORONTO AT SCARBOROUGH

The Division of Life Sciences, University of Toronto at Scarborough, invites applications for a **TENURE-TRACK POSITION** in plant ecology. Applicants must have a Ph.D. (or equivalent) and preferably one or more years of postdoctoral experience. The successful candidate will complement current research and teaching strengths in the Division and will be expected to take an active role in both undergraduate and graduate teaching and to develop a strong research program.

Interested applicants should submit complete curriculum vitae, a statement of research and teaching interests, three letters of recommendation (including comments on teaching ability and publications), and copies of recent reprints to: **Dr. Ron Dengler, Associate Chair, Biology, Division of Life Sciences, University of Toronto at Scarborough, 1265 Military Trail, Scarborough, Ontario M1C 1A4 Canada.** Closing date for applications is January 5, 2001. The appointment will be at the **ASSISTANT PROFESSOR** level, and salary will be commensurate with qualifications. The position will be effective July 1, 2001, subject to budget approval. *The University of Toronto is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, aboriginal persons, persons with disabilities, and others that may contribute to further diversification of ideas.*

ASSISTANT PROFESSOR TENURE TRACK PHYSIOLOGY


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



THE NEUROSCIENCES INSTITUTE SAN DIEGO, CALIFORNIA

The Neurosciences Institute, an independent, not-for-profit research institution dedicated to understanding the brain, is offering Associate Fellow positions for persons currently at the postdoctoral or assistant professor level who wish to have the opportunity to develop their own research programs unencumbered by other responsibilities for a period of 2-3 years before moving on to positions in academia, medicine or industry. The area is broadly defined in neuroscience, from molecular to systems, behavioral, cognitive and theoretical neuroscience, with encouragement to span more than one level. These positions will offer full salary and research support. Seventy percent of the effort in these positions will be devoted to the Associate Fellow's own research program, and thirty percent will be devoted to collaborative projects with other members of the Institute (see <http://www.nsi.edu> for descriptions of current projects and personnel). While there is an option for renewal, it is expected that Associate Fellows will move forward in their careers at the completion of their initial appointment, taking the research they have developed with them. Investigators with neural interests in allied disciplines (computer science, engineering, physics, evolutionary or population biology) are strongly encouraged to apply. Please send a CV, a description or proposal for your individual research program, and a statement of how your skills and interests may contribute to furthering the goals of the Institute through collaborative research to: **Research Director, The Neurosciences Institute, 10640 John Jay Hopkins Drive, San Diego, CA 92121.**

Antibacterial Research

 At the forefront of anti-infectives research is SmithKline Beecham Pharmaceuticals. A Post-Doctoral position exists within the Department of Anti-Infective Research. We are looking for an individual to carry out fundamental research into the mechanism of action of experimental anti-microbial compounds. You must have experience in molecular biology, biochemistry, and enzymology. Experience with gene expression and regulation is preferable, experience with anti-sense RNA is highly desirable. Responsibilities will also include the identification of essential targets and elucidating the mode of action of anti-microbial compounds.

SmithKline Beecham is dedicated to an innovative workplace and supports you with career long opportunities and learning. We offer a competitive benefits and compensation package. For immediate consideration, please apply online at www.sb.com/careers, indicating Ad Code: 2K1302 (ASCII text required). You may also send your scannable resume, which must include Ad Code, to: SmithKline Beecham, c/o National Resume Processing, Ad Code: 2K1302, P.O. Box 1070, Burlington, MA 01803. Principals only, no agencies, please.

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Joint Center for Structural Genomics

The Scripps Research Institute/Genomics Institute of the Novartis Research Foundation, Stanford University/Stanford Synchrotron Radiation Laboratory, and University of California, San Diego/San Diego Supercomputer Center along with collaborators from several other institutes have formed the Joint Center for Structural Genomics (JCSG). The main goal of the Center is to advance automated high-throughput methods for all stages of macromolecular structure determination including target selection, protein expression, purification, crystallization, crystal manipulation, structure determination and data management. Teams of experts are being assembled for each phase: Bioinformatics (UCSD/SDSC), Crystallomics (TSRI/GNF) and Structure Determination (SSRL). Target selection will focus on novel cell signaling proteins from *C. elegans*, human, mouse and *Drosophila*. The center is funded by the NIH-NIGMS Protein Structure Initiative (<http://www.nigms.nih.gov/funding/psi.html>).

The JCSG is currently seeking experienced, highly skilled protein biochemists, X-ray crystallographers, molecular biologists, engineers, scientific software developers, scientific/technical programmers and technical support personnel.

Please visit our Web Site <http://www.jcsg.org> for further information and current job opportunities or contact one of the Core Leaders or Dr. Ian Wilson, The Scripps Research Institute, wilson@scripps.edu.

Bioinformatics Positions: Research and Database Programmers, Project Scientist and Computer Resource Specialist. Responsibilities: Target selection, information management, structure validation and post-structural analysis. Database Programmers will be specialists in ORDBMS. Programmers need experience in computational science and numerical analysis. Project Scientists need a background in molecular biology/biochemistry and proficiency in computational methods of sequence, structure, pathway and other analytical methods. Core Leader: Dr. Shankar Subramaniam, shankar@sdsc.edu.

Crystallomics Positions: Research Technicians. Responsibilities: Protein expression, purification, crystallization, imaging and data entry and management. Experience in either X-ray crystallography, molecular biology or protein biochemistry required. Core Leader: Dr. Raymond Stevens, stevens@scripps.edu.

Structure Determination Positions: Staff Scientist, Sr. Scientific Software Developer, Beam Line Engineering Physicist, Electrical Engineer and Technical Management Administrator. Responsibilities: Establish a high-throughput pipeline for structure determination from initial crystal characterization to structure solution. Development of new methods and technology for automated structure determination and robotic crystal handling. Core Leader: Dr. Peter Kuhn pkuhn@ssrl.slacstanford.

POSITIONS OPEN

FACULTY POSITION ANESTHESIOLOGY/PHARMACOLOGY

The Departments of Anesthesiology and Pharmacology at the Creighton University Medical Center at Saint Joseph Hospital invite applicants for a tenure-track position at the level of **ASSISTANT PROFESSOR**. Applicants must have an M.D. or D.O. degree and be Board eligible/Board certified in anesthesiology and eligible for Nebraska medical licensure. This position includes resident/medical student education at Saint Joseph Hospital in Omaha, Nebraska. The candidate will be expected to conduct independent research in analgesic and/or anesthetic pharmacology; candidates must have experience in this area. Preference will be given to those candidates who also have a Ph.D. degree. Postdoctoral research experience is required. The faculty member will be expected to support research by extramural funding as well as show proficiency in teaching. Current research interests in the Department of Pharmacology include cardiovascular, renal, and exocrine pharmacology; adrenergic receptors; and molecular pharmacology. Send an outline of future research plans, curriculum vitae, and the names of three references to: **Robert J. McQuillan, M.D., Associate Professor and Chair, Department of Anesthesiology, Creighton University School of Medicine, Saint Joseph Hospital, 601 North 30th Street, Omaha, NE 68131.** *Creighton University is an Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITIONS IN NEUROSCIENCE UNIVERSITY OF VIRGINIA

The Department of Neuroscience at the University of Virginia is seeking to recruit an **ASSOCIATE** and a **FULL PROFESSOR**.

The ideal candidate will have a Ph.D. with a background in one of the following areas: neuroendocrinology, neurodevelopment, or epilepsy. In addition to establishing a working laboratory, the faculty member will be expected to teach in graduate and medical school courses as well as mentoring graduate students.

Applicants should submit curriculum vitae, which includes a summary of current research activities, and the names and telephone numbers of three references to:

**Faculty Search Committee
c/o Kevin Lee, Ph.D., Professor
Department of Neuroscience
University of Virginia Health System
P.O. Box 801392
Charlottesville, VA 22908**

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

GENETICS, ASSISTANT PROFESSOR, tenure-track. The Department of Biology of Rollins College invites applications for a tenure-track position at the rank of Assistant Professor. Rollins College is a liberal arts institution with 2,840 full-time equivalency students. The appointment (to begin 2001) is for a Geneticist who works with plant, animal, or microbial systems who would (1) develop a laboratory-based, upper-division modern genetics course; (2) institute a program of research that would engage undergraduate students; (3) participate in the general biology sequence; (4) develop a general education science course for nonmajors; and (5) develop an upper-division course in evolutionary biology and other upper-division courses in an area of interest. Required: Ph.D., potential for excellence in teaching, and a genuine interest in educating undergraduate students. The Department has well-equipped general laboratories, specialized molecular/cellular biology facilities, and a modern greenhouse. Send statement of teaching philosophy, statement of current and future research plans, curriculum vitae, academic transcripts, and three letters of recommendation to: **Dr. Judy Schmalstig, Chair, Department of Biology, Rollins College, Winter Park, FL 32789-4499.** Review of applicants will begin December 1, 2000. *Rollins is a nondiscriminatory/Equal Opportunity Employer.*

POSITIONS OPEN

EXERCISE BIOLOGIST

The Division of Biological Sciences, University of California, Davis, invites applications and nominations for two positions in exercise biology. One is a tenure-track position at the **ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR, or PROFESSOR** level, and the other at the level of **ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR** as appropriate to the candidate's qualifications. These positions will be in the Exercise Biology program with a joint appointment in the Section of Neurobiology, Physiology, and Behavior. A Ph.D. (or equivalent) and postdoctoral experience are required. Candidates must have an outstanding record of research achievement and will be expected to develop a strong research program in exercise biology. Particular attention will be afforded candidates who employ mechanistic perspectives while addressing important issues in exercise biology. The successful candidates will be expected to teach undergraduate and graduate-level courses in exercise biology and participate fully in the teaching and advising programs coordinated by the Divisions of Biological Sciences and Graduate Studies. A senior appointee (Associate Professor or Professor) would be expected to take a leadership role within the Exercise Biology program. Applications should include (1) curriculum vitae (with e-mail address); (2) statement of current and proposed research interests; (3) three relevant reprints; (4) statement of teaching experience/interests; and (5) names, telephone numbers, and addresses (postal and e-mail) of at least three references. Candidates should also arrange to have their reference letters mailed directly to the Committee Chair. All materials should be sent to: **Charles A. Fuller, Chair, Exercise Biology Search Committee, Exercise Biology Program, University of California, One Shields Avenue, Davis, CA 95616-8674.** Closing date: open until filled, but all materials must be received by December 1, 2000, to be assured of full consideration.

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

The Department of Psychology at Brown University seeks to hire a **FULL PROFESSOR** with tenure to be **CHAIR OF THE DEPARTMENT**. Candidates must have excellent teaching skills; a distinguished research record with evidence of successful leadership for an era in which affective neuroscience will play a prominent role in psychology, cognitive science, neuroscience, and medicine; leadership abilities that will strengthen programmatic links to the Departments of Neuroscience, Cognitive and Linguistic Sciences, and Psychiatry and Human Behavior; and a strong desire to actively participate in the undergraduate and graduate programs in psychology and in cross-departmental educational programs.

The individual should have research interests in affective neuroscience or motivated behavior (broadly defined) with focus, for example, on emotion, attention and arousal, behavioral pharmacology, behavioral endocrinology, homeostasis and biorhythms, the neural basis of psychopathology, and learning and memory. The methodological approach is open and might include developmental, physiological, pharmacological, or imaging approaches.

The charge will be to build the Department's strength in affective neuroscience. Accordingly, responsibilities will include rebuilding the faculty subsequent to a series of recent retirements and participating in the renovation of the Walter S. Hunter Laboratory of Psychology.

Interested applicants should provide a résumé, a list of five references, selected reprints, evidence of extensive teaching skills, and a narrative describing their goals and vision for the Department. Nominations are encouraged. Deadline for applications/nominations: February 15, 2001. Send to: **Search Committee, Brown University, Department of Psychology, P.O. Box 1853, Providence, RI 02912.** *Brown University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are strongly encouraged to apply.*

POSITIONS OPEN

MICROBIOLOGY UNIVERSITY OF TEXAS

The Department of Basic Sciences, University of Texas, Houston Health Science Center, Dental Branch, invites applications for a full-time, tenure-track faculty position at the **ASSISTANT/ASSOCIATE PROFESSOR** level. Applicants must have a Ph.D., teaching expertise in microbiology, and research interest preferably in immunology/infectious diseases. Candidates are expected to have or to quickly establish a funded research program. The Department of Basic Sciences is an interdisciplinary group of approximately 20 faculty members with a primary responsibility for instruction of dental students and residents in biological sciences. The UTHHSC is located in the Texas Medical Center, which provides excellent opportunities for collaboration. Additional information is available at **website: <http://www.db.uth.tmc.edu>.**

Applicants should send curriculum vitae, statement of teaching and research interest, and names of three references to:

**Dr. William Butler
Department of Basic Sciences
The University of Texas Dental Branch
6516 John Freeman Avenue, DBB 4.133
Houston, TX 77030**

The deadline for applications is January 15, 2001. *The University of Texas, Houston Health Science Center, is an Equal Opportunity Employer and a nonsmoking environment. Women and minorities are encouraged to apply.*

Wesleyan University invites applications for a senior-level faculty appointment for a newly endowed **CHAIR** with external programmatic funding in environmental studies. The successful applicant will have a leading role in developing a program of national distinction building upon the existing Environmental Studies Certificate program with strengths in earth and environmental sciences, biology, economics, government, philosophy, and English. Responsibilities will include developing and directing the program, creating and teaching new interdisciplinary courses at the undergraduate level, and maintaining an active program of scholarly research. The successful candidate will be either a Natural Scientist who combines an established research record in his/her discipline with substantial experience in the area of public policy or a well-established Social Scientist with experience at the interface of the social and natural sciences. Issues of particular interest include global climatic and environmental change, biodiversity, and sustainable development. Rank and salary are negotiable according to qualifications. Please send a letter of interest, curriculum vitae, and contact information of three references to: **Johan C. Varekamp, Earth and Environmental Sciences, 265 Church Street, Wesleyan University, Middletown, CT 06459.** E-mail: **jvarekamp@wesleyan.edu.** *Wesleyan University values diversity and is an Equal Opportunity Employer.*

ASSISTANT PROFESSOR HUMAN BIOLOGY

Tenure-track position in human biology at the University of Wisconsin-Green Bay for fall 2001. Teaching responsibilities: human physiology, introduction to human biology, and an upper-level course in specialty area. Candidate must have a Ph.D. by August 2001 in physiology/related field. Candidate should be broadly educated in biology and committed to directing undergraduate research. Undergraduate teaching/postdoctoral experience desirable. First screen November 30, 2000; position open until filled. Submit letter of application, curriculum vitae, transcripts (undergraduate and graduate), and three current letters of reference to: **Dr. James Marker, University of Wisconsin-Green Bay, 2420 Nicolet Drive, Green Bay, WI 54311.** Telephone: 920-465-2230; FAX: 920-465-2769; e-mail: **markerj@uwgb.edu.** Names of applicants may be disclosed unless requested otherwise. Names of finalists will be released. *University of Wisconsin-Green Bay is an Affirmative Action/Equal Opportunity Employer.*

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SENIOR PROFESSIONAL, NEUROSCIENCE

Allergan, a technology driven, global healthcare company, is a leader in developing/commercializing products in the pharmaceutical, ophthalmic surgical device, movement disorder and dermatological markets. Our strong commitment to R&D has created an opportunity in our Biological Sciences department.

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Requires an MS plus 2 years post grad experience or BS plus 4 years experience in laboratory research, including 2 years experience with patch-clamp recording from *in vitro* tissue slices. Must have knowledge of experimental physiology/neuroscience, as well as ability to perform calculations and basic statistical analysis of experimental data. Working knowledge of common lab instruments, PC-based data management and word processing is necessary. Good interpersonal and verbal/written communication skills are essential.

We offer competitive compensation and supportive management. Please forward resumes to cowley_colleen@allergan.com AND resume@allergan.com. To find out more about our job opportunities visit www.allergan.com. An Affirmative Action Employer M/F/D/V



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Faculty Position, Virus-Host Interactions

As part of a new initiative in the Biological Sciences at the University of Maryland at College Park, the Department of Cell Biology and Molecular Genetics invites applications for a tenure-track faculty position in the area of Virus-Host Interactions. The rank for this appointment is open, with senior candidates expected to have achieved national and international stature. Applicants should have an earned doctorate degree in an appropriate area of Biology or Chemistry, at least two years of postdoctoral experience, evidence of significant research accomplishments and a commitment to excellence in teaching. Salary and start-up package are competitive and commensurate with experience. The successful applicant will be expected to direct a competitively funded research program focused on the interaction between viruses and any eukaryotic host. All faculty members of the Department also participate in the instructional programs at both the undergraduate and graduate levels. Researchers using a cell biology approach (e.g., intracellular and intercellular trafficking; signal transduction; host defense mechanisms; cellular aspects of virus replication) are particularly encouraged to apply. The successful applicant will join a dynamic and highly interactive group of virologists on the University of Maryland campus working on animal, plant and fungal hosts, with opportunities for additional interactions at nearby NIH and USDA Beltsville Agricultural Research Center. We have recently established a shared microscopy facility for high-performance imaging with state-of-the-art instrumentation. College Park is the flagship campus of the University of Maryland System, and is located in the Baltimore-Washington DC corridor within easy access of a large number of educational and governmental institutions. Additional information about the Department can be found at our web site: <http://www.life.umd.edu/CBMG>. Applications should be received by December 15, 2000 to receive full consideration, but the search will continue until the position is filled. Materials, including a letter of application, *curriculum vitae*, statements of research and teaching interests, and the names and addresses of four references should be directed to:

Dr. Anne E. Simon, Chair
Virus-Host Interaction Search Committee
Department of Cell Biology and Molecular Genetics
Microbiology Building
University of Maryland
College Park, MD 20742

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Merck Research Laboratories, a division of Merck & Co., Inc., and a world leader in the development of pharmaceutical and biological products, currently has an excellent career opportunity available at our Pharmaceutical Research and Development Department for a Senior Research Biochemist and a Research Biochemist/Biologist at our **West Point, PA** location (only 25 miles NW of Philadelphia).

SENIOR RESEARCH BIOCHEMIST

The successful candidate will apply biochemical and biophysical principles to the experimental characterization of proteins and viral vectors. Characterization of vaccine physical, chemical and immunological integrity will be emphasized, as well as compatibility with a variety of adjuvants and delivery systems.

The position requires a Ph.D. in biochemistry, biology, chemistry or a related field with postdoctoral experience. Preferred candidates will have demonstrated excellent academic performance and possess a strong experimental research background.

RESEARCH BIOCHEMIST/BIOLOGIST

The successful candidate will design and implement stability-indicating assays to evaluate the physical, chemical and immunological integrity of proteins or viral vectors combined with various adjuvants and delivery vehicles.

The position requires a B.S. or M.S. degree in biochemistry, chemistry, biology or a related field. Preferred candidates will have demonstrated excellent academic performance and possess research experience in an industrial or academic laboratory.

We offer a comprehensive salary and benefits package, including one of the nation's best 401(k) plans, as well as opportunities for professional growth. To be considered, please submit your resume and cover letter (including college GPA and the names of three references), to: **Personnel Manager, PAF Code: XHXMRSMKH10027, MRL Human Resources WP42-2, Merck Research Laboratories, P.O. Box 4, West Point, PA, 19486.** Qualified candidates selected for interviews will be contacted. We are an Equal Opportunity Employer, M/F/D/V.



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POSITIONS OPEN

DEVELOPMENTAL NEUROBIOLOGIST TENURED FACULTY POSITION Emory University School of Medicine

The Department of Cell Biology invites applications from established Developmental Neurobiologists for a tenured faculty position at the **ASSOCIATE** or **FULL PROFESSOR** level. We are particularly interested in candidates using a genetic model system, but people in all contemporary areas of developmental neurobiology will be considered. Six new investigators, including a new Chair, have joined the Cell Biology Department within the past four years. The Department is also part of an extensive network of Emory Neuroscientists. In the fall of 2001, Cell Biology and several other basic science departments will relocate into a new research building with state-of-the-art facilities. For more specific questions, contact us at e-mail: search@cellbio.emory.edu. Interviews will be held beginning in January 2001. Interested applicants should send their curriculum vitae, a brief description of their future plans, the names and address of three references, and representative reprints to: Kevin Moses, Ph.D., Chair, Faculty Search Committee, Department of Cell Biology, Emory University School of Medicine, 1648 Pierce Drive, Atlanta, GA 30322-3030.

Equal Opportunity/Affirmative Action Employer. Women and members of underrepresented racial and ethnic groups are encouraged to apply.

FACULTY POSITION NEUROTOXICOLOGY

The Department of Pharmacology invites applications for a tenure-track faculty position at the level of **ASSISTANT PROFESSOR** in the area of neurotoxicology. Minimum requirements: Ph.D. degree in pharmacology, toxicology, or a related field and at least two years of postdoctoral experience. Preference will be given to applicants who use molecular approaches to study the neurotoxic mechanisms of drugs and/or nondrug chemicals. The successful candidate will be expected to develop/maintain an extramurally funded research program, teach neuropharmacology to medical students, participate in graduate education, and contribute to the service activities of the Department. Additional information about the Department can be found at website: <http://meb.marshall.edu/pharm/>. Applications will be accepted until the position is filled. Send curriculum vitae; statement of research interests; and the names, addresses, and e-mail addresses (if available) for three references to: Dr. Monica A. Valentov, Chair, Faculty Search Committee, Department of Pharmacology, Joan C. Edwards School of Medicine, Marshall University, 1542 Spring Valley Drive, Huntington, WV 25704-9388; e-mail: valentov@marshall.edu. Marshall University is an Equal Opportunity/Affirmative Action Employer.

ORGANISMAL BIOLOGY: PHYSIOLOGY

Duke University's Department of Biology seeks a Biologist with a vigorous program of research on integrative organismal function to fill a tenure-track position as **ASSISTANT PROFESSOR** starting in September 2001. The successful candidate will be expected to teach a course in comparative animal physiology to undergraduates and a graduate course in his/her own discipline.

Applicants should send (1) curriculum vitae, (2) a statement of research interests, (3) a statement of teaching experience and interests, (4) up to three reprints, and should (5) arrange for three letters of reference to be sent to:

Organismal Biology/Physiology Search
Biology Department
Box 90338
Duke University
Durham, NC 27708-0338

For more information on the Department, see website: <http://www.biology.duke.edu>. Completed applications received by 1 December 2000 will be assured consideration. Duke University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

TWO NEW ASSISTANT PROFESSORSHIPS DEPARTMENT OF BIOLOGY The University of North Carolina at Greensboro

Two new tenure-track positions available starting August 1, 2001, in genomic analysis and signal transduction.

Candidates for the first position are expected to have research interests in genomic analysis which may include but are not limited to such areas as gene expression, bioinformatics, evolution of development, genome variation, phylogenetics, and quantitative genetics.

Candidates for the second position should have research interests within the broad area of signal transduction, which may include but are not limited to emerging areas such as transduction of xenobiotics, toxicants, and nutrients, or more traditional topics including transduction dynamics, ligand-receptor interactions, neural and endocrine signaling, chemical sensing, and the coordination of development.

Candidates for both positions may work on any organism. Applicants should have active research programs and an interest in undergraduate and graduate teaching. The University and the Department of Biology are committed to the continued development of a strong research environment. Faculty who fill these positions will receive competitive start-up packages and laboratory space and will have the opportunity to contribute to campus research initiatives in genomics and biotechnology.

Please send curriculum vitae; statements of research plans; and teaching interests/philosophy, representative reprints, and three letters of reference by December 1, 2000, to: Dr. Robert Cannon for the Signal Transduction Search or Dr. Malcolm Schug for the Genomic Analysis Search at Department of Biology, University of North Carolina at Greensboro, P.O. Box 26174, Greensboro, NC 27402-6174. Please visit our website: <http://www.uncg.edu/bio/> to learn more about us. *Equal Employment Opportunity/Affirmative Action; Women/Minorities/Veterans/Disabled.*

FACULTY MEMBER BIOANALYTICAL CHEMISTRY CHEMISTRY AND BIOCHEMISTRY University of Delaware

The Department of Chemistry and Biochemistry invites applications for a tenure-track position at open rank in bioanalytical chemistry effective September 1, 2001. Requirements: Ph.D. in chemistry or a closely related area is essential. The research area can be in any area of bioanalytical chemistry, broadly defined, that complements the expertise of the current faculty. For applicants seeking appointment at the **ASSISTANT PROFESSOR** level, postdoctoral experience is an asset. For those seeking more senior appointments, evidence of an active nationally or internationally recognized research program is essential. Exceptionally well-qualified applicants for the rank of **PROFESSOR** may be considered for the Bennett Chair of Analytical Chemistry, a newly endowed professorship in the Department. Duties: The successful candidate will be expected to teach effectively at all levels and to establish a well-funded, vigorous research program in the Department. Interaction with the new Delaware Biotechnology Institute is strongly encouraged. Contact: Junior applicants must submit curriculum vitae, a detailed description of the research program proposed, and must arrange to have three letters of recommendation sent on their behalf. Candidates for this position at a senior level must submit curriculum vitae and a letter of interest with a summary of their current research efforts, publications, and funding and should provide the names of three references. Send all materials to: Professor Steven Brown, Chair, Department of Chemistry and Biochemistry, University of Delaware, Newark, DE 19716. Review of applications will commence on October 30, 2000, and will continue until the position is filled.

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

POSITIONS OPEN

FACULTY MEMBER ORGANIC CHEMISTRY CHEMISTRY AND BIOCHEMISTRY University of Delaware

The Department of Chemistry and Biochemistry invites applications for a tenure-track position at open rank in organic chemistry effective September 1, 2001. Requirements: Ph.D. in chemistry or a closely related area is essential. The research area can be in any area of organic chemistry, broadly defined, that complements the expertise of the current faculty. For applicants seeking appointment at the **ASSISTANT PROFESSOR** level, postdoctoral experience is an asset. For those seeking more senior appointments, evidence of an active nationally or internationally recognized research program is essential. Duties: The successful candidate will be expected to teach effectively at all levels and to establish a well-funded, vigorous research program in the Department. Interaction with the new Delaware Biotechnology Institute is strongly encouraged. Contact: Junior applicants must submit curriculum vitae, a detailed description of the research program proposed, and must arrange to have three letters of recommendation sent on their behalf. Candidates for this position at a senior level must submit curriculum vitae and a letter of interest with a summary of their current research efforts, publications, and funding, and should provide the names of three references. Send all materials to: Professor Steven Brown, Chair, Department of Chemistry and Biochemistry, University of Delaware, Newark, DE 19716. Deadline: Review of applications will commence on October 30, 2000, and will continue until the position is filled.

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

PALEOECOLOGY ASSISTANT PROFESSOR UNIVERSITY OF MINNESOTA

The Department of Ecology, Evolution, and Behavior announces a nine-month, tenure-track **ASSISTANT PROFESSORSHIP** in paleoecology with a strong biological emphasis. Examples of appropriate research areas include fossil pollen, wood, algae, invertebrates, and molecules.

The successful candidate will be expected to maintain an extramurally funded research program addressing basic questions in paleoecology and contribute to the Department's teaching and service missions. Information about the Department and paleoecology at the University can be found at website: <http://biosci.cbs.umn.edu/ceb/>. Minimum academic preparation and experience: Ph.D. or equivalent in the life or environmental sciences and demonstrated research expertise in paleoecology. Desired academic preparation: one or more years of postdoctoral research and experience in undergraduate or graduate teaching.

The committee will begin its review of applications 1 December 2000. Applications should include (1) a letter of application, (2) curriculum vitae, (3) statement of research and teaching interests, and (4) up to three publications. In addition, the applicant should arrange for three letters of reference to be sent to: Paleoecology Search, Department of Ecology, Evolution, and Behavior, University of Minnesota, 1987 Upper Buford Circle, 100 Ecology Building, St. Paul, MN 55108.

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

ONE-SEMESTER POSITION (SPRING 2001)

Wheaton College Department of Biology seeks an individual to teach **CHORDATE ANATOMY and EVOLUTION**. Ph.D. or near-completion of Ph.D. required. Send curriculum vitae and cover letter to: Dr. Scott Shumway, Department of Biology, Wheaton College, Norton, MA 02766. Deadline: November 13, 2000. *Equal Employment Opportunity/Affirmative Action Employer.*

PSYCHOGENICS

PsychoGenics, a dynamic biotechnology company located in the northeast U.S., employs functional genomics strategies to validate targets for and develop novel models of CNS disorders. PsychoGenics' goal is to integrate molecular biology and behavioral and neurobiological science in order to bring CNS drug discovery into the postgenomic era. PsychoGenics has several exciting opportunities.

■ Director of Behavioral Pharmacology.

Will develop and supervise the use of existing and novel mouse models of CNS disorders. The successful candidate must be experienced in pharmaceutical research, as s/he will also be heavily involved in PsychoGenics' business development efforts including collaborations and contract research with PsychoGenics' pharmaceutical clients and partners. This is a critical and highly visible position, reporting directly to the VP Research. Requires outstanding scientific skills and good writing ability.

■ Research Scientists and Associates - Behavior.

Will apply state-of-the-art methods to study the behavioral and psychopharmacological characteristics of normal and genetically altered mice. Several positions are available for PhD (postdoc or research scientist) or BS / MS trained personnel. All positions require a minimum of 2-3 years' relevant in vivo experience plus computer proficiency.

At PsychoGenics you'll enjoy a competitive compensation package while working in an exciting environment that fosters scientific and personal development. If interested, feel free to stop by our booth at the Society for Neurosciences Annual Meeting (booth 119). Interested candidates should send or email their CV along with the names of three references to:

Human Resources - Code B

PsychoGenics, 4 Skyline Drive, Hawthorne, NY 10532

email careers@psychogenics.com

www.psychogenics.com

Faculty Position

The Department of Pediatrics and the Department of Physiology & Biophysics at the University of Colorado School of Medicine invite applications for a tenure-eligible faculty position at the Assistant or Associate Professor level. The applicant should have the Ph.D. and/or M.D. degree and postdoctoral research experience. Applicants will be considered who have research interests in the area of cystic fibrosis, including studies of the CFTR and airway development, defense and injury. The Department of Pediatrics has a strong clinical program in cystic fibrosis and is seeking to expand basic research related to this area. The Department of Physiology and Biophysics has active research programs in the complementing areas of ion channel biology and biophysics and in immune physiology. The School of Medicine is strongly research-based, with active Interdepartmental Programs in Biomolecular Structure, Cell and Developmental Biology, Immunology, Molecular Biology, and Neuroscience. The appointee will be expected to conduct vigorous independent research, participate in professional and graduate training, and provide research training to Pediatrics Fellows in the cystic fibrosis program.

Review of applications will begin in November 2000, but applications may be submitted at any time. The appointment may begin as early as Fall 2001. Salary is commensurate with experience. Applicants should send curriculum vitae and the names and telephone numbers of at least three references to:

Dr. Angeles B. Ribera
Chair, Faculty Search Committee
University of Colorado Health Sciences Center
Department of Physiology & Biophysics
4200 E. Ninth Avenue, Campus Box C240
Denver, CO 80262
FAX: (303) 315-8110
www.uchsc.edu/sm/physiol

The University of Colorado Health Sciences Center is committed to equal opportunity and affirmative action.

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Director BOTANIC GARDENS

Wellesley College, one of the nation's leading liberal arts colleges for women, is seeking a visionary Director for its Botanical Gardens. The Gardens include the 22-acre Alexandra Botanical Garden and Hunnewell Arboretum, as well as the 7,700-ft. Margaret C. Ferguson Greenhouses. The Gardens are home to an extraordinarily diverse and valuable living collection, which serves both the academic and public communities. The successful candidate will develop and administer a strategic master plan for the Gardens, provide leadership for the staff, seek outside support through grant writing, and communicate effectively with the college, volunteers and general public. Drawing upon this exceptional resource, the director will develop, promote and implement educational programs, which will serve both the academic and public communities. The Director will also teach a course in horticulture in the Department of Biological Sciences.

Requirements: Master's degree in the plant sciences (Ph.D. preferred) and 3+ years of relevant administrative and management experience. General knowledge of budget procedures. Strong communication skills. Integrated Pest Management (IPM) knowledge. Demonstrated record of successful teaching and research experience. Established records of grant writing and innovative programming.

If interested, send cover letter and resume to: Human Resources Office, Code: SC110/27, Wellesley College, Wellesley, MA 02481 or by email working@wellesley.edu. Applications will be accepted until the position is filled. Wellesley College is an AA/EEO employer.



Assistant/Associate Professor of Genetic Epidemiology or Population Genetics Harvard School of Public Health

The Harvard School of Public Health, Department of Environmental Health is looking for outstanding candidates for two faculty appointments. The faculty member will participate in a rapidly growing research program engaged in several ongoing large-scale population based studies to identify genetic and environmental factors and their interactions associated with complex diseases including: hypertension, nicotine addiction, asthma, osteoporosis, and reproductive health. Familiarity with resources in the genome project and strong statistical skills are required. The candidate will be expected to instruct graduate students and post-graduates and to work with a multidisciplinary international team of colleagues. Two faculty positions are available:

1. Genetic Epidemiology

The successful candidate is expected to have a strong background in genetic epidemiology with an emphasis in human populations, environmental epidemiology, gene-environment interactions, and a doctoral degree in genetic epidemiology or a related discipline. Applicants with research interests in cardiovascular disease, respiratory disease, reproductive health, osteoporosis, drug addiction, and pharmacogenetics are particularly encouraged to apply.

2. Population Genetics

The successful candidate is expected to have a doctoral degree with a strong post doctoral training record in human genetics, molecular, or cell biology. Applicants with research interests in positional cloning, genome wide screening, functional genomics, genomic cloning, and the genetics of complex traits are particularly encouraged to apply.

All applicants should send a letter of current and future research interests, curriculum vitae, and the names of three references to: **Chair, Search Committee for Assistant/Associate Professor of Genetic Epidemiology or Population Genetics, Program for Population Genetics, FXB - 101, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115.**

Harvard University is committed to increasing the number of women and minorities in its faculty and encourages applications from such candidates.

POSITIONS OPEN

FACULTY POSITION PLANT PHYSIOLOGY/DEVELOPMENT

The College of William and Mary invites applicants for a tenure-track position at the **ASSISTANT PROFESSOR** level in plant physiology and/or plant development. Teaching responsibilities will include a plant physiology course with laboratory, a large course in general botany to be taught in alternate years, and another course in the area of the candidate's expertise (perhaps plant development) to alternate with general botany. Candidates must possess skills in communicating with and motivating undergraduates in both large and small courses and must demonstrate the potential and motivation to achieve excellence in teaching. The successful candidate will be expected to maintain an extramurally funded research program involving both undergraduate and Master's-level students. Previous experience teaching undergraduate courses would be viewed favorably, and postdoctoral research experience is expected. Information on the College of William and Mary may be obtained at our website: www.wm.edu. Review begins January 5, 2001, and will continue until an appointment is made. Submit a letter of application, curriculum vitae, statements of research plans and teaching philosophy, and three names of references with contact information to: **Plant Physiology/Development Search Committee, Department of Biology, The College of William and Mary, P.O. Box 8795, Williamsburg, VA 23187-8795.** The College of William and Mary is an Equal Employment Opportunity/Affirmative Action Employer.

TENURE-TRACK FACULTY DRUG DELIVERY

The University of Wisconsin-Madison

The Division of Pharmaceutical Sciences in the School of Pharmacy, University of Wisconsin-Madison, is seeking candidates for a tenure-track **ASSISTANT PROFESSOR** position, but other levels will be considered for outstanding candidates. Candidates should have a Ph.D. in pharmaceuticals, biomaterials, chemical engineering, or physical chemistry and should have relevant postdoctoral research experience. Candidates will be expected to establish a strong research program in materials science related to aspects of drug delivery. The primary interest should be in generating mechanistic knowledge, preferably at the molecular level. Teaching responsibilities will include undergraduate and graduate courses. Please send curriculum vitae, a statement of research and teaching interests, selected reprints, and three letters of reference to: **Professor Glen S. Kwon, School of Pharmacy, University of Wisconsin-Madison, 425 North Charter Street, Madison, WI 53706-1515.** Applications must be received by February 31, 2001. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer and strongly encourages women and minorities to apply.

FACULTY POSITION IN GENERAL BIOLOGY

The Department of Biology, Middle Tennessee State University, invites applications for a tenure-track position (Number 103390), **ASSISTANT/ASSOCIATE PROFESSOR**. Doctorate required, starting August 2001. The successful applicant must have a broad biology background and a commitment to teaching nonmajors. Evidence of excellence in teaching essential. Demonstrated activity in instructional technology including online instruction required. Research and public service expected.

Review of applications will begin November 27, 2000. Send letter of application noting the position number (103390), transcripts, three letters of reference, and a statement of teaching philosophy to: **Dr. Michael Rutledge, Search Committee Chair, Box 60, Middle Tennessee State University, Murfreesboro, TN 37132.** E-mail: mrutledg@mtsu.edu. Visit our website: www.mtsu.edu. Equal Opportunity/Affirmative Action/Americans With Disabilities Act Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR of physiological genetics, horticulture, College of Agricultural Sciences, Penn State, University Park, Pennsylvania. This is a tenure-track, 12-month position with 75% research and 25% teaching responsibility in plant physiological genetics. The program goal should be to better understand the molecular genetic basis of important physiological traits in horticultural crops. Of particular interest are physiological characteristics related to stress tolerance or nutritional quality. The individual is expected to develop a nationally recognized, extramurally funded research program to elucidate mechanisms of genetic control of important physiological traits. The research is expected to complement our strengths in plant physiology and genetics, crop ecology, root biology, and the integrated crop management systems. The individual will be responsible for teaching an undergraduate course and coteaching a graduate course in an area of specialization and advising undergraduate and graduate students. Qualifications for the position include a Ph.D. in plant genetics, plant physiology, horticulture, or a closely related plant science discipline with training and/or experience in contemporary molecular techniques. Postdoctoral experience is highly desirable. Strong communication skills and experience and/or demonstrated potential in collaborative, interdisciplinary teamwork are needed. The starting date for this position is May 1, 2001, or as negotiated. Applicants should submit a letter of application, résumé, academic transcripts, and three letters of recommendation to: **Dr. Dennis Decoteau, Head, The Pennsylvania State University, Position Number: S-9020, Department of Horticulture, 103 Tyson Building, University Park, PA 16802.** Application closing date is February 28, 2001, or until a qualified candidate is identified. Affirmative Action/Equal Opportunity Employer.

ASSISTANT SCIENTIFIC EDITOR. Full-time, temporary 12-month exempt faculty position. Responsible for proofreading/editing scientific manuscripts, articles, and/or grant proposals; managing journal office; overseeing review and production process. Required qualifications: knowledge of standard English language, scientific editorial practices of chemistry, biochemistry, and plant molecular biology; computers/software, e-mail applications, and web browsers; ability to work independently. Baccalaureate degree in chemistry, biochemistry, or related field (advanced degree preferred); one year of editorial experience or equivalent; computer literacy. Salary: up to \$40,000 per year dependent on experience. Submit letter of application and current curriculum vitae along with the names, addresses, and telephone numbers of three current references to: **Norman G. Lewis, Regional Editor of North America and the Asias for Phytochemistry, P.O. Box 646340, Washington State University, Pullman, WA 99164-6340.** Review of applications will begin on November 15, 2000, and will continue until the position is filled. Washington State University is an Equal Opportunity Educator and Employer.

NORTHWESTERN UNIVERSITY

The Division of Rheumatology of Northwestern University is seeking an Investigator to fill a tenure-track **ASSISTANT PROFESSOR** position. This is a full-time, 12-month appointment. Successful candidates must have an M.D. or Ph.D. as well as an excellent research record in apoptosis and signal transduction in macrophages/monocytes and synovial fibroblasts. Current independent grant support is highly desirable. Salary will be commensurate with qualifications and experience. The proposed starting date is February 1, 2001. In order to ensure full consideration, applications should be received no later than December 1, 2000. Send curriculum vitae, a statement of research interests, and three references to: **Richard M. Pope, M.D., Northwestern University Medical School, Department of Medicine, 303 East Chicago Avenue, Chicago, IL 60611.** Northwestern University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

POSITIONS OPEN

TENURE-TRACK POSITION MOLECULAR NEUROSCIENCE/ NEUROPHARMACOLOGY

The Department of Pharmacology and Toxicology and Institute for Drug and Alcohol Studies at the Medical College of Virginia, Virginia Commonwealth University, invite applications for a tenure-track faculty position. Rank is open, and candidates will be considered based upon experience, qualifications, and potential for success. Applicants must have a Ph.D. or equivalent with at least two years of relevant postdoctoral or postgraduate experience. The successful applicant will also have an outstanding record of research accomplishments appropriate for his/her years of experience as judged by the quality and quantity of research and scholarly publications. The Department has consistently ranked in the top 10 NIH-funded pharmacology departments and is composed of over 40 tenure- and collateral-track faculty and 43 students pursuing Ph.D. and M.S.-degree training. The Department is also under new leadership and is entering a period of significant growth with generous resources available for faculty recruitment and development. Applicants should submit curriculum vitae and the names and addresses of three references by January 1, 2001, to: **Search Committee (FO 128), Virginia Commonwealth University, P.O. Box 980613, Richmond, VA 23298-0613.** Position description available upon request. VCU is an Equal Opportunity/Affirmative Action Employer and encourages women, minorities, and persons with disability to apply.

TWO FACULTY POSITIONS DEVELOPMENTAL NEUROBIOLOGY AND MOLECULAR GENETICS

The Department of Biology, Skidmore College, invites applications for two tenure-track **ASSISTANT PROFESSOR** positions beginning in fall 2001. Applicants must have a Ph.D. in biology or a related discipline, demonstrated potential for independent research, teaching experience, and interest in teaching undergraduates at a liberal arts and sciences institution. Postdoctoral experience is preferred. The Neurobiologist will teach developmental biology and neuroscience courses in our Biology and interdepartmental Neuroscience programs. The Molecular Geneticist will teach courses in molecular biology, molecular genetics, and microbiology. Teaching responsibilities for both positions also include nonmajors' laboratory science or interdisciplinary liberal studies course. Establishment of a strong research program that involves undergraduates is expected. Send curriculum vitae, statements of teaching and research interests, and three letters of recommendation to: **Dr. Monica Raveret Richter, Chair, Department of Biology, Skidmore College, Saratoga Springs, NY 12866.** Review of applications will begin on November 17, 2000.

Skidmore College encourages applications from women and men of diverse racial, ethnic, and cultural backgrounds.

SCIENTIST/SENIOR SCIENTIST

Commonwealth Biotechnologies Inc. (CBI) seeks an experienced Scientist to oversee its state-of-the-art DNA core laboratory. The candidate will supervise and perform DNA sequence analysis; genomic DNA and plasmid DNA purification; PCR, DNA/RNA/PNA synthesis, purification, and characterization; and small molecular biology projects. Strong organizational skills are required. Ph.D. or equivalent in biochemistry, molecular biology, or chemistry is required. We seek a strongly motivated individual with up-to-date bench and computer skills to lead a team-oriented laboratory.

CBI is a cutting-edge biotechnology company located in Richmond, Virginia. CBI offers an excellent benefits package. Send résumé including salary requirements and the names of three references to: **Director of Human Resources, Commonwealth Biotechnologies Inc., 601 Biotech Drive, Richmond, VA 23235.** E-mail: hr@cbi-biotech.com; FAX: 804-648-3820. Please reference Position MB0060.

RIKEN BRAIN SCIENCE INSTITUTE, JAPAN

Two Laboratory Heads



Applications invited for two laboratory heads in the Neuronal Function Research Group at BSI (RIKEN)

The Institute of Physical and Chemical Research (RIKEN) established the Brain Science Institute (BSI) in October 1997 to promote three strategic research areas: "Understanding", "Protecting" and "Creating" the brain. The Neuronal Function Research Group is a cornerstone of "Understanding the Brain". During the first phase, it has established a unique tradition of research at the interface between cell biology and neuroscience—applying cellular/molecular techniques to elucidate complex neural systems (Olfaction: Drs. Mori, Yoshihara; Cerebellum: Drs. Kano, Yano; Vision: Dr. Hensch).

To promote research in the next five-year term, the Neuronal Function Research Group will establish two new teams with a similar multidisciplinary perspective in closely related but distinct fields. Candidates interested in pursuing the following areas will be preferred:

- (1) Local circuit interactions (e.g. electrophysiology or imaging of neural network activity in slices/cell culture)
- (2) Circuits underlying specific behavior (e.g. learning, audition, sleep, critical period plasticity)

A major focus of our work involves gene-targeted animal models, which will serve as a basis for collaboration. More information about the Institute and RIKEN in general can be seen on the web site: <http://www.riken.go.jp>.

New laboratory heads will be required to organize a team of 5 - 10 researchers and technical staff and will be provided with full support for 5 years. Progress review by an international review committee occurs every 5 years with the possibility of contract renewal. Applications are encouraged from outside Japan, but researchers must be willing to work at BSI full time. A strong desire for interaction with the 37 teams at BSI is essential. Applicants should send a full CV listing all publications with a statement of research interests and project proposal at BSI (max 2000 words), plus names and addresses of three referees to:

Search Committee (14)
Brain Science Institute
RIKEN, 2-1 Hirosawa, Wako-shi, Saitama 351-0198
JAPAN
Fax: +81-48-462-4796.
e-mail: search14@brain.riken.go.jp

Deadline: March 15, 2001. For further information, please contact the search committee (14)

MEETINGS

GLOBAL ALLIANCE FOR TB DRUG DEVELOPMENT

FUNDING OPPORTUNITIES

Last February in Cape Town, South Africa, 120 representatives from academia, industry, major development agencies, non-governmental organizations, and donors from around the world gathered to discuss obstacles and opportunities for the development of new drugs for tuberculosis. The main outcome of the meeting was a commitment to create a Global Alliance for TB Drug Development during the year 2000. The Global Alliance's vision is to provide new medicines, accessible to all, for the treatment of tuberculosis.

MISSION STATEMENT

Accelerate discovery and development of cost-effective new TB drugs that will:

- Shorten the duration of TB treatment or otherwise simplify its completion,
- Improve the treatment of latent TB infection, or
- Be effective against MDR-TB

CALL FOR LETTERS OF INTEREST

The Global Alliance is currently seeking projects to support in tuberculosis drug R&D. The Alliance invites Letters of Interest from academic and industrial research groups (including pharmaceutical and biotechnology companies). Although projects in all phases of tuberculosis drug R&D are encouraged to submit Letters, the primary categories for consideration are:

- Tuberculosis drug discovery projects
- Tuberculosis drug development projects

Projects that include public-private partnerships and developing-country collaborations are strongly encouraged to apply. Please visit our Web site at www.tballiance.org for information required with Letters of Interest. The deadline for receipt of materials is December 15, 2000.

Please send Letters of Interest to:

The Global Alliance for TB Drug Development, 420 Fifth Avenue, 21st Floor,
New York, New York 10018, Attn: Di Eckerle

SURFACE PROCESSES/GLOBAL CHANGE

St. Lawrence University

The Geology Department at St. Lawrence University has an opening for a full-time, tenure-track position at the rank of assistant professor. We desire an individual with expertise in at least two of the following sub-disciplines: geomorphology, hydrogeology, oceanography, climate/global change, who will complement our existing strengths in petrology, sedimentology, structural geology, paleontology, tectonics, and stratigraphy. An appropriately qualified candidate may well have subsidiary interests in paleoclimatology and/or experience with GIS - both being of importance to us. We anticipate that this position could be of interest to a person with background in physical geography. We have a small, high quality, undergraduate program that emphasizes both the field and laboratory aspects of the science and our students are commonly involved with faculty in research. The Adirondack Mountains, Canadian Shield, and the St. Lawrence Valley offer rich opportunities for study. A high percentage of majors advance to graduate programs. All faculty in the department are involved in teaching introductory geology courses and we encourage participation in interdisciplinary university programs.

Applicants must have a Ph.D., demonstrated ability in teaching, and a proven research record in their specialty. A curriculum vitae, a letter of application expressing what the candidate feels she/he would contribute to the geology program at St. Lawrence, and three letters of recommendation should be sent directly to: **Dr. John Bursnall, Chair, Search Committee, Geology Department, St. Lawrence University, Canton, N.Y. 13617. Electronic submissions will not be accepted.** Processing of applications will begin February 1st, 2001, and all materials must be received by that time.

St. Lawrence University, chartered in 1856, is an independent, private, non-denominational university whose mission is to provide an inspiring and demanding education in the liberal arts to students selected for their seriousness of purpose and intellectual promise. See www.stlawu.edu. St. Lawrence University is an Affirmative Action/Equal Employment Opportunity employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

POSITIONS OPEN

THEORETICAL BIOLOGIST

The Department of Biology at the University of South Florida ([website: www.cas.usf.edu/biology](http://www.cas.usf.edu/biology)) is searching for a Theoretical Biologist to start August 2001. The opening is a nine-month, tenure-track **ASSISTANT PROFESSOR** position. The Department has a strong interactive group in ecology, genetics, and evolution. Individuals working at the interface of theory development and empirical application are strongly encouraged to apply. The successful candidate will be expected to establish an independent, externally funded research program and to teach at the undergraduate and graduate levels. Candidates must have a Ph.D. in biological sciences or related fields and a strong record of publication and research. Postdoctoral experience is preferred. Applicants should submit curriculum vitae, statements of current and future research and teaching interests, and have three letters of recommendation sent to: **Dr. Stephen A. Karl, Chair, Theoretical Biologist Search Committee, Department of Biology, University of South Florida, 4202 East Fowler Avenue, Tampa, FL 33620. Telephone: 813-974-1592.** All application materials, including letters of recommendation, must be received by November 30, 2000, for full consideration. *The University of South Florida is an Affirmative Action/Equal Access/Equal Opportunity Employer. Applications from women and minorities are encouraged. For disability accommodations, please call the contact listed in this ad for assistance. According to Florida law, applications and meetings regarding them are open to the public.*

ASSISTANT PROFESSOR VIROLOGIST

The Department of Biological Sciences, the Border Biomedical Research Center, and the Pathobiology Doctoral Program at the University of Texas at El Paso announce a tenure-track position in viral pathogenesis. Individuals who are working on the structural aspects of virology are especially welcome to apply. Candidates should have a Ph.D., postdoctoral experience, and a record of research productivity that demonstrates the potential to establish an externally funded research program. Salary and start-up funds are competitive. The Department has excellent molecular biology, tissue culture, and EM/confocal microscope research facilities. UTEP has an ongoing funded program with Stanford Synchrotron Radiation Laboratory (SSRL), which provides travel grants, access, technical assistance, and collaboration for students and faculty to perform X-ray experiments including protein crystallography. Applicants should have a strong commitment to teaching at both graduate and undergraduate levels. Send curriculum vitae, statements of teaching philosophy and research interests, selected publications, and the name of three references to: **Dr. Siddhartha Das, Search Committee Chair, Department of Biological Sciences, University of Texas at El Paso, El Paso, TX 79968-0519.** *The University does not discriminate on the basis of race, color, national origin, sex, religion, age, disability, or sexual orientation in employment or the provision of services.*

SENIOR RESEARCH ASSOCIATE

The Center for International Development at the John F. Kennedy School of Government and the Arnold Arboretum of Harvard University seek a candidate for a senior nonfaculty position in tropical forest ecology. The focus will be on research, but responsibilities will include coordination of established regional programs in Asia of the Arnold Arboretum in plant systematics and of CID with the Smithsonian Tropical Research Institute in sustainable forest management. Ability to collaborate in interdisciplinary and international teams is a prerequisite. The programs require strong interaction and guidance with graduate students. Candidates should have an established record of field research and scholarly publications in tropical forest ecology and/or systematics; experience in Asia will be an advantage. Applications with résumé and two references to: **P.S. Ashton, Arnold Arboretum, 22 Divinity Avenue, Cambridge, MA 02138.** Closing date: December 1, 2000.

POSITIONS OPEN

STRUCTURAL BIOLOGIST

The Division of Biological Sciences, University of California, Davis, invites applications for a tenure-track position at the level of **ASSISTANT PROFESSOR**. The appointment is in the Section of Molecular and Cellular Biology and includes an initial appointment in the Agricultural Experiment Station. Candidates must have a Ph.D. (or equivalent), have an outstanding record of achievement in research, and demonstrate potential for the development of a strong research program in structural biology. The Section, in collaboration with the Department of Chemistry, has recently established an excellent group of independent investigators in X-ray crystallography and NMR spectroscopy who are supported by state-of-the-art core facilities for structural biology and protein expression as part of the W. M. Keck Center for Structural Biology. The Section particularly wishes to build upon this progress by recruiting individuals who are investigating fundamental problems in biology at the next higher level of structure, including supramolecular assemblies, and may also use novel approaches in imaging (such as cryo EM and AFM) and single molecule dynamics. Successful candidates will be expected to teach biochemistry/molecular and cellular biology at the undergraduate and graduate levels. Candidates should submit curriculum vitae, a statement of current and proposed research, a statement of teaching experience and/or interests, and arrange to have three letters of recommendation sent to: **Chair, Structural Biology Search Committee, Section of Molecular and Cellular Biology, Division of Biological Sciences, University of California, Davis, CA 95616-8535.** Closing date: open until filled but all application materials including letters of recommendation must be received before December 15, 2000, to be assured of full consideration. *The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer with a strong institutional commitment to the development of a climate that supports equality of opportunity and respect for differences.*

ASSISTANT PROFESSOR MOLECULAR BIOLOGIST WRIGHT STATE UNIVERSITY

The Department of Biological Sciences at Wright State University invites applications for a tenure-track **ASSISTANT PROFESSOR** position in molecular biology. To best complement current strengths in our department, preference will be given to those specializing in immunology, toxicology, functional genomics, or cellular regulation. Candidates should have a Doctorate by the job start date and postdoctoral experience is preferred. We expect the successful candidate to establish an externally funded research program and to teach molecular biology core courses and an advanced specialty course. We offer undergraduate programs in biology, environmental health, exercise science, and medical technology; graduate programs in biology and environmental sciences; and a Ph.D. program in biomedical sciences. More information about the position and our department can be found at **website: <http://biology.wright.edu/BioSite/jobs/jobs.html>.** Applications, including curriculum vitae, three letters of recommendation, and statements of research and of teaching interests, should be sent to: **Molecular Biology Search Committee, Department of Biological Sciences, Wright State University, Dayton OH 45435-0001.** Review of applications will begin on December 1, 2000, and continue until the position is filled. *Wright State University is an Equal Opportunity/Affirmative Action Employer. Candidates from groups underrepresented in academic science are strongly encouraged to apply.*

CLINICAL RESEARCH ASSOCIATE wanted by developer of cancer prevention therapies to be responsible for implementation and management of clinical management sites. Must have B.S. degree in biology and six months of experience working with clinical trials in a pharmaceutical/biotechnology environment. Send résumé to: **Susan M. Little, Director of Human Resources, Cell Pathways, Inc., 702 Electronic Drive, Horsham, PA 19044.**

POSITIONS OPEN

STATISTICAL GENETICIST

The Departments of Statistics and The Department of Biological Sciences at the University of South Carolina seek applicants for a **TENURE-TRACK POSITION** in the area of statistical genetics. We are seeking a researcher engaged in developing innovative statistical methods for the analysis of genetic data, including such applications as the analysis of DNA sequence data, to address questions in population and evolutionary biology; the analysis of genomic sequence data; and the analysis of microarray data. The successful candidate is expected to establish an independent, externally funded research program and to teach at the undergraduate and graduate levels. Candidates will be considered at all levels. Primary appointment will be either in the Department of Statistics or the Department of Biological Sciences depending on the candidate's research and teaching interests, with the option of a secondary appointment in the other department. Applicants should submit curriculum vitae, statement of research and teaching interests, copies of selected publications, and three letters of recommendation either to: **Dr. James Lynch, Search Committee, Department of Statistics, University of South Carolina, Columbia, SC 29208** or to **Dr. Austin L. Hughes, Search Committee, Department of Biological Sciences, University of South Carolina, Columbia, SC 29208.** Review of applications will begin December 15, 2000. Information on the Departments can be found at the **websites: <http://www.stat.sc.edu> and <http://www.biol.sc.edu>.** *An Equal Opportunity/Affirmative Action Employer. Women and minority candidates are strongly encouraged to apply.*

SENIOR STAFF SCIENTIST: Responsible for developing and applying quantitative bioanalytical methods within drug metabolism and pharmacokinetics; profiling and identifying metabolites *in vivo* or *in vitro* samples. Use high-performance liquid chromatography or gas chromatography/mass spectrometry. Use liquid chromatography/mass spectrometry/mass spectrometry; use chromatography and spectrometry to analyze trace drug levels in biological fluids. Use PE Sciex and Finnigan instrumentation and software; use knowledge of high-throughput analytical procedures to determine *in vitro* drug stability and intrinsic clearance; perform qualitative applications such as metabolite profiling and identification. Use Zymark and Packard automated sample extraction systems in developing complex extraction and sample preparation procedures. Utilize PSS Watson laboratory information management systems. Utilize basic understanding of pharmacokinetics and toxicokinetics. Independently manage and direct analytical and structural chemistry aspects of adsorption, distribution, metabolism, and elimination. Requires M.S. in analytical chemistry and a minimum of 10 years of experience in bioanalytical methods development or application using high-performance liquid chromatography or gas chromatography/mass spectrometry and at least two years of working experience in liquid chromatography/mass spectrometry/mass spectrometry. Forty hours per week; salary commensurate with experience. Submit résumé to: **Box Number 96, 1200 New York Avenue, N.W., Washington DC 20005.**

POSTDOCTORAL POSITION in allergy and inflammation laboratory to study inhibitory cell surface receptors expressed on mast cells and other immune system cells (*JBC* 274:5791). Candidates should have a strong background in immunology and molecular biology. Send curriculum vitae and contact information for three references to: **Howard R. Katz, Ph.D., Harvard Medical School/Brigham and Women's Hospital, Division of Rheumatology, Immunology, and Allergy, 1 Jimmy Fund Way, Room 628A, Boston, MA 02115.** E-mail: hkratz@mbcrr.harvard.edu.

RESEARCH FELLOW

Biochemistry & Molecular Genetics

Join our dynamic team at the **Lindsley F. Kimball Institute** of the **New York Blood Center**. Currently, we offer an excellent opportunity in our Biochemistry and Molecular Genetics Department.

Responsibilities: This individual will provide research assistance to investigate the function of specific proteins, carrying blood group antigens and their impact on health, and disease. Other duties as required.

Requirements: MS Degree required; Ph.D. preferred. Lab experience with Biochemistry, Cell and Molecular Biology. Demonstrated experience in performing independent research.

We offer a competitive salary and benefits package. For immediate consideration, please Fax: (212) 468-2082, E-mail: careers@ccmail.nybc.org, or forward resume to: HR Dept-MK, New York Blood Center, 150 Amsterdam Avenue, New York, NY 10023. www.nybloodcenter.org. EOE M/F/D/V

Δ Lindsley F. Kimball

Research Institute

A Division of the New York Blood Center

EUROPEAN OPPORTUNITIES



**UNIVERSITY
OF BERGEN**

Post Doctoral position

Postdoctoral position (4 years) in experimental marine biology, for woman with recent PhD.

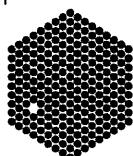
To qualify towards tenure, position entails limited administration and teaching, in Scandinavian within two years. Postdoc may choose affiliation with Dept. of Fisheries and Marine Biology, Microbiology, Molecular Biology, or Zoology.

Submit triplicate applications with CV, publications, references and research plan to: Univ. of Bergen, Mat-Nat Fak., POBox 7800, N-5020 Bergen, Norway, **before Nov. 20, 2000.**

Details from
Hilde.Lindtner@mnfa.uib.no

OCERO 12

EUROPEAN OPPORTUNITIES



EMBL

European Bioinformatics Institute (EBI)
Hinxton, nr Cambridge, UK

The European Bioinformatics Institute (EBI) is an outstation of the European Molecular Biology Laboratory (EMBL), an international research organisation with its Headquarters Laboratory in Heidelberg (Germany). Other EMBL outstations are situated in Grenoble (France) and Hamburg (Germany) and an EMBL Research Programme in Mouse Biology is situated in Monterotondo (Italy).

We are seeking applicants for the position of

DIRECTOR OF THE EBI (ref. 00/84)

The successful applicant will lead the EBI in an ambitious new phase of its development. After a period of financial uncertainty the EBI is scheduled to have access to substantially greater financial resources, internal and external, allowing it to develop fully as the premier bioinformatics centre in Europe. The EBI intends to expand substantially its research and advanced training activities in bioinformatics, complementing vibrant services centred on designing, constructing and providing major electronic databases to the international life sciences research community. The new directorship represents an exceptional opportunity in the burgeoning field of Bioinformatics.

The successful individual will combine an outstanding record of relevant research achievements with proven managerial and organisational capability. The EBI director will have a full-time appointment and will be responsible for further building up this leading institution and reinforcing its close interactions with other bioinformatics centres in Europe and the world. He/She will have special responsibility for developing a vibrant research training environment and, working together with the current joint head and coordinator of services, Graham Cameron, for further strengthening and expanding the services provided by the EBI.

Informal enquiries can be made to, and further information obtained from, the Director-General of EMBL (F.C. Kafatos) or the EMBL Scientific Coordinator (I. Mattaj) at kafatos@embl-heidelberg.de or mattaj@embl-heidelberg.de, respectively.

Closing date for applications: 20 December 2000. The appointment can begin at any time after that date by mutual agreement.

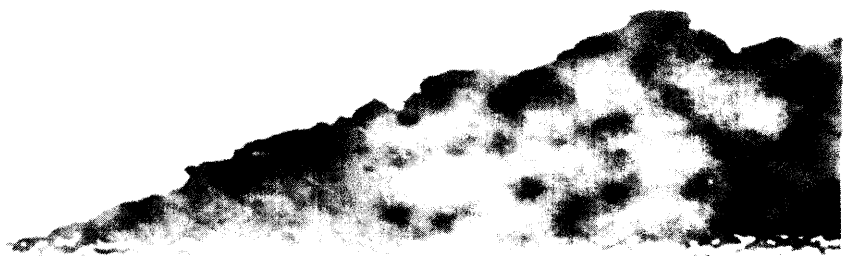
EMBL is an inclusive, equal opportunity organisation. By providing an exciting and stimulating research environment consisting of young, independent research groups it also provides access to outstanding graduate students and postdocs. The Laboratory provides financial help in relocating families and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

Applicants should submit a curriculum vitae, quoting reference no. 00/84, with a description of research interests and future plans, and should provide the names and contact information of three referees. Applications to be sent to:

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



Alderley Park,
Cheshire, UK



One of the world's top 5 pharmaceutical companies
over £5 million each day allocated to research and development
sales over £10 billion
provider of innovative products that improve human health and nutrition
45,000 employees in over 100 countries.

enabling the future of

Target Validation: Project Leader

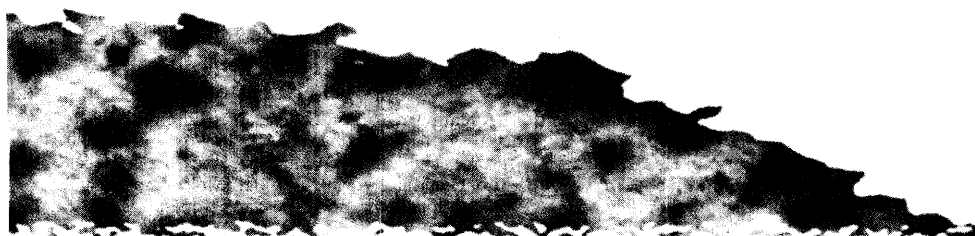
Ref. 6398BTVP

This senior role requires strong managerial skills, coupled with a hands-on approach. Experience of non-viral gene delivery to cell lines and primary cells is essential, while peptide chemistry experience and a background in cell biology, including the study of membrane function/dynamics and cellular import, is advantageous. Your main function will be the development of alternative delivery methods for antisense, PNA and proteins for Target Validation studies. You will have proven experience with methodologies for modulating gene function, such as antisense and dominant negatives, especially in disease relevant signalling pathways.

Target Validation: Scientific Leader

Ref. 6398BTVS

With responsibility for a dedicated team of research bioscientists, you'll be involved with dissection of signalling pathways, functional analysis of gene and protein function on cellular phenotypes, characterisation of novel genes and linkage to biological effect. You'll develop novel approaches to influence gene expression and protein function in disease-relevant cellular and animal models, and work closely with disease area researchers in developing tools to functionally validate candidate genes.



The Enabling Science and Technology (EST) department within AstraZeneca Discovery has been created to exploit the revolution in drug discovery triggered by recent advances in genetics, genomics and proteomics. Positioned alongside four comparably sized therapeutic research areas, the role of EST is to spearhead the introduction of new science and technologies that will create paradigm shifts in drug discovery. EST works closely with therapeutic area scientists, evaluating, developing and disseminating new approaches that will deliver the maximum benefit in the quest for high quality disease targets.

EST is seeking people with wide scientific experience who are ready to apply their skills to a diverse range of biological

and technical challenges. We are looking for highly motivated people with passion and enthusiasm - you'll be genuinely excited by the potential synergies that can be achieved between different research areas and sciences. And you won't be afraid to take risks either, confidently balancing at the leading edge of science and applying new findings to disease-relevant biological models and systems.

Typically, you will have proven experience in one of following therapy areas: CNS, Cardiovascular, Cancer & Respiratory and Inflammation, possess excellent communication and presentation skills, and be able to inspire and motivate your colleagues.

drug discovery

Functional Cloning: Scientific Leader

Ref. 6398BFCS

Leading a dedicated team of research bioscientists, your experience of identifying novel genes based upon gene function will enable you to develop advanced technologies to identify novel genes in disease-relevant signalling pathways. Experience with viral gene delivery technologies, gene expression, genetic analysis of cellular phenotypes, and functional characterisation of signalling pathways will be a significant advantage.

Mechanistic Research: Project Leader

Ref. 6398BMRP

Alongside solid managerial skills and a practical approach, this senior role requires a proven track record, including publication in relevant journals. Your experience of GPCR biology and its function in signalling and disease will enable you to motivate a research team studying the mechanism of GPCR signalling in disease progression. Areas of investigation would include dimerisation, allosterism, accessory molecule function, and mechanisms of desensitisation. You will be responsible for assessing and validating the mechanistic principles, whether discovered internally or externally, and judging their biological value as potential novel approaches.

Post-doctoral Scientist (two year fixed-term contract)

Ref. 6398BPDS

Whether poised to take your first step from academic research into this fast-evolving industry or looking for a progression in your career, you'll need experience and knowledge of signalling pathways, characterisation of novel genes, cell biology, and gene delivery.

To apply, please send your CV and covering letter, quoting the appropriate reference as given above, to BNB Response, 452 Bath Road, Slough, Berkshire SL1 6BB.

For further information about our organisation visit our website at www.astrazeneca.com

Closing date: 10 November 2000.

AstraZeneca 



POSITIONS OPEN

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

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

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

STAFF ASSOCIATE COLUMBIA UNIVERSITY

A Staff Associate position is available to join the Immunogenetics Division of the Department of Pathology at Columbia University. Requirements are basic skills in molecular and cell biology, experience working with genetically manipulated mice, experience with tissue culture and cellular immunology techniques (blastogenesis, cytotoxicity), and experience with organ transplantation in rodents. Ph.D., M.D., or M.S. or B.A. with four years of experience. Our work focuses on mechanisms of immunological tolerance and transplant rejection. Send curriculum vitae and names of three references to: **Dr. Nicole Suciu-Foca, Columbia University, P&S 14-401, 630 West 168th Street, New York, NY 10032.** *Columbia is an Equal Opportunity/Affirmative Action Employer.*

RESEARCH SCIENTIST

A newly funded position is available in the laboratory of **Joseph Y. Cheung, M.D., Ph.D., Senior Scientist**, to examine molecular mechanisms by which exercise training improves cardiac function. Current projects include the role of sarcoplasmic reticulum calcium regulatory proteins in exercise training-induced improvement in postinfarction hearts utilizing mutagenesis, transfection, protein chemistry, and biophysical approaches. A strong background in molecular biology and at least four years of laboratory experience are required. Qualified applicants should submit their curriculum vitae and the names of three references to: **Kristin Gaul (JYC), Weis Center for Research, 100 North Academy Avenue, Danville, PA 17822-2600.**

POSTDOCTORAL POSITION SIGNAL TRANSDUCTION AT FERTILIZATION

Hopkins Marine Station, Stanford University

New insights are provided by our recent finding that nitric oxide is necessary and sufficient for egg activation (see *Nature* 406:633-637). Research centers on downstream consequences of the nitric oxide increase using molecular probes, fluorescence image processing, and biochemical approaches. Two-year funding beginning February 2001. Contact: **Professor David Epel, Hopkins Marine Station, Pacific Grove, CA 93950.** E-mail: depel@stanford.edu with letter of interest and names of references. *Stanford University is an Equal Opportunity Employer.*

POSITIONS OPEN

FACULTY POSITIONS DEPARTMENT OF BIOMEDICAL AND HEALTH SCIENCES Grand Valley State University

The Department of Biomedical and Health Sciences is now recruiting for four tenure-track faculty to begin in the fall 2001 semester. Grand Valley State University is a state-supported university with a primary commitment to undergraduate education, both in the classroom and in the research laboratory. As such, we are seeking faculty who are committed to excellence in teaching and in research as a teaching tool for our students. For each position listed below, the successful candidate will have the appropriate Ph.D. or M.D. and have demonstrated teaching and research experience. Each is a nine-month position.

ASSISTANT/ASSOCIATE PROFESSOR, physiology (two positions): Individuals must be qualified to teach human physiology and accompanying laboratory courses at the undergraduate and graduate levels. Additional experience in any or all of the following areas considered desirable: anatomy, pathophysiology, pharmacology, aging.

ASSISTANT/ASSOCIATE PROFESSOR, microbiology: Individual must be qualified to teach microbiology, epidemiology, and public health courses at the undergraduate and graduate levels and will be expected to help implement a new microbiology emphasis in the Department.

ASSOCIATE PROFESSOR, clinical nutrition: Individual must be qualified to teach human nutrition and help develop a nutrition emphasis for the Department. The individual will develop a research program that involves undergraduate students and have demonstrated clinical, research, and teaching experience.

Interested candidates should submit a letter of intent describing their teaching philosophy and research interests, current curriculum vitae, and the names of three references to: **Miles Hacker, Ph.D., Chair, Department of Biomedical and Health Sciences, 327 Padnos, Grand Valley State University, Allendale, MI 49401.** E-mail questions to: hackerm@gvsu.edu. Review process will begin on December 8, 2000, and continue until the positions are filled.

MARINE BIOLOGY/ECOLOGY. The Department of Biological Sciences at Florida Tech invites applications for a faculty position in marine biology/ecology starting August 2001. Preference given to candidates with interests in population, community, or ecosystem dynamics in subtropical and tropical environments. Rank and terms of appointment depend on qualifications and experience. Two years of postdoctoral experience and evidence of accomplishments in research and teaching required. Candidates must develop a program of scholarly activity that includes undergraduate and graduate teaching, an externally funded research program, and the mentoring of graduate students for the M.S. and Ph.D. Submit curriculum vitae, three letters of recommendation, and statements of research and teaching interests by January 15, 2001, to: **Dr. Jon Shenker, Department of Biological Sciences, Florida Institute of Technology, 150 West University Boulevard, Melbourne, FL 32901.** *Florida Tech is an Equal Opportunity Employer.*

TENURE-TRACK ASSISTANT PROFESSOR PLANT MOLECULAR SYSTEMATICS

The Biology Department invites applications for a position in plant molecular systematics. A Ph.D. is required and postdoctoral experience is preferred. The successful candidate will be expected to develop an externally funded research program, to participate in undergraduate and graduate education, and to curate the Colorado State University Herbarium.

To receive full consideration, send teaching and research interests, curriculum vitae, letters from at least three references (sent separately), and up to three publications to: **Systematics Search Committee, Department of Biology, Colorado State University, Fort Collins, CO 80523** by 1 December 2000.

Colorado State University is an Affirmative Action/Equal Opportunity Employer. Office of Equal Opportunity: 101 Student Services.

POSITIONS OPEN

ASSISTANT PROFESSOR NEUROSCIENCE

A tenure-track position available beginning July 1, 2001, in the Department of Cell Biology and Neuroscience, University of California, Riverside. We seek an outstanding individual using cellular/molecular/genetic approaches to address basic questions in the broad area of neuroscience. Ph.D. or equivalent required; postdoctoral experience strongly preferred. The successful candidate is expected to establish an independent, externally funded research program, participate in the interdepartmental graduate programs in neuroscience and cell, molecular and developmental biology, and teach neuroscience courses at graduate and undergraduate levels. Review of applications will begin 1 December 2000 and continue until the position is filled. Send curriculum vitae; copies of publications; statements of research and teaching interests; and names, addresses, telephone and FAX numbers for at least three potential references to: **Chair, Faculty Search Committee, Department of Cell Biology and Neuroscience, University of California, Riverside, CA 92521.** Website: <http://cnas.ucr.edu/~neuro/home.html>. *Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION

The Department of Physiological Sciences, College of Veterinary Medicine, Oklahoma State University, invites applications for two Postdoctoral researchers in the area of neurotoxicology. Applicants must have a Doctoral degree in toxicology, pharmacology, neuroscience, or related field. The project will examine neurotoxicity of organophosphorus agents. Send curriculum vitae including names of three references to: **Carey Pope, Ph.D., College of Veterinary Medicine, Oklahoma State University, 264 McElroy Hall, Stillwater, OK 74078-2014.** Telephone: 405-744-6257; e-mail: pcarey@okstate.edu. Applications will be accepted until November 1, 2000, or until a suitable candidate is found. *OSU is an Equal Opportunity/Affirmative Action Employer that encourages applications from members of minority groups.*

POSTDOCTORAL RESEARCH ASSOCIATE POSITION available immediately for an individual with expertise in molecular biology, biochemistry, or immunocytochemistry to study cellular and subcellular events involved in inflammatory and epithelial changes in the lung. The studies utilize novel and innovative *in vivo* and *in vitro* approaches to examine biological responses. Participation in studies aimed at analyzing cytokines, cell adhesion molecules, cytoskeleton, inflammation, and epithelial injury is expected. Contact: **Deepak K. Bhalla, Ph.D., Department of Occupational and Environmental Health Science, 627 Shapero Hall, Wayne State University, Detroit, MI 48202.** Telephone: 313-577-3980; e-mail: Deepak.Bhalla@wayne.edu. *Wayne State University is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITIONS available to study the genomic effects of dietary anticarcinogens on post initiation phases of cancer development. Projects focus on molecular mechanisms of regulation of mammary tumor progression. Applicants should have a Ph.D. with experience and training in molecular and cell biology. Send curriculum vitae and names of two references to: **Dr. Leonard Bjeldanes, Department of Nutritional Sciences and Toxicology, University of California, Berkeley, CA 94720-3104.** FAX: 510-642-0535; e-mail: lfb@nature.berkeley.edu. The position is available immediately. *The University of California is an Equal Opportunity/Affirmative Action Employer. Appropriate visa status required.*

Faculty Positions in Physics

at the Swiss Federal Institute of Technology Lausanne (EPFL)



The EPFL, in close collaboration with the University of Lausanne (UNIL), plans a substantial expansion in the basic sciences, including a significant reinforcement in physics, chemistry and mathematics and a major new effort in biological sciences and engineering that involves the creation of a center of functional genomics.

As part of this broad program, the Physics Department anticipates making several tenure-track junior-level appointments and senior-level appointments. We seek outstanding individuals with an interdisciplinary vision and a strong record of accomplishments. Successful applicants will initiate independent, creative research programs and participate in both undergraduate and graduate teaching. Substantial start-up resources will be available.



The first four appointments are expected next year in the areas of nanophysics, biological physics, theory (condensed matter or quantum optics), complex systems, time-resolved crystallography. Women candidates are particularly encouraged to apply. For further information, see <http://dpwww.epfl.ch>.

Applications, including curriculum vitae with publication list, brief statement of research interests (three pages or less) and the names and addresses (including e-mail) of at least five references, must be sent before January 15, 2001, to: Professor Giorgio Margaritondo, Head, Department of Physics, EPFL, CH-1015 Lausanne, Switzerland.



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Young Group Leader Positions at the INSTITUT PASTEUR Paris, France

The INSTITUT PASTEUR (IP) is creating **ten positions for outstanding young Scientists to form and lead scientific groups for five years**. The resources that IP will make available to each group will be: a post-doctoral fellowship (for two years), a technician position, an annual budget of 50 000 Euros for the first 3 years (salaries not included), and access to all facilities and technical platforms within Institut Pasteur. Salaries for the group leaders will be commensurate with experience and achievements. Candidates should have several years of post-doctoral experience. Research areas should be aligned with the strategic axis of the Institut Pasteur. Of the 10 positions offered, 3 will be given in priority to creative scientists in the fields of functional genomics/proteomics, virology (e. g. hepatitis C), and prion-related diseases. Applications should include a detailed CV and a research program, as well as the names and addresses of three referees. Applications must be received before December 10th, 2000. Please send to: **Prof. Alain GOUYETTE, Direction Générale, Institut Pasteur, 28, rue du Docteur-Roux, 75724 Paris Cedex 15, France. E-mail: gouyette@pasteur.fr. Fax: (33) 1 45 68 81 86. Tel. (33) 1 45 68 80 03.**



INSTITUT PASTEUR

POSITIONS OPEN

POSTDOCTORAL POSITIONS are available to investigate signaling and costimulatory regulation of immune and autoimmune responses (see *Science* 282:2092-2095; *Nature* 405:91-94). A combination of modern biochemistry, molecular biology, and immunology approaches will be employed, which include mouse genetic techniques (transgenic and knockout mice). Highly motivated candidates with Ph.D., M.D., or equivalent are encouraged to apply. Previous molecular biology, biochemistry, or immunology experience is highly desirable. Interested individuals should e-mail curriculum vitae including three names of references to the following address:

Chen Dong, Ph.D.
Department of Immunology
University of Washington
1959 N.E. Pacific, H458HSC
Seattle, WA 98195-7650
FAX: 206-543-1013
E-mail: chendong@u.washington.edu

RESEARCH ASSOCIATE/ POSTDOCTORAL FELLOW

Position is immediately available to study the neurogenetics of drug response. The projects will focus on mapping brain pathways associated with drug-induced behaviors and the differences in these pathways among inbred mouse strains. Responsibilities for the Research Associate position will include supervision and training of other laboratory personnel. Applicants must have a Ph.D. or M.D. Send curriculum vitae and the names of three references to: **Dr. Robert Hitzemann, Department of Behavioral Neuroscience L470, Oregon Health Sciences University, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201-3098. FAX: 503-494-6877; e-mail: hitzeman@ohsu.edu.**

POSTDOCTORAL POSITIONS IN IMMUNOLOGY BAYLOR COLLEGE OF MEDICINE

Postdoctoral positions are immediately available in the Department of Immunology to study the molecular and cellular mechanisms of lymphocyte activation and differentiation. Applicants should have a Ph.D. and/or M.D. degree and experience in molecular biology and cell biology. Please send curriculum vitae and the names and addresses of three references to: **Shuhua Han, M.D., Department of Immunology, M929/DeBakey Building, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030. E-mail: shan@bcm.tmc.edu. Baylor College of Medicine is an Equal Opportunity/Affirmative Action/Equal Access Employer.**

A POSTDOCTORAL POSITION in plant molecular biology available January 14, 2001, to investigate the functioning of genes encoding the rubber transferase complex including their relationship to rubber yield and quality. Candidates must have a Ph.D. degree in molecular biology or related biological science. Molecular biology and agrobacterium-mediated plant transformation experience required. Knowledge of isoprenoid biochemistry is desirable. Please submit applications to: **Dr. Katrina Cornish, USDA-ARS, Western Regional Research Center, 800 Buchanan Street, Albany, CA 94710. Telephone: 510-559-5950; e-mail: kcornish@pw.usda.gov.**

POSTDOCTORAL FELLOWS to investigate botanicals and phytoestrogens in colon, prostate, and breast cancer in transgenic animals and clinical trials at The University of Missouri Center for Phytonutrient and Phytochemical Studies. Earned Doctorate in nutrition, biochemistry, molecular biology, or related. Immediate openings. Submit letter, curriculum vitae, transcripts and three references to: **Dr. Ruth MacDonald, 256 Stringer Wing, University of Missouri, Columbia, MO 65211. Telephone: 573-882-0598; FAX: 573-884-7964; e-mail: macdonaldr@missouri.edu.**

POSITIONS OPEN

JOHNS HOPKINS UNIVERSITY

POSTDOCTORAL POSITION AUTOIMMUNITY/ NEUROIMMUNOLOGY JOHNS HOPKINS UNIVERSITY

Funded Postdoctoral position for three years to study exciting new strategies for antigen-specific immunotherapy for model autoimmune diseases. Projects involve specific therapy of experimental *myasthenia gravis* in animals and cell culture systems, using gene transfer, transgenic mice, stem cell-based therapy, and novel therapeutic agents. Strong background in immunology and molecular biology and experience in cellular and antibody methods required. *Funding for U.S. citizens or permanent residents.* Curriculum vitae and list of references to: **Daniel B. Drachman, M.D., Professor of Neurology and Neuroscience, Johns Hopkins School of Medicine, 600 North Wolfe Street, Meyer 5-119, Baltimore, MD 21287-7519. E-mail (preferred) dandrac@aol.com; FAX: 410-955-1961. Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL FELLOWSHIPS in cancer research, Penn State Cancer Center at Hershey, Pennsylvania. We are pleased to announce a competition for two newly established Miriam S. Beckner Postdoctoral Fellowships in cancer research. These two-year Fellowships provide the opportunity for Postdoctoral Fellows to join one of approximately 20 well-established research groups focused in areas of cancer research at the Penn State University College of Medicine in Hershey. The research areas include molecular aspects of chemical and viral carcinogenesis; cancer immunology; cancer cell biology, which encompasses cell signaling, cell cycle control, and tumor suppressors; and aspects of drug discovery, prevention, and treatment. The interactive research environment and the availability of excellent core facilities provide an outstanding training environment. Applicants for these Fellowships are requested to send an overview of research accomplishments and interests, curriculum vitae, and the names of three references to: **Diane Sheehan, Penn State University Cancer Center, Position Number S-9195, H069, College of Medicine, 500 University Drive, Hershey, PA 17033. Please visit our website: www.hmc.psu.edu/cancercenter for more information and a listing of Cancer Center members and their research programs. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION HARVARD MEDICAL SCHOOL

Position available to study cell death mechanisms and functional genomics in neurodegenerative diseases and aging. Projects focus on genes that cause Alzheimer's and Parkinson's disease and mechanisms of normal brain aging. For reference, see *PNAS* 96:6959, 1999; *Nature* 395:698, 1998; *Neuron* 16:921, 1996. Experience in molecular and cell biology is required. Send curriculum vitae, a brief description of research experience, and names of three references to: **Dr. Bruce Yankner, Children's Hospital, Enders 260, 300 Longwood Avenue, Boston, MA 02115. FAX: 617-738-1542. An Equal Opportunity Employer.**

JOHNS HOPKINS ONCOLOGY CENTER

A POSTDOCTORAL POSITION is available to study genes altered in leukemia. A good background in cellular and molecular biology is required. *Preference is given to permanent residents or citizens of the United States.* Please respond by e-mail or FAX with a curriculum vitae and three references to: **Donald Small, M.D., Ph.D., CRB Room 253, 1650 Orleans Street, Baltimore, MD 21231. Telephone: 410-614-0994; FAX: 410-955-8897; e-mail: donsma@jhmi.edu.**

POSITIONS OPEN

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At PE Corporation, we're committed to ensuring that biological information plays a pivotal role in the future of medicine and the well-being of humankind. From genomic information to instrument systems, we enable science for life. We are currently recruiting at all levels for the following positions in various locations including Foster City, San Jose, and Pleasanton, California:

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Interested candidates should e-mail their résumés to: **pecorpad@resume.isearch.com** or send your résumé to: **PE Corporation, Human Resources Department, 850 Lincoln Centre Drive, Foster City, CA 94404. FAX: 650-638-5874.** For more information on these and other career opportunities, visit our website: **www.pecorporation.com.** *PE Corporation is an Equal Opportunity Employer and welcomes diversity in the workplace.*

POSTDOCTORAL FELLOW ENVIRONMENTAL BIOLOGY

Villanova University, Department of Biology: two-year Fellowship, half-time teaching and half-time research, to begin January 2001. The position provides experience in teaching, research, and service for an individual seeking a tenure-track academic position. Teaching: environmental sciences course with laboratory (spring) for nonmajors and an ecology/environmental course for biology majors or graduate students (fall). Area of research open within environmental biology. Ph.D. required. Send curriculum vitae, graduate transcripts, and statements of teaching philosophy, research interests, career goals, and arrange to have three reference letters sent to: **Dr. R. Gardner, Department of Biology, 800 East Lancaster Avenue, Villanova University, Villanova, PA 19085-1699. E-mail: Russell.Gardner@Villanova.edu.** Please visit website: **http://www.bio.villanova.edu.** Applications will be reviewed until the position is filled. *A Roman Catholic University and Affirmative Action/Equal Opportunity Employer, Villanova seeks a faculty committed to scholarship, service, and especially teaching that can contribute to the University's mission and values.*

POSTDOCTORAL ASSOCIATE/RESEARCH ASSOCIATE position open to study neuronal-glial interactions using biophysical approaches. Federally funded position requires expertise in patch clamp electrophysiology, preferably in brain slices and/or cellular imaging techniques. Stimulating work environment in highly interactive research laboratory. Competitive salary. Please contact:

Harald Sontheimer, Ph.D.
University of Alabama at Birmingham
Department of Neurobiology
1719 Sixth Avenue South, CIRC 545
Birmingham, AL 35294
E-mail: hws@nrc.uab.edu

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

RESEARCH POSITIONS COLLEGE OF PHYSICIANS AND SURGEONS Columbia University

Several positions available in an integrated program to study kidney morphogenesis and epithelial cell biology. Ph.D. with background in molecular biology and/or cell biology required.

Please send or e-mail curriculum vitae and names of references to: **Dr. Qais Alwqati, College of Physicians and Surgeons, Columbia University, 630 West 168th Street, Box 84, New York, NY 10032. E-mail: qal@columbia.edu.** *Columbia University is an Equal Opportunity/Affirmative Action Employer.*

Faculty Positions in Chemistry

at the Swiss Federal Institute of Technology Lausanne (EPFL)



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

The EPFL, in close collaboration with the University of Lausanne (UNIL), plans a substantial expansion in the basic sciences, including a significant reinforcement in chemistry, physics, and math, and a major new effort in biological sciences and engineering that involves the creation of a center of functional genomics.



As part of this broad program, the Chemistry Department anticipates making several tenure-track junior-level and potentially senior-level appointments over the next few years. We seek outstanding individuals in all areas of chemistry. Successful candidates must develop an independent, internationally recognized program of scholarly research as well as excellent teaching at both the undergraduate and graduate level. Substantial start-up resources will be available. Women are encouraged to apply.

Applications, including CV, publication list, concise statement of research interests (3 pages or less) and three letters of reference, should be sent by December 31, 2000 to:

Professor Thomas Rizzo
Head, Department of Chemistry, EPFL
CH-1015 Lausanne, Switzerland



**UNIVERSITY COLLEGE
LONDON**
Institute of Ophthalmology
Bath Street, London EC1V 9EL



Team Leader in Immunology

The Institute of Ophthalmology, University College London, is seeking to recruit an outstanding investigator to establish a new Division of Immunology. The Institute of Ophthalmology received a 5* rating at the last RAE and has a distinguished record of achievement and scholarship. The Institute, which is undergoing a major expansion of expertise, space and equipment, supports research teams operating at the leading edge of the core disciplines in biomedicine and establishes links between these and clinical research teams to enable major advances in the understanding and treatment of eye disease.

Candidates will be highly-motivated immunologists working in any area of basic or applied immunology. The successful candidate for this post will be expected to pursue their own core research and help develop the ongoing clinical research in ocular immunology. Exciting opportunities exist to participate in the development of state-of-the-art technologies and to develop cross-disciplinary collaborations that build towards an integrated approach to function and disease. Researchers will benefit from an extremely stimulating environment for clinical and academic research. Superb laboratory space and attractive start-up packages are available. The tenure and salary scale of the appointment will depend on the experience of the appointee and could be at Lecturer, Reader, Professorial or Clinical Professorial level.

Preliminary enquiries should be made to Professor Sillito, Institute Director, on telephone number 020 7608 6805 or e-mail: ams.admin@ucl.ac.uk; or Professor Luthert, Deputy Director, on telephone number 020 7608 6808 or e-mail: p.luthert@ucl.ac.uk. Formal applications should include a full CV, research proposal and the names of three referees and should be sent to the Director, Professor Adam Sillito, at the Institute of Ophthalmology.

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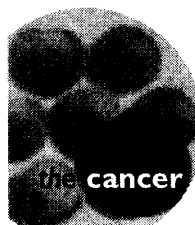
Cancer Research Campaign Principal Research Fellowships

The Cancer Research Campaign is the largest supporter of cancer research in British universities and medical schools and in 2000/01 will spend £61 million on cancer research. The Campaign is pleased to announce the establishment of a new prestigious personal fellowship scheme – the CRC Principal Research Fellowships.

CRC Principal Research Fellowships are intended for non-clinical and clinical scientists of exceptional ability, with extensive and proven track records of achievement at the forefront of international cancer research. Candidates will normally have had at least ten years' research experience since the date of their doctoral degree and are likely to be of readership or professorial status.

A CRC Principal Research Fellowship will provide personal support on a 7-year rolling basis and research support as a 5-year programme grant. These fellowships will be renewable, renewal of the programme grant will precipitate a further seven year period of personal funding.

Potential candidates are asked to contact the Head of Science Funding, Institutes and Personal Awards (Dr Fiona Hemsley, e-mail hemsley@crc.org.uk or telephone: 020 7317 5184) in the first instance to discuss their eligibility by 17th November 2000.



the cancer research campaign

POSITIONS OPEN

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POSTDOCTORAL POSITION PRINCETON UNIVERSITY

Princeton University seeks a Postdoctoral Researcher to study the role of native bee pollinators and natural habitat in maintaining pollination services on farms in northern California. Position is available beginning May 2001 for up to three years. The successful candidate will have demonstrated statistical, writing, and management skills. Experience in pollination ecology preferred; experience in field entomology, conservation biology, landscape ecology, and/or GIS desirable. Ph.D. required. Salary commensurate with experience. Submit application by November 27, 2000. Send curriculum vitae and names of three references to: **Dr. Claire Kremen, c/o M. Guimond, Department of Ecology and Evolutionary Biology, 104 Guyot Hall, Princeton University, Princeton, NJ 08544.** *Princeton University is an Equal Opportunity/Affirmative Action Employer.*

Two **POSTDOCTORAL POSITIONS** are available in the Laboratory of Computational Biology and Bioinformatics at The Scripps Research Institute (1) to work on annotation of the human genome and structural modeling of protein families and (2) to perform virtual ligand screening. These projects will use state-of-the-art supercomputing facilities in the laboratory and involve close collaboration with Experimental Molecular Biologists, Crystallographers, and Biochemists both in TSRI ([website: www.scripps.edu](http://www.scripps.edu)) and GNF ([website: www.gnf.org](http://www.gnf.org)). Requirements: Ph.D. in chemistry, physics, computer science, or molecular biology; experience in sequence or structure analysis, programming, or databases. Please send curriculum vitae to: **Dr. Ruben Abagyan, TSRI Department of Molecular Biology, TPC28, 10550 North Torrey Pines Road, La Jolla, CA 92037.** E-mail: abagyan@scripps.edu or sevak@scripps.edu.

POSTDOCTORAL POSITIONS available for individuals with background in molecular or cellular biology and interest in cell death, survival, and repair with particular emphasis on Parkinson's disease. Fellows work as part of highly collaborative group that includes **Mark Austin, Jun Chen, Charleen Chu, Teresa Hastings, Eric Klann, Yongjian Liu, Tim Oury, Ruth Perez, and Michael Zigmond.** Opportunities for a wide range of laboratory experiences as well as training in other professional skills. Available support includes NINDS training grant. Send curriculum vitae, statement of interest, and three letters of recommendation by post or e-mail to any of the above faculty members, c/o: **M.J. Zigmond, University of Pittsburgh School of Medicine, Department of Neurology, S-526 BST, Pittsburgh, PA 15213 U.S.A.** E-mail: PDcenter@edc.gsph.pitt.edu.

POSTDOCTORAL POSITION available to carry out studies related to T cell recognition in mouse models of autoimmunity. Experience in molecular and/or cellular immunology is desirable but strong applicants from other areas are encouraged to apply. Please send curriculum vitae and details of three references to: **Dr. E. Sally Ward, Center for Immunology, University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75390-8576 U.S.A.** E-mail: sally@skylab.swmed.edu. *Equal Opportunity Employer.*

POSITIONS OPEN

POSTDOCTORAL APPOINTEE

The Experimental Facilities Division at Argonne National Laboratory is seeking a Postdoctoral candidate to participate in biomedical experiments with the hard X-ray microprobes at the Advanced Photon Source. The successful candidate will participate in the investigation of the mechanism of mycobacterial survival in the macrophage by measuring the trace element distribution in the phagosome. This study is part of a four-year project funded by the National Institutes of Health and performed by a multidisciplinary team of Scientists from the advanced Photon Source, the Kuzell Institute in San Francisco, and the University of Tübingen, Germany. The candidate should have a Ph.D. in microbiology or related biomedical sciences received not more than three years prior to the start date of the appointment. Prior work with mycobacteria and active research interest in this area would be important. Experience with optical and/or electron microscopy would be welcome. The successful candidate should be willing to learn the use of X-ray instrumentation and data analysis methods.

Curriculum vitae with publication list and the names and addresses of three references should be sent to: **Teri Rodriguez, Box XFDJMASER-43, Employment and Placement, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, IL 60439.** FAX: 630-252-9388; Telephone: 630-252-7722. For additional technical information, send e-mail: maser@aps.anl.gov or submit your résumé electronically (e-mail: employment@anl.gov). *Argonne is an Affirmative Action/Equal Opportunity Employer.*

SENIOR POSTDOCTORAL POSITION IN UROLOGIC ONCOLOGY AT UCLA

The UCLA Department of Urology invites applicants for a senior Postdoctoral position available immediately with growth potential to work in an exciting program responsible for constructing novel viral vectors expressing anticancer gene(s) and translating new approaches and technologies into clinical treatment for prostate and kidney cancers. Candidate will have to take lead roles in ongoing peer-review funded projects to develop a cancer vaccine using a modified tissue-specific promoter. Scientific knowledge and laboratory skills are required in the areas of virology, cancer biology, and molecular genetics. Candidate must have a Ph.D. with one to two years of postdoctoral training in related fields. Interested applicants should send curriculum vitae and three references to: **Arie Belldegrun, M.D., Chief, Division of Urologic Oncology, UCLA School of Medicine, Box 951738, Room 66-118CHS, Los Angeles, CA 90095-1738.**

POSTDOCTORAL POSITION PROTEIN TRAFFICKING

Thomas Jefferson University Hospital has an exciting opportunity to investigate novel protein secretory pathways in *Plasmodium falciparum*. Applicants should have a Ph.D. with experience in cell biology or biochemistry. Position will be supported with a dedicated technician. Send curriculum vitae and names of three references to: **Dr. T. F. Taraschi, Thomas Jefferson University, Department of Pathology, Anatomy and Cell Biology, 1020 Locust Street, Philadelphia, PA 19107.** E-mail: Theodore.Taraschi@mail.tju.edu. *Equal Opportunity Employer.*

POSTDOCTORAL POSITION at University of California, San Francisco, available to investigate molecular mechanisms regulating cardiac, smooth, and skeletal muscle development. Applicants with a recent Ph.D. and a strong background in molecular biology should send curriculum vitae, summary of research interests, and the names of three references to: **Brian L. Black, Ph.D., CVRI, Box 0130, UCSF, 505 Parnassus Avenue, San Francisco, CA 94143-0130.** Applications may be sent electronically to e-mail: bblack@itsa.ucsf.edu. Please visit the laboratory website: <http://cvri-server2.ucsf.edu/~bblack/index.html>. *University of California, San Francisco, is an Equal Opportunity Employer.*

POSITIONS OPEN

Two **POSTDOCTORAL POSITIONS** are available immediately to study the molecular basis of pheromone detection in mice including receptors, second messengers, and ion channels (see *Nature* 405:792). Desired background for the first position includes patch clamp recording from cell-free membrane patches or tissue slices. For the second position, experience in molecular biology and gene expression is desired. Send curriculum vitae and names of three references to: **Dr. Frank Zufall, Department of Anatomy and Neurobiology, University of Maryland, 685 West Baltimore Street, Baltimore, MD 21201.** E-mail: fzufa001@umaryland.edu.

Mayo Clinic POSTDOCTORAL FELLOWSHIPS in allergic diseases. Positions available immediately to study allergic diseases at Mayo Clinic Rochester, Minnesota and Mayo Clinic Scottsdale, Arizona. Aspects include discovery of novel eosinophil granule proteins, mechanisms and regulation of eosinophil activation, role of IgE in the allergic response, generation/characterization of murine transgenic and gene knockout models of allergic disease, eosinophil-associated cutaneous disease, inflammatory mechanisms of allergic diseases in humans, and function of respiratory smooth muscle. Applicants can work either at Mayo Clinic Rochester or Mayo Clinic Scottsdale. Please send curriculum vitae, bibliography, and names and addresses of three references to: **Gerald J. Gleich, M.D., Department of Immunology, Mayo Clinic, 200 First Street S.W., Rochester, MN 55905.** Telephone: 507-284-7166; FAX: 507-284-5045; e-mail: gleich@mayo.edu. *Mayo Foundation is an Affirmative Action/Equal Opportunity Employer and Educator.*

POSTDOCTORAL POSITION Program in Pharmacogenomics University of California, San Francisco

The project focuses on development of DNA microarrays for measuring expression of genes encoding membrane proteins (emphasis on transporters and ion exchangers) to assess drug transport targeting-receptor interactions and interindividual variability. Expertise preferably in molecular biology, bioinformatics, gene expression analysis, drug transport. Available immediately. Send résumé and names of three references to: **Dr. Wolfgang Sadée, Department of Biopharmaceutical Sciences, University of California, San Francisco, San Francisco, CA 94143-0446.** E-mail: sadee@cgl.ucsf.edu. Website: <http://itsa.ucsf.edu/~wsadee/>. *University of California, San Francisco, is an Equal Opportunity Employer.*

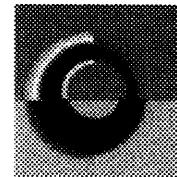
A **POSTDOCTORAL POSITION** is available to investigate the function of an emerging protein complex, the COP9 Signalosome, in vertebrate growth and development (*Current Biology* 8:919-922, 1998; *TIG* 15:98-103, 1999). Applicants should have experience in one or more of the following areas: signal transduction, cancer research, ubiquitin-proteasome research, or transgenic mice and vertebrate development. Send curriculum vitae and names and contact information of three references to: **Ning Wei, Ph.D., Department of Molecular, Cellular, and Developmental Biology, Yale University, P.O. Box 208104, New Haven, CT 06620.** E-mail: ning.wei@yale.edu.

Harvard Medical School. **POSTDOCTORAL RESEARCH POSITIONS** in biological/social psychiatry. Research training in clinical neuroscience and developmental psychopathology, including family studies with integrative seminar. For Ph.D.s and M.D.s who are U.S. citizens or permanent residents. Early decision application deadline is December 31, 2000. Contact: **Clinical Research Training Program, Box S, Judge Baker Children's Center, 3 Blackfan Circle, Boston, MA 02115.** Telephone: 617-232-8390, extension 2559; e-mail: crtp@jbcc.harvard.edu. *Minority applications encouraged.*



UNIVERSITY COLLEGE LONDON

***Institute of Ophthalmology
Bath Street, London EC1V 9EL***



**Institute of
Ophthalmology**

The Institute has very strong core research teams covering techniques over a wide-ranging area of biomedicine and achieved a 5* in the 1996 Research Assessment Exercise. A number of academic vacancies have become available. Applicants will have had an outstanding career to date and will be given every opportunity to develop this further and excel in their field. As part of UCL they will join an environment that offers a tremendous range of resources and facilities. For the Fight for Sight Sponsored Lectureships and Chair, examples of relevant core disciplines would include molecular biology, molecular genetics, biochemistry, immunology, developmental biology, visual neuroscience, visual psychophysics and epidemiology.



Fight for Sight Sponsored Lectureships

Applications are sought from young scientists with a very strong research track record in biomedical science for these "Fight for Sight" Sponsored Lectureships to start in January 2001 at the Institute of Ophthalmology, University College London. Applicants will have an interest in pursuing a career in an area of research linked to eyes, eye disease or vision. The new posts will be offered for three years in the first instance with a view to establishing open contracts thereafter, subject to successful progress assessed by a formal review panel. Starting salary will be on the non-clinical academic salary scale at Lecturer Grade A or B, according to qualifications and experience (£17,755 to £30,967 basic plus £2,134 London Allowance). To apply, please see instructions below.



Fight for Sight Sponsored Chair

Applications are sought from team leaders with an international reputation for a "Fight for Sight" Sponsored Chair to start in January 2001 at the Institute of Ophthalmology, University College London. Applicants will have an interest in pursuing a career in an area of research linked to eyes, eye disease or vision. Applicants should have already led a strong group and have made definitive contributions to their area of work. The salary will be paid on the Professorial scale. To apply, please see instructions below.

Chair in Visual Psychophysics or Visual Neuroscience

Applications are sought from candidates with international reputations for their research in disciplines linked to vision to take up a Chair at the Institute of Ophthalmology, University College London. Their core discipline may be in any area of visual neuroscience, visual psychophysics or linked subjects such as computational neuroscience. Applicants should have already led a strong group and have made definitive contributions to their area of work. The salary will be paid on the Professorial scale. To apply, please see instructions below.

Lectureship in Visual Psychophysics

Applications are sought from young scientists with a very strong research track record in visual psychophysics to start in January 2001 at the Institute of Ophthalmology, University College London, to work with Prof Gary Rubin in the Division of Vision Rehabilitation. The post will be offered for five years in the first instance with a view to establishing an open contract thereafter, subject to successful progress assessed by a formal review panel. Starting salary will be on the non-clinical academic salary scale at Lecturer Grade A or B, according to qualifications and experience (£17,755 to £30,967 basic plus £2,134 London Allowance). To apply, please see instructions below.

To apply for any of the above posts: preliminary enquiries and applications should be made to the Institute Director, Professor A M Sillito, or the Institute Deputy Director, Professor P J Luthert, on telephone number 020 7608 6805 or email ams.admin@ucl.ac.uk Please quote reference number: 126977. Formal applications should include a full CV, research proposal and the names of three referees and should be sent to the Director, Institute of Ophthalmology, Bath Street, London EC1V 9EL.

POSITIONS OPEN

POSTDOCTORAL POSITION at The Ohio State University in biochemistry and molecular biology of pathogenic fungi and *Mycobacterium tuberculosis*; gene knockouts, transcriptional regulation, isolation and identification of host signals that trigger gene expression. E-mail curriculum vitae and three references to: **P.E. Kolattukudy**; e-mail: kolattukudy.2@osu.edu. Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

Aging Research: Neurodegeneration and Cancer The Buck Institute for Age Research

The Buck Institute for Age Research ([website: www.buckinstitute.org](http://www.buckinstitute.org)) is a nonprofit research institute approximately 20 miles north of San Francisco dedicated to understanding mechanisms of aging and diseases associated with aging. NIH-supported Postdoctoral positions are available in the laboratories of **Drs. Simon Melov** and **Christopher Benz** to study the role of oxidative stress in age-related neurodegeneration or cancer progression, respectively. Work in **Dr. Melov's** laboratory involves characterizing neurodegeneration in mouse models in conjunction with synthetic antioxidant treatment (*Science* 289:1567-1569, 2000; *Nature Genetics* 18:159-163, 1998).

Work in **Dr. Benz's** laboratory involves molecular analyses of human breast cancer cell lines and tumors for oxidant stress-induced signaling, altered transcription factor activity, and growth factor receptor expression associated with breast cancer progression and therapeutic resistance (*Oncogene* 14:1617-1622, 1997; *Mol. Cell. Endo.* 146:151-161, 1998; *Biochem.* 39:8406-8417, 2000; *Drugs* 59:753-767, 2000).

Please send curriculum vitae and names and e-mail addresses of three references to either **Dr. Melov** (Job Code ME-MIT) or **Dr. Benz** (Job Code CB-PD), Buck Institute, 8001 Redwood Boulevard, Novato, CA 94945. E-mail: smelov@buckinstitute.org or cbenz@buckinstitute.org.

POSTDOCTORAL POSITIONS STRUCTURAL BIOLOGY

Ribosome structure and function are being explored by three-dimensional cryoelectron microscopy (see, for instance, **Malhotra et al.**, *JMB* 280:103-116, 1998; **Frank**, *American Scientist* 86:428-439, 1998; **Agrawal et al.**, *Nature Struct. Biol.* 6:643-647, 1999). The current resolution of cryo-EM density maps in the range of 10-15 Å allows RNA helical strands to be traced and, by using experimental tagging, to be positively identified. The technique quite generally is the key to the exploration of the structure and functional dynamics of molecular machines. We seek enthusiastic Scientists who wish to get training in all aspects of cryo-EM and to participate in research at the frontier of biology. In particular, we seek individuals with interest in experimental imaging techniques, in methods of RNA modeling using experimental constraints, and algorithm development to further push the resolution. The positions are funded by the National Institutes of Health. Please send your curriculum vitae and the names of three references to: **Dr. Joachim Frank**, Wadsworth Center, P.O. Box 509, Albany, NY 12201-0509. FAX: 518-486-2191; e-mail: joachim@wadsworth.org.

POSTDOCTORAL FELLOW Department of Microbiology University of Minnesota

A NIH-funded Postdoctoral position is available to study the role of mRNA stability in the regulation of genes important for T lymphocyte function. A Ph.D. with experience in molecular biology, biochemistry, or immunology is required. Qualified individuals should submit their curriculum vitae and contact information for three references to: **Dr. Paul Bohjanen**, Department of Microbiology, Mail Code 196 Mayo Building, 420 Delaware Street S.E., Minneapolis, MN 55455. E-mail: bohjanen@mail.ahc.umn.edu.

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIP IN MOLECULAR PATHOGENESIS OF LYMPHOMAS

National Institutes of Health National Institute of Allergy and Infectious Diseases

A Fellowship is available immediately in the Laboratory of Immunopathology to study the molecular control of normal B cell development and oncogenesis. This is a full-time research position for a Ph.D. or M.D. that centers on developing mouse models for human lymphomas, primarily those with protooncogenes deregulated by translocations involving immunoglobulin genes: MYC, BCL6, BCL2, CCND1, etc. We are using techniques of transgenesis, cell and molecular biology, genetics, and biochemistry. Candidates should have strong backgrounds in one or more of these areas with well-rounded expertise in molecular biology being essential. Salary begins at \$31,000 and increases commensurate with experience. Please send curriculum vitae and statement of research interests to:

Herbert C. Morse III, M.D.
Chief, Laboratory of Immunopathology
National Institute of Allergy and Infectious Diseases
Building 7, Room 304, MSC 0760
7 Center Drive
Bethesda, MD 20892-0760
FAX: 301-402-0077
E-mail: hmorse@niaid.nih.gov

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POSTDOCTORAL POSITION in molecular virology, College of Medicine, Penn State: A Postdoctoral position is available immediately within the Department of Microbiology and Immunology at the Penn State University College of Medicine in Hershey, Pennsylvania, as part of a collaborative research effort between the laboratories of **Richard J. Courtney** (herpes viruses) and **John W. Wills** (retroviruses). We are seeking an individual with experience in molecular biology/virology to study the subcellular targeting and assembly properties of herpes virus tegument proteins with the goal of defining how they direct the virus budding process. This represents an excellent opportunity for a broad training experience. Please send your curriculum vitae and names of three references to: **Richard J. Courtney, Ph.D.**, Department of Microbiology and Immunology, Position Number: S-9040, H107, Penn State College of Medicine, 500 University Drive, Hershey, PA 17033. E-mail: rcourtney@psu.edu. Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSOCIATES

Drexel University in Philadelphia, Pennsylvania, has immediate openings for several Postdoctoral Research Associates to conduct research in cellular tissue engineering and assist in day-to-day operations of a multidisciplinary laboratory. Qualified candidates will have experience in the isolation and culture of endothelial and endocrine cells; in analyzing 3-D tissue assemblies grown in diverse tissue culture venues (including bioreactors); and proven expertise in advanced biochemical, immunological, and molecular biological techniques. Please e-mail curriculum vitae with cover letter and salary requirement to: **Dr. Peter Lelkes**; e-mail: pillelkes@drexel.edu. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately to study CFTR chloride ion channels using structure/function approaches and molecular modeling. Experience in electrophysiological or molecular biological methods required. Position funded by the NSF and the CF Foundation. Contact: **Dr. Nael McCarty** in the Department of Physiology and Center for Cell and Molecular Signaling at Emory University. Details at website: <http://www.emory.edu/WHSC/MED/PHYSIOLOGY/NMCC/nmlabtop.htm>; e-mail: NMCC@physio.emory.edu. Emory University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL TRAINING to study immunology of the nervous system and its tumors. Projects include (1) cell-mediated therapy for primary and metastatic brain tumors and (2) how local neurochemicals mediate site-specific immune control. Apply to: **Dr. L. Lampson**, Department of Neurosurgery, Harvard Medical School. E-mail: lampson@rics.bwh.harvard.edu. Briefly give relevant experience and reason for your interest.

POSTDOCTORAL RESEARCH ASSOCIATE

Our laboratory is conducting metabolic pathway engineering with *Saccharomyces cerevisiae* as a model eukaryotic organism. Current research is studying regulation of central metabolic pathways by monitoring genomewide expression. We are using DNA chips to determine the effects of multigene heterologous expression or selective disruption on cell physiology and metabolic flux. Related research involves the discovery, characterization, and expression of genes responsible for growth and survival at elevated temperature. Results will be used to develop renewable fuels and chemicals from biomass. Knowledge of and experience with contemporary molecular biology is essential. Knowledge of and experience with yeast, fungal, or plant genetics are highly desirable. Position is available now. Salary commensurate with experience. Health benefits included. To become a part of a dynamic research group on a major Midwestern campus, contact: **Dr. Thomas W. Jeffries**, Department of Bacteriology, University of Wisconsin-Madison. Telephone: 608-231-9453; FAX: 608-231-9262; e-mail: twjeffri@facstaff.wisc.edu. Position is open to U.S. citizens and noncitizens.

POSTDOCTORAL POSITION MOLECULAR EVOLUTION AND SYSTEMATICS

A two-year NSF-funded position is available immediately. The project involves use of multiple nuclear protein-coding genes to study both evolutionary mechanisms and the deep relationships among rodents. All individuals with an interest in molecular phylogenetics and evolution are encouraged to apply; previous experience with mammals is not required. Applicants should have a Ph.D. in evolution, systematics, or a related field. Experience with PCR and molecular laboratory techniques and/or phylogenetic data analysis will be helpful. Consideration of applications will begin immediately and continue until the position is filled. Applicants should send curriculum vitae and a list of three references (with e-mail addresses) to: **Dr. Ronald W. DeBry**; website: <http://www.biology.uc.edu/faculty/debry/index.htm>; e-mail: ron.debry@uc.edu; FAX: 513-556-5529 or mail to: Department of Biological Sciences, P.O. Box 210006, University of Cincinnati, Cincinnati, OH 45221-0006.

POSTDOCTORAL POSITION TORREY PINES INSTITUTE FOR MOLECULAR STUDIES San Diego/La Jolla, California

One Postdoctoral position is available to study the molecular determinants of activity and specificity for serine proteases using phage display and *in vitro* evolution technologies. Experience with phage display is required. Experience with serine proteases or serine protease inhibitors would be beneficial.

Torrey Pines Institute for Molecular Studies offers a very stimulating scientific environment. San Diego provides an exceptionally pleasant climate and much natural beauty.

To apply, please refer to Code EM and send a cover letter, curriculum vitae, and three letters of recommendation to: **Torrey Pines Institute for Molecular Studies**, Edwin L. Madison, Ph.D., c/o Karen Douthitt, 3550 General Atomics Court, San Diego, CA 92121. FAX: 858-455-2598; e-mail: kdouthitt@tpims.org.

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POSITIONS OPEN

TWO POSITIONS: CELL/MOLECULAR BIOLOGIST AND DEVELOPMENTAL BIOLOGIST

The Department of Zoology, University of Oklahoma, seeks to fill two tenure-track positions beginning in the fall of 2001 at the **ASSISTANT PROFESSOR** level for individuals carrying out research that addresses fundamental questions in molecular, cellular, or developmental biology. Teaching responsibilities will be one course per semester. One successful candidate will teach an undergraduate cell biology course each year and the other will teach an undergraduate animal development course each year. The other semester's teaching would be an undergraduate or graduate course in the candidate's area of expertise. Candidates must have a Ph.D. with a strong commitment toward effective teaching with interests in both undergraduate and graduate instruction and a demonstrated ability to conduct significant independent research as judged by publications. Preference will be given to candidates who complement and strengthen the Department's areas of emphasis in molecular/cellular/developmental biology, behavioral neuroscience/comparative physiology, and/or evolution/ecology/behavior. More information is available at website: <http://www.ou.edu/cas/zoology/>. Screening begins 1 December 2000 and will continue until position is filled. Send curriculum vitae, four letters of recommendation, reprints, summary of teaching experience, and description of research interests to: **James N. Thompson, Jr., Chair, Department of Zoology, University of Oklahoma, Norman, OK 73019.** An Equal Opportunity/Affirmative Action Employer. University of Oklahoma has a policy of being responsive to the needs of dual-career couples.

POSTDOCTORAL POSITION CARDIAC EC COUPLING AND ELECTROPHYSIOLOGY

New York University School Of Medicine
New York

An NIH-funded Postdoctoral position is available immediately to study the modulation of contractile function in the developing heart. The project will build on our previous studies of calcium regulation in neonatal cardiac myocytes and examine the modulation of contractile function by receptor stimulation. Individuals with expertise in intracellular calcium/spark measurements and previous patch clamping experience are particularly encouraged to apply. Applicants should send curriculum vitae, bibliography, and names (including e-mail addresses) of three references to: **Dr. Michael Artman, Pediatric Cardiology (TWR Suite 9V), NYU School of Medicine, 540 First Avenue, New York, NY 10016.** E-mail: michael.artman@med.nyu.edu.

POSTDOCTORAL POSITION is available to participate in an established research program addressing the regulation of key enzymes in fatty acid and membrane phospholipid synthesis. The research is focused on understanding enzyme structure/function and the biochemical mechanism of action of novel antibacterial drugs that target lipid biosynthesis. Candidates with a recent Ph.D. degree interested in utilizing contemporary molecular biology, genetics, structural biology, and biochemistry to address problems related to gene expression and the regulation of membrane phospholipid biogenesis in bacteria are encouraged to apply. Applicants should submit their curriculum vitae, reprints, and names of three references to: **Dr. Charles O. Rock, Biochemistry Department, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38105-2794.** E-mail: charles.rock@stjude.org.

POSITIONS OPEN

POSTDOCTORAL POSITION NEUROTROPHINS, Ca²⁺ SIGNALING, AND SYNAPTIC PLASTICITY

Department of Neurobiology at
University of Alabama at Birmingham

NIH-funded position is available immediately to study the modulation of neuronal Ca²⁺ signaling by neurotrophins with regard to their role in hippocampal synaptic plasticity. We use Ca²⁺ imaging and whole cell recording in slices of rat or knockout mice. As part of the UAB Mental Retardation Research Center, combined recording and conventional confocal and two-photon imaging; particle-mediated gene transfer; and EM facilities are available. Successful candidates will have whole cell electrophysiology experience and neurobiology background. Interested individuals should send cover letter describing research experience and interests, curriculum vitae, and names of three references to: **Lucas Pozzo-Miller, Ph.D., Department of Neurobiology, 1719 Sixth Avenue South, CIRC-429, University of Alabama at Birmingham, Birmingham, AL 35294-0021.** E-mail: pozomiller@nrc.uab.edu; website: <http://www.dpo.uab.edu/~lucaspml/>.

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EUROPEAN OPPORTUNITIES

The Department of Theory and Data Analysis at the Institut für Grenzgebiete der Psychologie und Psychohygiene e.V. in Freiburg, Germany, offers a position for a **NEUROSCIENTIST** with a background and training in neurobiology, neurophysiology, and/or neuropsychology. Applicants should be interested in theoretical questions and should have experience in interdisciplinary cooperation with experimentalists for at least five years of research after having received their Ph.D. Some information about the research topics of the Department can be found at website: www.igpp.de/english/tda.htm. The position is to be filled as soon as possible for an initial two-year period with the possibility to become permanent. Application material should be sent to: **Dr. Harald Atmanspacher, Institut für Grenzgebiete der Psychologie und Psychohygiene e.V. Wilhelmstr. 3a, D-79098 Freiburg, Germany.**

Department of Neurology, University of Regensburg, increases activities in neurooncology. Positions available: **SENIOR RESEARCH SCIENTIST, POSTDOCTORAL FELLOW, CLINICAL RESEARCH FELLOW** (preferably Hemooncologist), **Ph.D. STUDENT, TECHNICIAN** with focus in tumor immunology, neural stem cells, and vaccination and antisense approaches in brain tumors.

Applications to: **U. Bogdahn, M.D., Professor, Chair, Department of Neurology, Dean of the Medical School, Universitätsstrasse 84, 93053 Regensburg, Germany.** E-mail: ulrich.bogdahn@bkr-regensburg.de.

POSTDOCTORAL POSITION available immediately to explore the role of proteasomal antigen degradation for efficacy of DNA vaccines effective against neuroectodermal tumors. The project involves the design and characterization of DNA vaccines targeting antigens into proteasomal degradation pathways followed by the evaluation of antigen-specific immune responses *in vivo*. Candidate must have an M.D. or Ph.D. degree with an excellent background in molecular biology and protein expression analyses. Experience in T cell immunology is a plus. Please send your curriculum vitae to: **Dr. Holger N. Lode, Charité Children's Hospital, Augustenburger Platz 1, 13353 Berlin, Germany.** E-mail: holger.lode@charite.de. Equal Opportunity Employer.

POSITIONS OPEN

NIH-funded **POSTDOCTORAL POSITION** available to study interactions of the p38 pathway with Ras signaling. Experience in molecular biology/signal transduction preferred. Contact: **Dr. Guan Chen, Loyola University of Chicago, Department of Radiation Oncology, Building 1-114B, 2160 South First Avenue, Maywood, IL 60153.** FAX: 708-202-2647; e-mail: gchen1@luc.edu.

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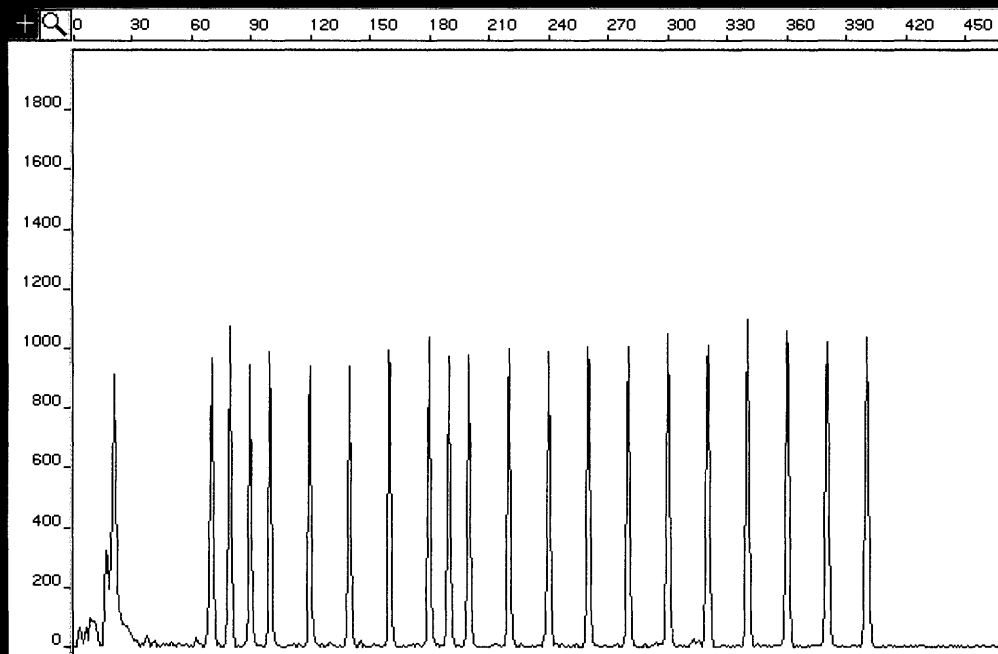
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