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GETTING CITATIONS

Preparing references and citations for research papers gets easier with each new version of bibliographic software. Most of these programs work their way into the popular word processing programs for downloading and formatting bibli-

ographic information directly into a document. The more powerful packages search for supporting references from CD-ROM or online bibliographic databases.

ISI ResearchSoft recently released EndNote 5. The new version contains two new features: one that facilitates writing and one that permits reference-sharing with colleagues. The program will construct bibliographies and organize references within word processing files. It also will import and reformat bibliographies from online resources and databases for use in new or existing documents. EndNote 5 can either be used within word processing software or as a stand-alone tool for collecting and building a bibliography.

The latest version of the EndNote 5 runs on Windows and Macintosh operating systems. Internet access is a must to exploit the program's online search capabilities. The program works best with Microsoft Word and touts a new Cite While You Write feature nicknamed "Easy Writer" by the company. This feature permits the user to locate and insert citations without exiting the Word document. A simple instant-formatting tool places the citation in the document in accordance with established style guidelines. Citations can be reformatted in one keystroke if an author's needs change. EndNote also has a citations spell checker capable of reading 12 European and South American languages.

The program's large bibliographies can be continuously updated and modified. References for a particular publication can be directed to a specific folder for import into other documents. Citations can also be linked for immediate access to references with Web resources. The program permits bibliographies embedded in Word documents to be e-mailed and easily reformatted by the recipient.

EndNote 5 operates through a Reference Window, which provides the user with a simple template for organizing and retrieving bibliographic information. Information such as call number, editor, keywords, location of publisher, and URL address can be stored with an entry, depending on the type of material being referenced. The user can also design personalized templates for the particular needs of an entry. A pop-up help window and detailed documentation make it easy to learn the program. EndNote 5 comes with automatic access to the ISI Web of Science, a renowned resource for searching up-to-date scientific literature.

In summary, EndNote 5 is an invaluable accessory to any word processing product used for preparation of scientific publications and dissertations. Its strengths are its ease of use, powerful search and formatting options, and Cite While You Write capabilities. EndNote 5 provides a simple means of obtaining and producing numerous bibliographic styles and is a great time-saving tool for searching bibliographic databases on the Internet. Graduate students and seasoned researchers alike will find this a valuable program.

—Brian R. Shmaefsky

Department of Biology/Biotechnology, Kingwood College, Kingwood, TX 77339, USA. E-mail: Brian.Shmaefsky@nhmccd.edu

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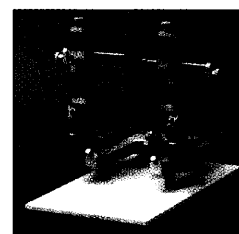
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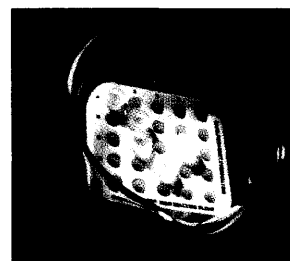
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POSITIONS OPEN



ASSISTANT PROFESSOR Department of Pharmacology College of Medicine, University of Saskatchewan

Applications are invited for a tenure-track position to commence on or after July 1, 2002. Candidates will have an M.D. and/or a Ph.D. degree in physiology, pharmacology, or allied science and the potential to establish a nationally competitive research program. Research interests in any area will be considered, but those candidates whose programs involve neuroscience or cardiovascular research are encouraged to apply.

Applicants must also be committed to teaching excellence at the undergraduate, professional student, and graduate levels. Supervision of graduate students and/or Postdoctoral Fellows is expected.

For those candidates with clinical interests, a cross-appointment with a clinical department is possible.

Applicants should submit curriculum vitae; a brief statement of research interests; reprints of recent publications; and the names and addresses of three references by March 31, 2002, to:

**Dr. Thomas W. Wilson, Head
Health Sciences Building A120
107 Wiggins Road
Saskatoon, SK S7N 5E5 Canada
E-mail: wilsont@duke.usask.ca**

This position has been deared for advertising at the two-tier level. Applications are invited from qualified individuals regardless of their immigration status in Canada. The University 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.

NATIONAL SCIENCE FOUNDATION NSF Division of Biological Infrastructure (DBI)

The Division of Environmental Biology (DEB), the Division of Integrative Biology and Neuroscience (IBN), and the Division of Molecular and Cellular Biosciences (MCB) seek qualified applicants to serve as **PROGRAM DIRECTORS** under the provision of NSF's rotational program in the areas listed below.

Broad knowledge and specific research accomplishment are key qualifications.

Responsibilities include research proposal evaluation, budget development, and scientific planning. Positions will be filled on a one- or two-year rotational/temporary basis beginning late summer/early fall 2002. The current salary range is \$74,697 to \$116,414. Qualification requirements are a Ph.D. or equivalent experience plus six or more years of independent research experience beyond the Ph.D.

For general information about NSF programs in the biological sciences, consult the NSF website: <http://www.nsf.gov>. For information re DBI programs, call **Dr. Machi F. Dilworth**; Telephone: 703-292-8470; re DEB programs, call **Dr. Quentin Wheeler**; Telephone: 703-292-8480; re IBN programs, call **Dr. Frank Greene**; Telephone: 703-292-8420; re MCB programs, call **Dr. Maryanna Henkart**; Telephone: 703-292-8440.

Applicants must submit a résumé or other application format of choice. Applicants must specify the job title for which they are applying and should include the following information: country of citizenship; information about education including major and type and year of degree (s); complete information about experiences related to this job including job titles, duties and accomplishments, employer's name and telephone number, starting and ending dates and year, and salary to: **National Science Foundation, Staffing and Classification Branch, Suite 315, 4201 Wilson Boulevard, Arlington, VA 22230, Attention: Adrienne Angevine.**

Hearing-impaired individuals should call Telephone: 703-292-8044. NSF is an Equal Opportunity Employer.

POSITIONS OPEN



CANADA RESEARCH CHAIRS IN SCIENCE

Two Canada Research Chairs (one Tier I and one Tier II) are sought in the Faculty of Science at the University of Regina with expertise in one of the following fields: prairie ecosystems, aquatic ecosystems, climate change, environmental chemistry, or reservoir geology/geochemistry. The closing date for applications is January 15, 2002, but applications will be considered after this date until the positions are filled. For more information, consult website: http://www.uregina.ca/science/faculty_info.htm.

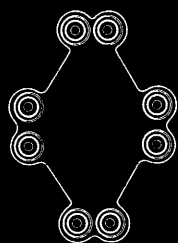
FACULTY POSITION Microbial Pathogenesis/Immunology East Tennessee State University

The Department of Microbiology at the James H. Quillen College of Medicine invites applications for two tenure-track positions starting July 1, 2002, at the **PROFESSOR, ASSOCIATE PROFESSOR**, or **ASSISTANT PROFESSOR** level. Our focus will be on applicants using molecular approaches to explore pathogenic and/or immunologic aspects of human bacterial or fungal diseases. Successful applicants will be expected to pursue vigorous, independent, and collaborative research programs in microbial pathogenesis/immunology and to teach in their area of expertise. Applicants should have a Ph.D., M.D., M.D./Ph.D., or a D.V.M./Ph.D. and (preferably) established extramural funding. Salary and rank are commensurate with qualifications and experience. The James H. Quillen College of Medicine, located in Johnson City, Tennessee, is beginning its 26th year and is currently expanding and strengthening its research mission. Johnson City is a town of 60,000 nestled in the Blue Ridge Mountains 60 miles north-east of the Great Smoky Mountains National Park. Johnson City offers a moderate cost of living, good schools, and numerous cultural and recreational activities. Interested individuals should submit an application letter containing (1) a statement of research and teaching interests, (2) curriculum vitae, (3) reprints of three recent significant publications, and (4) three letters of recommendation to: **Dr. W. R. Mayberry, Chair, Microbiology Faculty Search Committee, Department of Microbiology, James H. Quillen College of Medicine, East Tennessee State University, Box 70579, Johnson City, TN 37614. Telephone: 423-439-6227; FAX: 423-439-8044; e-mail: mayberrw@etsu.edu.** Screening of applicants will begin February 1, 2002, and the search will continue until suitable candidates are found. ETSU is an Equal Opportunity/Affirmative Action Employer.

FUNCTIONAL GENOMICS RESEARCH FELLOWS

The University of Washington School of Medicine is seeking talented and motivated Scientists to participate in an expanding genomics and functional genomics initiative in the Department of Microbiology and Regional Primate Research Center. Areas of research include functional genomics of viral-host interactions and nonhuman primate comparative genomics. Available technologies include a state-of-the-art microarray facility, a strong bioinformatics program, and a new proteomics effort. The ideal candidate will have an M.D., Ph.D., or equivalent postgraduate degree; a strong background in molecular or cellular biology; genomic-based studies; an interest in technology; and excellent computer skills. Cover letter, curriculum vitae, and contact information for three references should be sent to: **Dr. Michael G. Katze, University of Washington, Rosen Building Number 258-B, 960 Republican Street, Seattle, WA 98109. Telephone: 206-732-6135; FAX: 206-732-6056; e-mail: honey@u.washington.edu.**

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**Research Scientist/Sr. Research Scientist,
Proteomics**

You will establish and lead the MS proteomics group and be responsible for developing and implementing IP and MS methods to analyze protein-protein interactions in signaling pathways. In addition, you will determine post-translational modifications of proteins and supervise routine MS analysis of recombinant proteins produced for HTS and crystallography. Requires a PhD or equivalent in analytical biochemistry with 2+ years experience in preparation of biological samples for MS analysis. Familiarity with qTOF determination of protein sequence is required and leadership and management experience is preferred. (Job #: 01-87)

**Research Scientist, Fungal Mechanism
of Action**

You will lead a group using yeast genetics and other technologies to discover and characterize the mechanism of action of novel bio-active compounds. Responsibilities include the design and development of large-scale forward and reverse genetic screens, mutant analysis, supervising/training personnel and interacting with research and discovery groups. Requires a PhD or equivalent with 2-5 years experience and expertise in molecular genetics and phenotypic analysis of *Saccharomyces* or *Schizosaccharomyces*. Industry experience is preferred. (Job #: 01-177)

**Research Scientist/Sr. Research Scientist,
Pharmacology**

You will develop and implement high-throughput, state-of-the-art assays for small molecule-based drug discovery and development. You will manage a bioanalytical group conducting analyses in support of *in vitro* ADME and *in vivo* preclinical pharmacokinetics, pharmacodynamics, toxicokinetics and drug metabolism studies. Requires a PhD in the pharmaceutical sciences or related discipline and 1+ years of postdoctoral training or an MS with 6+ years industry experience. Hands-on experience developing/validating bioanalytical assays, including LC/MS/MS, HPLC and NMR, for detection of novel chemical entities in biological matrices is necessary, as is experience with bioanalytical instrumentation and PK data analysis. A strong background in PK/ADME and experience in sample automation and GLP regulation are desired. (Job #: 01-187)

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Please visit our website at www.exelixis.com
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West Virginia University

ROBERT C. BYRD HEALTH SCIENCES CENTER

Director of Research Eye Institute of West Virginia University

Applications and nominations are invited for the position of Director of Research for the Eye Institute of West Virginia University, and Professor, WVU School of Medicine. The Eye Institute is housed in a new 55,000 square foot building with shell space for construction of state-of-the-art research laboratories and core facilities. New faculty lines will be available to the Director to build a strong collaborative research team. The School of Medicine has defined two major research foci, cancer and neurosciences, and candidates that bring strength to an ophthalmologic neuroscience focus will be given the highest priority. Potential cross appointments to basic science departments in the School of Medicine will provide access to strong Ph.D. programs for members of the Eye Institute's research team.

Qualifications: (1) Ph.D. or M.D. in a relevant area of science or medicine with a demonstrated record of scholarly accomplishment and funded research; (2) the vision and energy needed to direct a sustained research endeavor; (3) active funding from federal agencies, particularly the NIH; (4) highly effective interpersonal skills that will enable him/her to work cooperatively with the faculty from diverse disciplines; and (5) experience or interest in administration.

West Virginia University is a land-grant, comprehensive doctoral granting institution, and a Carnegie Doctoral/Research University - Extensive. The main campus, including the Robert C. Byrd Health Sciences Center, has about 22,000 total students, of which 6000 are graduate students and 1100 are professional students. The Health Sciences Center is a comprehensive health science center with Schools of Medicine, Nursing, Dentistry, Pharmacy, Mary Babb Randolph Cancer Center (www.hsc.wvu.edu/mbrcc/) and the Blanchette Rockefeller Neuroscience Institute (www.brni.org).

WVU is located in Morgantown, WV, a community of about 80,000 with ready access to Pittsburgh, PA and Washington, D.C.

The review of applications will begin November 15, 2001 and will continue until a suitable candidate is identified. Applicants should include a letter describing their qualifications for the position, a vision of the research program they would develop and current vitae with the names of at least four references. Applications or nominations should be directed to: **John B. Barnett, Ph.D., Chair, Search Committee, c/o Ms Tammy Miller, Department of Ophthalmology, West Virginia University Health Sciences Center, PO Box 9193, Morgantown, West Virginia 26506-9193 or jbarnett@hsc.wvu.edu.**

West Virginia University is an Affirmative Action/Equal Opportunity Employer.

The Polytechnic University

Announces The Opening of The Joseph J. and Violet J. Jacobs Distinguished Chair of Chemical Engineering

The Polytechnic University, the second oldest private institution of science and technology in the United States, is delighted to issue a call for nominations and direct applications to the Joseph J. and Violet J. Jacobs Distinguished Chair of Chemical Engineering. We aim to attract to this chair, endowed with 2.5 million dollars, an individual with an internationally recognized record of research accomplishments in chemical engineering, preferably related to or overlapping with bioengineering. The desired candidate should have a strong interest in undergraduate and graduate education and the ability and energy to build a first class research activity at Polytechnic. Polytechnic has just successfully finished a \$300 million capital campaign, which included a bequest of \$175 million dollars by Donald F. Othmer, a Polytechnic Professor of Chemical Engineering, and his wife, Mildred Topp Othmer. The most recent addition to the faculty has been Professor Christos Georgakis who has been appointed to the Othmer Distinguished Chair and named Department Head effective January 1, 2002. For additional information visit: <http://chem.poly.edu>. Nominations and/or applications should be sent to **Professor Jovan Mijovic (jmijovic@poly.edu) or 718 260-3097**, secretary, or to **Professor Christos Georgakis (cgeorgak@poly.edu)** chair of the search committee. All applications and nominations related to this outstanding opportunity will be handled with the utmost discretion and confidentiality.

Polytechnic University is an Affirmative Action/Equal Opportunity Employer.

Director, Physics and Material Science

The Idaho National Engineering and Environmental Laboratory (INEEL) is a multi-program Department of Energy (DOE) National Laboratory in eastern Idaho. The laboratory performs basic and applied research to support DOE missions.

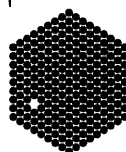
The Director of Physics and Material Science has a staff of 90 - comprising two research departments and one laboratory support group. The Physics Department deals largely with measurement technologies for environmental assessment and remediation, national security, and materials characterization. Expertise includes nonlinear and ultrafast optics, plasma diagnostics, nondestructive evaluation, and computational and experimental fluid dynamics. A new effort is underway in sensors based on nanotechnology.

The Materials Department focuses partly on the relationship between processing and materials properties. Specific areas include nanocomposite and particulate materials, fracture mechanics, advanced ceramics, and computational materials science. Microstructural control for enhanced properties is one area of emphasis.

In this position, you will provide strategic guidance and business development to sustain and expand the group. This requires a professional and technical reputation that will provide credibility with sponsors throughout the DOE and other agencies, e.g. DOD. The position also has a specific interface responsibility to DOE's Office of Science. To qualify, you must have a Ph.D. in Physics or Engineering with emphasis on Instrumentation/Measurement Science or Materials Science.



Please send your CV and cover letter detailing your leadership qualifications to:
Michelle Bingham
E-mail: thl@inel.gov
Phone: 208-526-7830



EMBL

Monterotondo
nr. Rome, Italy

The European Molecular Biology Laboratory (EMBL), an international research organisation with its Headquarters Laboratory in Heidelberg (Germany), Outstations situated in Grenoble (France), Hamburg (Germany) and Hinxton (UK), and a Research Programme at Monterotondo (Italy) has the following vacancy at the **Mouse Biology Programme in Monterotondo:**

POSTDOCTORAL POSITION

(ref. 01/PD/09)

The Mouse Biology Programme of EMBL in Monterotondo is seeking a postdoc to join the group of Manolis Pasparakis. The group uses mouse genetics to study *in vivo* the cellular and molecular mechanisms of NF- κ B function in development and in disease pathogenesis. The successful candidate will use existing mouse models, which allow the conditional ablation of IKK2 and NEMO/IKK γ , to investigate *in vivo* the cell-specific role of NF- κ B in inflammatory and degenerative diseases.

Informal inquiries can be made to:
manolis.pasparakis@uni-koeln.de

Please submit a full CV, summary of past research experience and names and addresses of two referees quoting ref. no. 01/PD/09 to:

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



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Associate/Sr. Associate Scientist, Biochemistry (La Jolla, California)

We have an immediate opening for a BS/MS-level Biochemist. Responsibilities include conducting enzyme assays, analytical protein purification and detailed characterization of enzymes. In addition to a BS/MS in Biochemistry or Chemistry, you must have 2+ years of laboratory or industrial experience. Also essential is a strong background in chemistry, math, computer and graphing programs, enzyme kinetics and protein purification/characterization. Senior applicants and candidates with experience in modern liquid handling or assay automation equipment who wish to diversify their biochemistry laboratory experience are encouraged to apply. Req. #01-0776-5V135CL

Research Scientist (Groton, Connecticut)

Working in a multidisciplinary environment, you will participate in a broad-based genomics program. You will be responsible for the identification, characterization and expression of pharmaceutically relevant targets. Additional duties will focus on downstream analysis and characterization of novel genes identified through expression analysis and other genomic approaches. This position requires a PhD or equivalent in Cell Biology or Molecular Biology and 2 years postdoctoral training in molecular biology, genomics, proteomics or cell biology. Experience using gene expression technologies is preferred, as are solid bioinformatics skills and supervisory experience. Req. #20Sep0107576

Assistant Scientist (Groton, Connecticut)

In this role, you will establish and perform various assays (including recombinant protein, whole-cell, or tissue-based assays) necessary to identify novel compounds for diabetes-related targets, and elucidate diabetes-related disease processes. You'll need a BS in Biology or a related field (MS preferred), 3 years experience in a biology laboratory and computer literacy in standard software packages, including MS Word and Excel. Additionally, experience with molecular biology techniques (Northerns, RT-PCR), *in vitro* and cell-based assays (ELISA, fluorometric), and standard protein analysis techniques (immunoblots, immunoprecipitations) is required. Req. #05Oct0107928

At Pfizer, we build our success on the innovation, skills and entrepreneurial spirit of each of our employees. As an integral member of our team, you'll find myriad opportunities to assert your scientific independence as you generate results that will advance our ultimate goal of creating life-enhancing therapies. You'll also benefit from a wealth of resources, the support of an exceptional team, and the chance to work on some of the most exciting science in the industry. Count the ways you can impact lives as you bring your ideas to life at Pfizer.

Postdoctoral Fellow (Ann Arbor, Michigan)

Aimed at the development of diagnostic and disease progression biomarkers for Alzheimer's disease (AD), this project will allow you to use state-of-the-art facilities and a variety of bioanalytical methods to characterize samples from human AD control subjects. You must have a PhD in Biochemistry, Cell Biology, Immunology or a related field and hands-on experience with protein purification and immunological assay development. Familiarity with tau/amyloid AD literature is preferred. Req. #05Sep0107290

Assistant Scientist (Groton, Connecticut)

Working in our immunology lab, your responsibilities will be focused on signal transduction and FACS analysis and biochemistry of cell signaling molecules derived from *in vivo* studies. These *in vivo* studies will largely involve adoptive transfer studies using transgenic lines. This position requires a BS in Biology (MS with research thesis is preferred), 3 years of *in vivo* lab experience and a basic knowledge of immunology. A solid background in lymphocyte biology accompanied by 5 years experience in an *in vivo* research lab is highly desirable. Req. #02Oct0107806

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Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Professor of the History and Philosophy of Science

The holder of this chair will be responsible for teaching the history and philosophy of science to students from all departments of ETH Zurich. He/she will be expected to pursue original research projects and to participate in the activities of the Department of Humanities, Social and Political Sciences. The person appointed should be able to teach and research the fundamental dimensions of the historical development of the natural sciences and their various social connections.

Candidates must be capable of handling these topics in a systematic and comprehensive manner and have a proven research record. He/she should be able to stimulate students' interest in interdisciplinary scientific discourse. In view of the great value laid upon interdisciplinary cooperation in scientific research and teaching, basic knowledge in a scientific discipline will be a prerequisite. Research should focus on the core discipline and cover questions concerning theories of knowledge and methods of inquiry, especially in the context of scientific innovation and the historical conditions governing the emergence of new research fields at the border of a discipline.

Please submit your application together with a curriculum vitae and a list of publications to the **President of ETH Zurich, Prof. Dr. O. Kübler, ETH Zentrum, CH-8092 Zurich, no later than January 31, 2002.** The ETHZ specifically encourages female candidates to apply with a view towards increasing the proportion of female professors.

STAFF SCIENTIST POSITION National Eye Institute

A Staff Scientist position is available immediately for a collaborative research scientist in the Immunopathology Section, Laboratory of Immunology in the National Eye Institute (NEI), National Institutes of Health (NIH), Bethesda, MD. This position involves collaborative studies on the various projects within the laboratory including ocular and related tissues with various human disorders and several experimental ocular infectious and non-infectious inflammatory diseases. The chosen individual will have a major role in maintaining research continuity within the laboratory, will have the possibility to carry on an independent research project, attend scientific meetings and training courses to keep abreast of latest scientific developments. Previous experience in molecular biology, cellular immunology, ocular pathology, immunohistochemistry, microsurgery, and knowledge of computers and sophisticated scientific equipment usage is strongly recommended. The applicant must have a Ph.D. or M.D. degree. The position is a term appointment, renewable indefinitely upon mutual agreement, and is intended to be long-term, with the individual playing a major role in ocular immunopathology in the NEI. Salary is commensurate with the degree of relevant experience and training in the field, with the range starting at \$64,000. Please send curriculum vitae, bibliography, and contact information for three references to the following address by December 15, 2001: Chi-Chao Chan, M.D., Laboratory of Immunology, NEI, NIH, Bldg. 10, Rm. 10N103 10 Center Drive MSC 1857 Bethesda, MD 20892-1857 Fax: (301) 402-8664.



**National
Eye Institute**



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FACULTY POSITIONS IN MOLECULAR AND CELLULAR BIOLOGY

The Department of Biology at Syracuse University invites applications for two tenure track positions to be filled by July 2002. These

positions are open at all levels from Assistant Professor to Professor. We seek individuals who will establish or who already have state-of-the-art research programs in any of the following areas: cell signaling, developmental biology/genetics or functional genomics. Experimental models can be animal, plant or micro-organismal. The Department and the University place a high priority on teaching. The successful candidate will be expected to teach at the undergraduate and graduate levels. Specific information about the department may be found on our website: www-hl.syr.edu/depts/biograd/FACULTY/Faculty.html

Applicants should forward a curriculum vitae, a description of past research accomplishments and funding record, a clearly focused description of his/her proposed future research goals and a statement of teaching interests. We also request that the applicant have three letters of reference sent to the address below. Please include the name, address, phone number and e-mail addresses of your references. Applications from women and members of under-represented minority groups are particularly welcome. The positions will be open until filled, but we urge that you arrange to have all necessary materials to us by November 15, 2001.

Applications should be submitted to: **John M. Russell, Chair, Department of Biology, 130 College Place, Syracuse University, Syracuse, NY 13244.** EOE



Assistant/Associate Professor of Biology Position

The Biology Department at Southern Connecticut State University in New Haven, Connecticut invites applications for a full-time tenure track assistant/associate professor position starting in Fall of 2002. We seek a plant physiologist with a broad biology background to teach plant physiology. The candidate may also teach upper level courses such as morphology of vascular plants or morphology of nonvascular plants and botany or zoology, as needed. Teaching an advanced course in the applicant's area of specialty will be encouraged.

Minimum requirements for candidates include a Ph.D. in Biology and a strong commitment to teaching. The successful candidate will teach 12 weighted contact hours a week, hold 5 office hours, and actively participate in our general biology program, engage in continued professional development, and assist with departmental and university service. Preference will be given to a plant physiologist who will set up and run a plant physiology-plant molecular biology laboratory and help develop our undergraduate and master level research students. The successful candidate will be expected to establish a strong research program and develop appropriate graduate courses in plant physiology and advise Master's thesis students.

Applicants should submit: (1) a letter of application highlighting relevant experience and research interests; (2) a resume; (3) official undergraduate and graduate transcripts; (4) the names, addresses, and telephone numbers of five recent professional references. Please have all materials mailed to: **Dr. Dwight G. Smith, Chairman, Biology Department, Southern Connecticut State University, New Haven, CT 06515.** Closing date for applications is March 1, 2002.

SCSU is an Equal Opportunity, Affirmative Action Employer and actively seeks to enhance the diversity of its faculty. The university encourages women and minorities to apply.

Wadsworth Center

New York State Department of Health

The Wadsworth Center offers broadly based research training in the areas of molecular genetics, structural and cell biology, immunology and infectious diseases, neuroscience, toxicology, environmental chemistry, and environmental and occupational health.

At the Wadsworth Center, faculty and student research is supported by outstanding core facilities in biochemistry, genetics, imaging, immunology, molecular structure, mass spectrometry, NMR, as well as national centers in Biological Imaging (NIH/NCRR), Genetics (CDC) and NanoBioTechnology (NSF).

The nation's most comprehensive state health laboratory, the Wadsworth Center is dedicated to science in the pursuit of public health. The opportunity to train the next generation of researchers further stimulates this vibrant scientific community.

Additional information on the research interests of faculty and academic opportunities can be obtained at:

www.wadsworth.org/bms

www.wadsworth.org/eh



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- Vector-borne diseases
- Host-parasite interactions
- Brain and spinal cord injury
- Brain development and spinal cord plasticity
- Brain computer interfaces
- Neuron networks in culture
- Genetics of neurodegenerative diseases
- Neural prostheses
- Neurotoxicology
- High resolution biological structure analysis
- Cytokinesis and molecular motors
- Hormone receptors and signal transduction
- Glycoproteins
- Pharmacogenetics
- Drug metabolism and resistance
- Molecular epidemiology
- Environmental microbiology
- Atmospheric chemistry
- Environmental analytical chemistry
- Drinking water quality and treatment
- Risk assessment

For more information, contact:

Ms. Caitlin Reid, Graduate Program Coordinator
Wadsworth Center, Room C-236

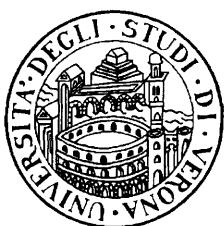
Empire State Plaza, P.O. Box 509

Albany, N.Y. 12201 USA

reid@wadsworth.org

Phone: 518 473-7553

Fax: 518 473-8520



Department of Neurological and Vision Sciences
Section of Physiology

University of Verona (Italy)

Postdoctoral Positions in Cognitive Neuroscience

A new initiative is being launched to investigate the neuronal mechanisms underlying **visual selective attention** and **the controlled coupling of vision and action** through the recording of single neurons and local field potentials from the brain of awake, behaving monkeys.

Applications are invited for two 3-year postdoctoral fellowships, available immediately, funded by the Human Frontier Science Program Organization and by the Italian Government.

Candidates are expected to possess a solid background in cognitive neuroscience and good programming and data-analysis skills. A proficient knowledge of the English language is required.

Candidates should send a curriculum vitae, together with a list of publications, summary of research interests, and the names of two referees to:

Leonardo Chelazzi, M.D., Ph.D.

Department of Neurological and Vision Sciences
Section of Physiology, University of Verona
Strada Le Grazie 8, I-37134 Verona, ITALY
Tel: ++39-045-8027149
Fax: ++39-045-580881
Email: leonardo.chelazzi@univr.it

The deadline for submitting the applications is December 31st, 2001.

Phycologist/Applied Microbial Ecologist

South Florida Water Management District's, Everglades Division; a multi-disciplinary group conducting research in support of one of the world's most ambitious ecological projects, the restoration of the Florida Everglades, seeks applications for their Phycologist/Applied Microbial Ecologist position. This position will conduct research on the role of periphyton in freshwater Everglades wetlands, specifically foodweb dynamics and responses to hydrologic and nutrient changes. Prefer Ph.D. in phycology, biogeochemistry, ecology, or related field and 4+ years experience. Strong oral and written communication skills required.

Please apply, including job reference number 201362, via our website at www.sfwmd.gov or:
SOUTH FLORIDA WATER MANAGEMENT DISTRICT
6520 Human Resources, PO Box 24680
West Palm Beach, FL 33416-4680

E-Mail: hrprojnl@sfwmd.gov

Please cc submittal to Dr. Sue Newman at snewman@sfwmd.gov

sfwmd.gov

EOE M/F/D/V

FACULTY POSITIONS DEPARTMENT OF NEUROSCIENCE

Faculty positions are available in the Department of Neuroscience at the Albert Einstein College of Medicine for individuals applying techniques of molecular genetics in various model organisms to study different areas of normal neural development and/or diseases of the nervous system. Possible areas of concentration include neuronal and glial specification, progenitor cell biology, pattern formation, axonal guidance, cell-cycle regulation and a variety of disease models. This is part of an ambitious recruitment effort aimed at significantly increasing the complement of interdisciplinary neuroscience investigators at the Rose F. Kennedy Center for Research in Mental Retardation and Human Development. It is expected that the independent research programs established by the successful applicants will represent essential links in the long-standing tradition of academic excellence in neuroscience research at Einstein.

Albert Einstein College of Medicine (AECOM) is a major biomedical institution that maintains a strong focus on basic science research and interdisciplinary collaborations. Of particular relevance to this search are the extensive opportunities for interactions with faculty members in the Departments of Molecular Genetics, Developmental and Molecular Biology, Cell Biology, Anatomy Structural Biology, Physiology and Biophysics, Pathology, Neurology and Psychiatry. Notably, the Albert Einstein College of Medicine was among the first medical schools in the country to establish independent Departments of Neuroscience and of Genetics.

This position offers the opportunity to mentor graduate students with a strong interest in basic research. In addition to the approximately 350 PhD students that are actively pursuing graduate studies, Einstein maintains one of the largest and most highly-regarded MD/PhD programs. Further, state-of-the-art genomics, proteomics and neuroimaging facilities are available to all members of the Einstein community.

We are located in a pleasant residential section of the Bronx with easy access to Manhattan, Westchester County and other communities of the New York Metropolitan area. Applicants should submit their curriculum vita, a short description of future research plans, and at least three letters of reference to the Neuroscience Search Committee, no later than **November 15, 2001**: Ms. Maura Gabriele, Rose F. Kennedy Center for Mental Retardation, Room #906, Albert Einstein College of Medicine, 1410 Pelham Parkway, Bronx, NY 10461. EOE



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University of California, Irvine Department of Medicine Molecular Medicine Program

The Department of Medicine at the University of California, Irvine, College of Medicine is seeking an endocrinologist to join the Division of Endocrinology, Diabetes and Metabolism, and to be part of a multi-disciplinary program in molecular medicine. This position is tenure-track at the level of Assistant Professor. Start up funds and research space will be commensurate with the level of the appointment and individual requirements. The Division of Endocrinology has strong research interests in diabetes and its complications, women's health, mechanisms of hormone action, signal transduction and endocrine aspects of cancer. All of its members are active researchers and many are members of the Chao Family Comprehensive Cancer Center at UCI. There are collaborative interactions between the Division of Endocrinology and clinicians and scientists in a wide area of disciplines, including Developmental and Cell Biology, Molecular Biology and Biochemistry, Microbiology and Molecular Genetics, Epidemiology, Oncology, and Pharmacology. Candidates must possess an M.D. or M.D./Ph.D. degree(s), be board eligible in the respective subspecialties, and have interest, knowledge and experience in molecular medicine and multigenic diabetes/endocrine disorders.

Interested applicants should send a CV and names and addresses of three references to: **Murray Korc, M.D., Chief, Division of Endocrinology, Diabetes and Metabolism, Department of Medicine, Med Sci I, C240, Irvine, CA 92697-4075.**

The University of California is an Equal Opportunity Employer, committed to excellence through diversity.

**Scientist or Clinician-Scientist
Associate or Full Professor in
Ophthalmology**

Full-time faculty position available in the Department of Ophthalmology, at the University of Washington. Responsibilities include research, teaching, and may include patient care, depending on the candidate. The successful candidate will occupy a newly renovated laboratory. Individuals with a molecular-cellular research focus on the retina, glaucoma, or cornea are encouraged to apply. Consideration will also be given to researchers with more basic research interests in areas with strong relevance to vision research, including apoptosis, neural protection, or cell cycle. Candidate must have an MD, PhD, or equivalent degree. Clinician-Scientist candidates must have completed an accredited ophthalmology residency program, be Board eligible at the time of starting their appointment, and have a valid Washington State Medical License. The primary responsibility for the successful candidate will be research and teaching. However, Clinician-Scientist applicants with clinical responsibilities will also be considered.

Applicants should send their curriculum vitae, a specific statement of research plans, and arrange for four letters of recommendation to: **Steven E. Wilson, MD, Grace E. Hill Chair in Vision Research, Professor and Chair, Department of Ophthalmology, University of Washington School of Medicine, Box 356485, 1959 NE Pacific Street, Seattle, WA 98195-6485.**

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 Equal Opportunity/Affirmative Action Employer.



**Research
Associate**

The Nanobiotechnology Center (NBTC) has an exciting opportunity for a Research Associate to initiate and participate in collaborative research projects and provide advanced technical support to Center faculty and researchers. The NBTC is an NSF funded Science and Technology Center established to apply the advances of nanofabrication in new, interdisciplinary areas of research and technology. The successful applicant will conduct independent research with emphasis on applying the techniques and tools of nanotechnology to biological questions. Provide independent, expert advice to NBTC researchers in the area of nanofabrication and its application in other fields of study. Develop existing, and plan for future, shared experimental facilities and provide advanced technical support for both academic and industrial users, teach both academic and industrial researchers in the techniques and equipment of Nanobiotechnology and coordinate with senior staff at other research centers to enhance all Center activities. Strong background in microfabrication, biochemistry or molecular biology is desirable. Salary commensurate with experience.

PhD in applied physics, engineering, biology or related field.

Please submit a cover letter, current curriculum vitae and the names of three references to:



**Lorraine Capogrossi
Nanobiotechnology Center
101 Biotechnology Building
Cornell University
Ithaca, NY 14853-2703**

FAX 607-254-5375

E-Mail: nbtc@cornell.edu

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<http://www.cornell.edu>

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**Section Head,
Psychopharmacology**

Job Code: DIA-2291

In this leadership role this Principal Scientist will guide a research group in the area of psychopharmacology which will include 4-6 members of the CNS Pharmacology staff. The Scientist will establish, develop and utilize procedures with animals for the characterization of compounds in psychiatric indications. This includes the coordination of primary and secondary behavioral screening for potential antipsychotic and antidepressant drugs. In this critical role the Scientist will assume project team leadership roles and will be expected to interact across departments to optimally achieve goals. The candidate should have a record of scientific excellence in areas of psychopharmacology or behavioral biology research with a proven track record of employing animal models for drug discovery and for understanding the mechanism of action of novel agents. Having laboratory experience in chronobiology or with nonhuman primates would be considered a plus. For consideration, the candidate should have a Ph.D. in pharmacology, psychology or neuroscience with excellent presentation and writing skills, supervisory competence, and 5-10 years experience.

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POSITIONS OPEN

PROFESSOR AND CHAIR

Department of Plant Biology and Pathology

Rutgers, the State University of New Jersey, is seeking applicants and nominations for the position of Professor and Chair of the Department of Plant Biology and Pathology. This is a tenured, 12-month appointment with an attractive start-up package and is open to candidates meeting requirements for tenure at the rank of **FULL PROFESSOR**. The Department consists of 41 research, teaching, and/or extension faculty and 56 graduate students are enrolled in the Plant Biology program. Most faculty members are located in the new 172,000-square-foot plant bioscience building (Foran Hall), which also houses the Chang Science Library, a distance learning center, computing laboratories, teaching laboratories, and a DNA microarray facility. The Chair is to provide leadership in teaching, research, and extension. He/she is expected to build and maintain strong relationships with stakeholders including professional and farm organizations, industry leaders, university administrators, and the public. He/she must formulate a long-term vision for the Department and enthusiastically convey this vision to students, faculty, staff, administrators, and the public. Applicants are required to have an excellent and continuing record of achievement in teaching, research, and/or extension in addition to demonstrated leadership and administrative skills. The successful candidate has the responsibility for ensuring the productivity, maintenance, and staffing of laboratories, greenhouses and other departmental facilities. He/she should serve as a tireless advocate for the Department. Programs to increase undergraduate and graduate enrollment and ensure high academic standards of continuing education are critical components of our mission. The Chair must appreciate, support, and foster all programs within the mission of the Department ranging from projects of applied problem-solving field research to very fundamental studies in physiology, genetics, pathology, horticultural engineering, and agricultural and environmental biotechnology. He/she must provide leadership in the development of the Department's new initiatives in genomics and environmental issues. The successful candidate should have an understanding of the land grant mission and will be evaluated on his/her ability to develop collaborative and synergistic programs involving multidisciplinary interdepartmental and interagency teams.

Salary: commensurate with professional experience and qualifications.

Closing date: January 31, 2002, or until position is filled.

Please send a letter of application; complete curriculum vitae; and names, addresses, and telephone numbers of five references. Also include a statement discussing your administrative philosophy and vision to foster faculty, student, and staff development. All applications materials should be sent to: **Dr. Joseph Goffreda, Chair, Search Committee, Department of Plant Biology and Pathology, Rutgers, The State University of New Jersey, 59 Dudley Road, New Brunswick, NJ 08901-8520. Rutgers University is an Affirmative Action/Equal Opportunity Employer.**

Microbiology, **ASSISTANT PROFESSOR**. Saint Vincent College invites applications for a tenure-track position beginning fall 2002. Requirements include Ph.D., commitment to undergraduate education, and broad training in microbiology. Experience in environmental, applied, or diagnostic microbiology preferred. Postdoctoral or teaching experience preferred. Teaching responsibilities include team-taught general biology, upper-level courses for biology majors, a course for nonscience majors, and supervision of required senior research projects. We are a Catholic, Benedictine, liberal arts college near Pittsburgh, Pennsylvania, serving 1,200 students. For more information, see **website: <http://www.stvincent.edu>**. Submit curriculum vitae; three letters of recommendation; undergraduate and graduate transcripts and statements of teaching philosophy and research interests by December 30, 2001, to: **Director of Personnel, Saint Vincent College, 300 Fraser Purchase Road, Latrobe, PA 15650-2690.**

POSITIONS OPEN

BIOENGINEERING FACULTY POSITIONS

The University of Illinois at Chicago, Department of Bioengineering, invites applications for full-time, tenure-track positions at the **ASSISTANT, ASSOCIATE, and FULL PROFESSOR** levels. Desired areas of interest identified in our recent Whitaker Special Opportunity Award are cell and tissue engineering, neural engineering, and bioinformatics. In addition, we have identified a critical need for individuals with expertise in BioMEMS for neural, cell and tissue, and genomic applications. The Department of Bioengineering offers B.S., M.S., and Ph.D. degrees and has a strong emphasis on graduate training and research. The present enrollment is approximately 75 undergraduate and 120 graduate students. Additionally, an M.D./Ph.D. program is offered jointly by the Department of Bioengineering and the College of Medicine. Campus facilities include the Microfabrication Applications Laboratory, the Biomedical Visualization Laboratory, the Biologic Resource Center, complete animal care facilities, and extensive computer resources. UIC is also the home of the NSF National Center for Data Mining. These positions must be filled by the fall of 2002. The candidate is expected to establish a strong research program, develop new courses in bioengineering, and contribute to the development of the new multidisciplinary activities in the Department of Bioengineering. For fullest consideration, please send detailed curriculum vitae; reprints of publications; a statement of research interests; and the names of three references by January 7, 2002, to:

R. L. Magin, Ph.D.

**Chairman, Faculty Search Committee
University of Illinois at Chicago
Department of Bioengineering (M/C 063)
851 South Morgan Street, Room 218 SE0
Chicago, IL 60607-7052**

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

CARDIOVASCULAR-INTERVENTIONAL RADIOLOGIST

The Department of Radiology at Massachusetts General Hospital is seeking a staff Radiologist at the **ASSISTANT PROFESSOR** level for its cardiovascular imaging and intervention radiology programs. Significant experience in both cardiovascular imaging and interventional procedures is required. Candidates with research and clinical experience with cardiac procedures are preferred. The successful applicant will have the following duties: performance and interpretation of cardiac CT and MRI examinations; performance and interpretation of peripheral vascular examinations using ultrasound, MRI, and angiography; performance of intravascular procedures including balloon angioplasty and stent placement; and conducting cardiovascular research using several imaging modalities in model systems, animal, and clinical research.

Send current curriculum vitae and letter of interest to:

**Thomas J. Brady, M.D.
Vice Chair, Radiology Research
CIMIT Division
100 Charles River Plaza-Fourth Floor
Suite 400
Boston, MA 02114**

Biology position: **TENURE-TRACK POSITION** for broadly trained Plant Biologist who uses cellular/molecular techniques. Ph.D. required. New science facility at a laptop college near Wichita, Kansas. More information at **website: <http://www.sckans.edu/~biology/listing.htm>**. Review begins January 10, 2002. Send current curriculum vitae, undergraduate and graduate transcripts, three reference letters, teaching philosophy, and evidence of teaching effectiveness to: **David A. Nichols, Dean of Faculty, Southwestern College, Winfield, KS 67156. E-mail: dnichols@sckans.edu; Telephone: 620-229-6205. An Equal Employment Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

NEUROSCIENCE FACULTY POSITIONS

Department of Neuroscience

The Ohio State University Medical Center

Join a growing department dedicated to the translation of basic neurobiology into strategies for the treatment of neurological disorders. We seek a senior Scientist with expertise in systems or cellular electrophysiology and/or imaging of cellular signaling. Interest in synaptic plasticity, regeneration, and CNS repair would be a plus.

A second position at the **ASSISTANT PROFESSOR** level may be available for a Scientist with expertise in live cell imaging and/or neural degeneration/regeneration and repair. Both positions involve teaching neuroscience to graduate, undergraduate, or medical students as well as the establishment of strong, extramurally funded research programs.

The Department consists of 17 primary members with interests in developmental, cellular, and molecular neurobiology and modeling of trauma and disease. Ohio State has a large and diverse neuroscience community and a strong neuroscience graduate program. The Medical Center and the University have designated neuroscience as an area for future growth.

Please send curriculum vitae, a description of research interests, and the names of at least three references to: **Michael Beattie, Ph.D., Brumbaugh Professor and Interim Chair, Department of Neuroscience, The Ohio State University Medical Center, 333 West 10th Avenue, Columbus, OH 43210. Telephone: 614-292-6639. E-mail inquiries or submissions of documents should be made in care of e-mail: yoder.95@osu.edu.**

For further information, see our **website: <http://www.med.ohio-state.edu/neuroscience/neurohome.html>**.

MACROMOLECULAR CRYSTALLOGRAPHY POSITION

A position in macromolecular crystallography at the University of Houston is open and applications are being accepted at all faculty levels. The position is tenure track in a department with several active faculty in organic and biophysical chemistry. At the junior level, postdoctoral experience is required and applicants are expected to have strong potential in research and a commitment to education at all levels. Exceptional applicants for a senior tenured position with an established track record and a strong commitment to teaching will be considered. Preference will be given to applicants whose interests complement current strengths in the Department of Chemistry. The interview process will start December 15, 2001. Please send curriculum vitae, research plans, and three letters of recommendation to: **Professor B. M. Pettitt, Department of Chemistry, University of Houston, Houston, TX 77204-5003. The University of Houston is an Equal Opportunity Employer. Women, minorities, and veterans are encouraged to apply.**

DEPARTMENT OF CELL AND DEVELOPMENTAL BIOLOGY University of Michigan Medical School

The Department of Cell and Developmental Biology at the University of Michigan invites applications for a tenure-track **ASSISTANT PROFESSOR** position. We are seeking an outstanding scholar with a Ph.D. or equivalent degree and relevant postdoctoral experience and with strong potential to develop a successful research program that will address fundamental issues in the disciplines of cell or developmental biology. Applicants should send current curriculum vitae; copies of up to three reprints; a one- to two-page summary of research plans; and should arrange to have three letters of reference sent directly by November 30, 2001, to: **Search Committee, Department of Cell and Developmental Biology, University of Michigan Medical School, 4643 Medical Sciences Building II, 1335 Catherine Street, Ann Arbor, MI 48109-0616.**

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



Life through Discovery

SERVIER is France's 3rd pharmaceutical group and employs 14,000 people worldwide, and has achieved a consolidated turnover of € 1.773 billion in 2000.

Our success depends upon the dynamism of our research directed towards the discovery of novel drugs, mainly in diabetes, cardiovascular disease, neuroscience, oncology, bone and joint disease. Thanks to its 2,200 specialised researchers, our growing company has a pipeline of drugs in development.

In our Research centre near Paris, a major and expanding scientific and medical hub within Europe, we are offering new positions in:

Bioanalysis and Bioinformatics

A complementary partnership

Bioanalyst:

Job code: Bioana

Within our Molecular and Cellular Pharmacology Department, you will be responsible for the analysis of information from gene expression profiling and public/proprietary databases, and for the evaluation and integration of sequence analysis tools.

Bioinformatician:

Job code: Bioinfo

Within our IT Department, you will be responsible for the creation and the integration of a high standard of tools in genome informatics.

IT Environment:

LASSAP, Blast, Accelrys, GCG and databases UNIX, Oracle, Web

The ideal candidate will have a PhD in bioinformatics or MS with at least 3 years relevant experience. He/She is an innovative person with strong communication skills.

The successful candidate will work closely with molecular biologists and our IT Department. Our company provides a dynamic atmosphere and our material and technical facilities are excellent.

*If you are interested in the above positions, please send your application (cover letter and CV), quoting job code, to: Vincent Minvielle
SERVIER, 11 rue des Moulineaux, 92150 Suresnes France.
e-mail: vincent.minvielle@fr.netgrs.com*



Director, Mouse Transgenic Unit and Embryonic Stem Cell Laboratory Medical College of Georgia

The Medical College of Georgia is seeking an experienced individual to fill a vacant faculty position based in the Institute of Molecular Medicine and Genetics to promote research activities involving the use of genetically manipulated mice. Preference will be given to candidates with a proven track record of research involving the application of genetically manipulated mice in the biomedical or veterinary sciences. The successful applicant will be expected to develop a research program related to one or more of four broad priority research programs in Cancer, Inflammation and Infectious diseases, Neurosciences and Cardiovascular Diseases. Primary appointments will be sought in an appropriate MCG academic (basic and/or clinical) department and initial support packages are negotiable. The faculty position carries with it responsibilities of the Director of the MCG Transgenic Unit and Embryonic Stem Cell Laboratory, a Core Research Facility that generates new strains of transgenic and gene-deficient mice on a fee-for-service basis to investigators located at MCG and other academic campuses in the State of Georgia. Consequently, candidates for this position should have prior experience with managing mouse colonies and with procedures used to generate transgenic and gene-deficient mice. This faculty position is tenable at the level of Assistant Professor but more senior positions are negotiable for well-qualified applicants with existing research programs. The Director of the MCG Transgenic Unit and Embryonic Stem Cell Laboratory will be responsible for overseeing the services of the core facility and managing the staff of the facility. Potential applicants are invited to review the web sites for the Core Facility (<http://www.mcg.edu/institutes/immag/tges.htm>) and IMMAG (<http://www.mcg.edu/Institutes/IMMAG/index.html>).

Interested applicants should forward a curriculum vitae and brief description of research program along with a list of three appropriate references to: Andrew L. Mellor, Ph.D., Medical College of Georgia, IMMAG, CB-2803, Augusta, GA, 30912. ACH# 43227. P.O. E-02176542.

EEO/AA/Equal Access employer.

RESEARCH SCIENTIST

This is a unique career opportunity to work and train at both Cold Spring Harbor Laboratory, the world-renowned research organization and Pall Corporation, a leader in specialty materials and engineering with the broadest-based filtration and separations capabilities in the world. Our joint effort is to develop tools in proteomic sample preparation and new procedures for protein purification techniques.



You will be trained at both Pall Life Sciences and CSHL in a variety of protein purification techniques using Pall products. Ultimately, you will produce professional seminars, poster presentations, tutorials and technical sales training data as well as provide expert advice on technical and product questions. You will interact directly with scientists at CSHL and Pall product development and corporate R&D, to enhance your understanding of the technical aspects of the products and assist in the development of related marketing materials.

The professional we seek will possess a PhD in Biological Sciences or Biochemistry, with a strong background in protein purification techniques. Excellent communications skills, computer proficiency and the ability to handle multiple projects and meet deadlines in a fast-paced environment are also essential. Up to 20% travel may be required.



For immediate consideration, please contact Steve Haas at steve_haas@pall.com



Equal Opportunity Employer

POSITIONS OPEN

ASSISTANT DEAN OF COLLEGE University of Arkansas at Little Rock

The College of Science and Mathematics at the University of Arkansas at Little Rock is seeking an Assistant Dean of College. The University of Arkansas at Little Rock ([website: http://www.ualr.edu](http://www.ualr.edu)) is a metropolitan, state-supported university with a current enrollment of more than 11,000 students. The successful applicant will be the Director of the Masters of Science in Integrated Science and Mathematics (MSISM) program and will likely teach one-half time in his/her field of specialty and in the Integrated Science curriculum. Duties of the MSISM Director will be to advise and supervise the program's students, facilitate the formation of each student's graduate committee, maintain student records, and coordinate scheduling of program courses.

The Assistant Dean will also be the liaison between CSAM and the College of Education in science education matters. Preference will be given to the candidate with a strong background in mathematics or one of the physical, biological, or Earth sciences and who has developed an interest in science education and science education research. Requirements for the position include a minimum of an M.S. in a math or science discipline, teaching experience, some administrative experience, and demonstration of grantsmanship abilities. A nine-month, 10½-month, or 12-month position is possible. An application should include curriculum vitae and a statement explaining how your background makes you well suited for this position. Have three letters of recommendation sent.

Review of applications will begin on December 15, 2001. Applications will be accepted until position is filled. Applications should be addressed to: **Dr. Thomas J. Lynch, Associate Dean, College of Science and Mathematics, University of Arkansas at Little Rock, ETAS 125, 2801 South University Avenue, Little Rock, AR 72204.**

The University of Arkansas at Little Rock is an Equal Opportunity/Affirmative Action Employer and actively seeks the candidacy of minorities, women, Vietnam-era veterans, and persons with disabilities. Under Arkansas law, all applications are subject to disclosure.

Applications are invited for several **POSTDOCTORAL** and **PREDOCTORAL TRAINING POSITIONS** at Case Western Reserve University. These positions are supported by an NIH training grant and only U.S. citizens and permanent residents are eligible. The broad general areas of interest of the training faculty include skeletal biology ([website: http://www.universityorthopaedicsonline.com/research_bios.html](http://www.universityorthopaedicsonline.com/research_bios.html)), rheumatology ([website: http://www.cwru.edu/CWRU/Med/medicine/divrheu.htm](http://www.cwru.edu/CWRU/Med/medicine/divrheu.htm)), and musculoskeletal engineering ([website: http://mae1.cwru.edu/mae/pages/facilities/oel/OEL_Home.htm](http://mae1.cwru.edu/mae/pages/facilities/oel/OEL_Home.htm)). Interested applicants must submit a description of their research interests and a letter of application, full curriculum vitae, and names and telephone numbers of three references who can be contacted by e-mail: jodie.hults@uhhs.com or FAX: 216-844-5172 to Jodie Hults. Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer and strongly encourages women and minority candidates to apply.

POSTDOCTORAL POSITION Bacterial Pathogenesis

An NIH-funded Postdoctoral position is available immediately for studies focusing on the development of novel antimicrobials and target cell-surface proteins of Group A streptococci. Experimental approaches will include molecular genetics, bacterial-host interaction, and structural biology of virulence determinates. Applicants must have Ph.D. in microbiology, molecular biology, biochemistry, immunology, or a related field. Interested persons should submit a letter of application, curriculum vitae, names and addresses of three references, and representative reprints to: **Dr. David Cue, Department of Microbiology, 3025 WHW, University of Kansas Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160-7420. E-mail: dcue@kumc.edu.**

An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN



TENURE-TRACK POSITIONS The Hebrew University of Jerusalem The Faculty of Medicine Jerusalem, Israel

The Faculty of Medicine calls for applications for tenure-track positions in the major fields of biology and biomedical research that will be available starting October 2002 in (1) human genetics; (2) physiological systems; (3) physiological-biochemistry and metabolism; (4) clinical pharmacy; (5) virology; (6) parasitology; and (7) proteomics (a) bioinformatics, (b) biophysics, (c) molecular modeling.

Ph.D. and/or M.D. degree and postdoctoral training are required. Excellence in research and teaching will be of prime importance for decisions of the Search Committee. Candidates are expected to develop independent research. Curriculum vitae, list of publications, three to five selected reprints, research plans, and three letters of recommendation addressed to the **Dean, Professor Y. Matzner**, should be sent to: **Office of the Dean, Faculty of Medicine, Hebrew University of Jerusalem, P.O.B. 12272, 91120 Jerusalem, Israel.** Review of applications begins April 15, 2002, and will continue until the positions are filled.

MOLECULAR GENETICS University of Wisconsin-Milwaukee

The Department of Biological Sciences at the University of Wisconsin-Milwaukee solicits applications for a tenure-track position in molecular genetics. This is one of several positions in eukaryotic molecular biology that we anticipate adding within the next two years. We seek an **ASSISTANT PROFESSOR** with a strong research record and the promise of developing an innovative research program involving M.S. and Ph.D. students. Candidates should use molecular genetic, genomics, and/or biochemical approaches to study questions in areas such as but not limited to gene regulation, cellular differentiation, and signal transduction. We particularly encourage applications from individuals whose research interests complement those of current faculty in molecular, cellular, and developmental biology. We expect the successful candidate to establish an independent, extramurally funded research program and contribute to departmental teaching. Send curriculum vitae a concise statement of research and teaching goals, and three letters of recommendation to:

**Chair, Molecular Genetics Search Committee
Department of Biological Sciences,
P.O. Box 413
University of Wisconsin-Milwaukee
Milwaukee, WI 53201**

Applications must be postmarked by January 15, 2001. *The University of Wisconsin-Milwaukee is an Equal Opportunity/Affirmative Action Employer.*

Kutztown University is searching for faculty and managers who have had extensive experience with diverse populations. The following position is available: Department of Biology/tenure-track **ASSISTANT PROFESSOR** beginning fall 2002. Seeking candidate with expertise in fresh water aquatic biology and invertebrate zoology. Requirements include a Ph.D. in biology or related discipline, a minimum of two years of college-level teaching experience, and a commitment to undergraduate education. Teach introductory zoology, invertebrate zoology, limnology, nonmajors courses, and involve undergraduates in research.

For full description and criteria, visit our [website: http://www.kutztown.edu/employment/faculty.shtml](http://www.kutztown.edu/employment/faculty.shtml).

Kutztown University is an Affirmative Action/Equal Opportunity Employer/member of the Pennsylvania State System of Higher Education and actively solicits applications from women and minority candidates.

POSITIONS OPEN

FACULTY POSITION COMPUTATIONAL NEUROSCIENCE Department of Physiology and Biophysics University of Washington

The Department of Physiology and Biophysics at the University of Washington announces a search for a tenure-track faculty member in the area of computational neuroscience. Individuals with a Ph.D. or M.D. and a strong record of research accomplishments are invited to apply. Appointment at the **ASSISTANT PROFESSOR** level is preferred but higher ranks will also be considered if appropriate. Preference will be given to individuals who combine theoretical and experimental approaches either in their own research or through collaboration. The new faculty member will be expected to establish a vigorous research program and participate in teaching of graduate and professional students. For information about the Department, see our [website: http://depts.washington.edu/pbiopage](http://depts.washington.edu/pbiopage).

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

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

CHIEF Division of Pediatric Genetics

The Department of Pediatrics at the University of Pittsburgh School of Medicine at Children's Hospital of Pittsburgh (CHP) is seeking a Chief of the Division of Genetics. CHP is the only tertiary pediatric hospital in western Pennsylvania and is ranked fourth among children's hospitals by U.S. News and World Report. CHP has a faculty of over 200 and approximately \$20 million of extramural research funding. It is now planning the construction of a new hospital, ambulatory care building, office building, a second 100,000-square-foot research building, and a commitment of an additional \$250 million to pediatric research and new clinical programs over the next 10 years. The University of Pittsburgh School of Medicine is now ranked ninth in the United States for NIH funding and has recruited 61 new Principal Investigators/laboratories in the past two years. Candidates with a successful, independently funded research program; a commitment to clinical excellence; Fellowship training; and medical education are encouraged to submit their curriculum vitae. The position is at the rank of **ASSOCIATE/FULL PROFESSOR**. Submit curriculum vitae to: **Claudia Brazet, c/o Dr. David Perlmutter, Chairman, Department of Pediatrics, University of Pittsburgh School of Medicine, 3705 Fifth Avenue, Pittsburgh, PA 15213-5105.**

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

ORGANIC CHEMISTRY POSITION UNIVERSITY OF HOUSTON

The Department of Chemistry at the University of Houston invites applications at the junior level in organic chemistry. We are particularly interested in applicants with interests that complement current strengths within the Department. Candidates will be expected to have postdoctoral experience, a strong potential in research, and a commitment to education at all levels. Applicants should submit complete curriculum vitae, a statement of teaching interests and experience, a statement of research plans (not to exceed five pages), and three letters of recommendation to: **Professor R. Thummel, Chair, Organic Chemistry Search Committee, Department of Chemistry, University of Houston, Houston, TX 77204-5003.** The interview process will start December 15, 2001, and continue until the position is filled. *The University of Houston is an Equal Opportunity Employer. Women, minorities, and veterans are encouraged to apply.*



NCI SCIENTIFIC REVIEW ADMINISTRATORS

The Grants Review Branch in the Division of Extramural Activities of the National Cancer Institute (NCI), the largest component of the National Institutes of Health, has several immediate openings for **Experts** to serve as **Scientific Review Administrators** to manage all aspects of the scientific peer review process for grant applications submitted to the NCI. **Candidates should have independent research experience in current methods of cancer research in (1) Clinical immunology related to cancer pathogenesis or treatment, OR (2) Translational and/or clinical research in cancer biology, detection, diagnosis and/or treatment.** Candidates should also be familiar with the NIH grant application review and support process. These positions are based in Rockville, Maryland, a suburb of Washington DC, but some travel (site visits) will be involved.

The Title 42 Expert Appointment mechanism allows the NCI and the successful candidates additional flexibility, including:

- rapid appointment process, with relocation package;
- flexibility in setting initial compensation levels;
- initial appointments for periods up to 5 years, with unlimited extensions in increments of up to 5 years;
- more flexible levels and frequency of salary increases; and
- full comparability in fringe benefits and pension plan with the Civil Service

Salary levels will generally be in the GS 13-14 equivalent ranges, currently \$63,211- \$97,108, depending on qualifications. Applications will be accepted for consideration until the positions are filled. Please send a current CV or Resume with bibliography and references to:

Olivia Preble Bartlett, Ph.D.
Chief, Grants Review Branch
Division of Extramural Activities,
National Cancer Institute
Fax: 301-496-6497
E-Mail: op2t@nih.gov

Selection for these positions will be based on merit, with no discrimination for non-merit reasons such as race, color, gender, national origin, age, religion, sexual orientation, or physical or mental disability. The NCI/NIH is an Equal Opportunity Employer. Previous applicants do not need to reapply.



WRIGHT STATE UNIVERSITY

DEAN, SCIENCE AND MATHEMATICS

Wright State University invites applications and nominations for the position of Dean of the College of Science and Mathematics. The Dean is expected to provide dynamic leadership in the quest for excellence in teaching, research, and professional service within the mission of a comprehensive university and must be sensitive to the aspirations of diverse constituencies.

Responsibilities:

The Dean of the College of Science and Mathematics serves as the principal officer and spokesperson for the College, reporting to the Provost and working with the other Deans to formulate and implement university policy. The Dean supervises departmental chairs and faculty in formulating and implementing college goals and policy. Among the Dean's specific responsibilities are strategic planning, program development, faculty/staff/student development, resource allocation and budget management, research promotion, fund raising, enrollment management, collegiate partnership initiatives, and relations with external constituencies.

Qualifications:

The candidate should possess:

- A doctorate degree;
- A record of excellence in teaching and scholarly research that meets the qualifications for the rank of professor in a department of the college;
- Administrative experience, including evidence of strong personnel and budget management skills;
- A demonstrated commitment to the involvement of the college with the regional community;
- Evidence of support and experience with curriculum issues, including general education, science and mathematics education, globalization, and programs that are disciplinary, interdisciplinary and applied.
- A commitment to the generation of funded research;
- Strong interpersonal and communication skills, including the abilities to listen, to persuade, and to show appreciation of the efforts of others;
- Personal characteristics that include openness, energy, intellect, dignity, integrity, optimism, and vision.

Environment:

Wright State University, founded in 1968 and named for Dayton's aviation pioneers, Orville and Wilbur Wright, is located 10 miles east of the city of Dayton, a metropolitan area of nearly one million people. The university serves approximately 16,000 students (12,000 undergraduate and 4,000 graduate students) with 100 undergraduate, 40 master's and 6 doctoral programs offered through six colleges and three schools. The College of Science and Mathematics has 136 faculty in the Departments of Biological Sciences, Chemistry, Geological Sciences, Mathematics and Statistics, Physics, Psychology, Anatomy, Biochemistry and Molecular Biology, and Physiology and Biophysics. The latter three departments also report to the Dean of the School of Medicine. The college programs enroll 1325 undergraduate students and 300 graduate students. The college faculty has a tradition of productive scholarship, recognized during the past year by external funding of approximately \$9 million.

Application:

Review of applications will begin on January 2, 2002 but the position will remain open until filled. Salary for the position is competitive; starting date is expected to be no later than July 1, 2002.

Applicants should address how they meet the qualifications listed above in their letter of application. Please send letter, curriculum vitae, names and contact information of three current references to:

Dr. Mary Ellen Mazey, Chair
Search Committee for the Dean of Science and Mathematics
129 Allyn Hall
Wright State University
3640 Colonel Glenn Highway
Dayton, OH 45435

Wright State University is committed to a policy of Equal Opportunity and Affirmative Action, and specifically encourages applications from members of under-represented groups.

POSITIONS OPEN



UNIVERSITY OF MASSACHUSETTS Department of Microbiology

Applications are invited for a tenure-track faculty position in microbial physiology with a projected start date of September 2002. This appointment will be filled at the **ASSISTANT/ASSOCIATE or FULL PROFESSOR** level depending upon experience and qualifications.

Applicants should have strong research accomplishments; capability of establishing a vigorous, extramurally funded research program; and a serious commitment to education at the graduate and undergraduate levels. Candidates must have a Ph.D. plus at least two years of postdoctoral experience. Salary/rank commensurate with qualifications.

Please provide your curriculum vitae and a brief outline of research interests plus recent reprints and arrange to have three letters of reference sent to: **Physiology Search Committee, Department of Microbiology, University of Massachusetts, Amherst, MA 01003-9298**. E-mail: microbio-dept@microbio.umass.edu; website: <http://www.bio.umass.edu/micro>.

Review of applications will begin on December 15, 2001, and continue until the position is filled.

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

MOLECULAR EVOLUTION

The Department of Biology at the University of Rochester anticipates making several faculty appointments in areas related to evolutionary biology over the next few years including molecular evolution, microbial evolution, and the evolution of development. This year we invite applications for a tenure-track faculty position in molecular evolution. Among areas of interest are molecular population genetics, evolutionary genomics, computational biology, experimental molecular evolution, and phylogenetic approaches to ecological/evolutionary questions. We anticipate that the position will be filled at the **ASSISTANT PROFESSOR** level. Send curriculum vitae, a statement of research interests, and three letters of recommendation to: **Molecular Evolution Search Committee, Department of Biology, University of Rochester, Rochester, NY 14627**. Review of applications will begin on December 15, 2001, and continue until the position is filled. *The University of Rochester is an Equal Opportunity Employer.*

Limnologist/Aquatic Ecologist: **ASSISTANT PROFESSOR**, tenure track. Ph.D. required. Should have experience in and strong commitment to undergraduate teaching as well as commitment to developing a research program suitable for undergraduate involvement. Ability to teach courses in area of specialization as well as general courses in ecology and botany and introductory courses for both majors and nonmajors. Opportunities exist for participation in environmental science and/or toxicology programs. Send a letter of application, curriculum vitae, transcripts, and three letters of recommendation to: **Chair, Limnology Search Committee, Department of Biology/Toxicology, Ashland University, Ashland, OH 44805**. Applications received by January 15, 2002, will be assured consideration. Additional information at website: <http://www.ashland.edu>. *Ashland University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and minorities.*

POSITIONS OPEN

ASSISTANT PROFESSOR OF BIOLOGY

The Biology Department at the University of Arkansas at Little Rock invites applications for a tenure-track Assistant Professor position to begin the fall term of 2002. This person will teach an annual undergraduate course in histology. Applicants must have a Ph.D. in the biological sciences. Postdoctoral experience is expected. Although applications from any area of biological sciences will be accepted, we are especially interested in the areas of physiology, endocrinology, toxicology, or neurobiology. The successful candidate will also teach an annual freshman or sophomore course and will be expected to develop an upper-division or graduate course appropriate to his or her discipline. The University of Arkansas at Little Rock (website: <http://www.uarl.edu>) is a metropolitan, state-supported university with an enrollment of 11,300 students. The Biology Department consists of 16 full-time faculty members and 350 majors. The Department offers B.S. degrees in biology with three concentrations (general biology, fisheries and wildlife management, and molecular biotechnology) and environmental health sciences (four options). The Department has an M.S. program in biology and the Ph.D. through a joint program with the Applied Science Department. The successful candidate is expected to participate fully in these graduate programs through his or her research and teaching. Special consideration will be given to candidates who demonstrate that they can broadly interact in a diverse department with faculty interests that range from cell and molecular biology to wildlife management and ecology. Applications must include a letter of intent, curriculum vitae, statements of teaching philosophy and research interests, undergraduate and graduate transcripts, and three letters of reference. Review of the applications will begin on 1 December 2001 and will continue until the position is filled. Send applications and three letters of reference forwarded by traditional mail to: **Dr. Maurice G. Kleve, Faculty Search Committee, Biology FH-406, University of Arkansas at Little Rock, 2801 South University Avenue, Little Rock, AR 72204-1099**. Informational inquiries may be made by e-mail: mgkleve@uarl.edu. *The University of Arkansas at Little Rock is an Equal Opportunity/Affirmative Action Employer and actively seeks the candidacy of minorities, women, Vietnam-era veterans, and persons with disabilities. Under Arkansas law, all applications are subject to disclosure.*

TENURE-TRACK FACULTY POSITIONS Membrane Biology Vanderbilt University School of Medicine

The Vanderbilt University School of Medicine, Department of Anesthesiology, invites applications for tenure-track/tenured faculty positions at the **ASSISTANT, ASSOCIATE, and FULL PROFESSOR** levels from individuals working in the areas of ion channel and transporter physiology and molecular biology. Candidates must have a Ph.D. and/or M.D. degree and a record of excellence and innovation in research.

We seek outstanding Scientists who will develop independent, extramurally funded research programs that will contribute to the Department's and Vanderbilt University's rapidly growing strength in membrane biology. Current research interests in the Department include functional genomics of ion channel/transporter physiology in model organisms (*Curr. Biol.* 11:161-170, 2001); structure/function of Na⁺ and K⁺ channels (*Nature* 409:1043-1047, 2001); and function/regulation of CNS cation-chloride cotransporters (*Nat. Genet.* 22:192-195, 1999). Vanderbilt University offers an outstanding, interactive research environment with state-of-the-art core facilities. Salary and start-up packages are highly competitive and commensurate with experience.

Applicants should send curriculum vitae, representative reprints, the names of three references, and a statement of research interests and future research plans to:

**Faculty Search Committee
Anesthesiology Research Division
T-4202 Medical Center North
Nashville, TN 37232-2520**

POSITIONS OPEN



CHAIRPERSON Department of Mathematics Morehouse College

Morehouse College invites applications for the position of Chairperson of the Department of Mathematics to begin July 31, 2002. Applicants should hold a Doctorate in mathematics and have appropriate research and teaching experience to qualify for a tenured appointment at either the **ASSOCIATE or FULL PROFESSOR** level. As an undergraduate institution, Morehouse values excellent teaching and mentoring. The successful applicant should demonstrate a capacity to assume a leadership role in the Department and will be expected to maintain an active research program and to have a strong commitment to enhancing the research capacity of the Department. For more information on the Department and College, visit our website: <http://www.math.morehouse.edu>. Full curriculum vitae; official graduate school transcript; and three letters of reference must be received by January 22, 2002, to:

**J. K. Haynes, Ph.D.
Dean, Division of Science and Mathematics
Morehouse College
830 Westview Drive, S.W.
Atlanta, GA 30314**

Morehouse College is an Equal Opportunity Employer.

Position: The National Food Safety and Toxicology Center (NFSTC) at Michigan State University seeks applicants for an **ASSISTANT PROFESSOR** in microbial risk assessment, a full-time AN faculty position with a tenure-track appointment in a mutually agreed-to Department in the College of Veterinary Medicine.

Position description and responsibilities: The primary responsibilities for this position will be to explore new approaches to quantitative and qualitative risk assessments for microbial pathogens in foods. The incumbent should be able to develop a research program in various pathogen food combinations including hazard identification, exposure assessment, dose response assessment, and risk characterization steps. The effect of mitigation strategies to reduce human illness or other adverse effects in the assessments is an important area to be modeled. The incumbent should have knowledge of existing microbial risk assessments and an understanding and familiarity with various deterministic and probabilistic approaches to modeling including Monte Carlo simulations. The successful applicant will have opportunities to work directly with the food safety Scientists in NFSTC in its research, teaching, and outreach functions.

Qualifications: Ph.D. in microbiology or an equivalent degree in a discipline related to risk assessment.

Application procedure and deadline: The application deadline is March 1, 2002, or until a suitable candidate is found. A letter of application together with curriculum vitae and the names of three references should be sent to: **Dr. Ewen Todd, Chair, Search Committee, National Food Safety and Toxicology Center, Michigan State University, 165 Food Safety and Toxicology Building, East Lansing, MI 48824-1302**. Telephone: 517-432-3100; FAX: 517-432-2310; e-mail: toddewen@cvm.msu.edu. *MSU is an Affirmative Action/Equal Opportunity Institution.*

POSTDOCTORAL POSITION University of Pittsburgh School of Medicine Division of Gastroenterology, Hepatology, and Nutrition

A Postdoctoral position is available immediately to study the virologic aspects of hepatitis C. Experience in molecular virology is required. Send curriculum vitae with names of three references to: **A. Obaid Shakil, M.D., Center for Liver Diseases, Falk Medical Building, Third Floor, 3601 Fifth Avenue, Pittsburgh, PA 15213**. E-mail: obaid@med.pitt.edu.

Laboratory of Molecular Biology, Cambridge Tenure-track Scientific Posts

The Laboratory of Molecular Biology has a continuous programme for recruitment of outstanding scientists to independent tenure-track positions, leading to tenured (career) scientific posts. In exceptional cases, appointments can be made directly to tenured posts.

The Laboratory is an internationally renowned institution that has made major contributions to the development of molecular biology. Its goal is to interpret biological phenomena at the molecular level. Applicants are sought in any areas relevant to this goal, including structural biology, proteomics, cell and developmental biology, neurobiology, immunology and cancer research. A particular strength of the Laboratory is a tradition of providing a stable, supportive and interactive environment for groups working on challenging problems of fundamental interest. Information about the Laboratory and the research interests of its current members can be found at <http://www.mrc-lmb.cam.ac.uk>

'Leading Science for Better Health'

The Medical Research Council is an Equal Opportunities Employer and operates a strict no smoking policy.

Further information about these appointments can be obtained by contacting Mariann Bienz or Venki Ramakrishnan (e-mail: jackie@mrc-lmb.cam.ac.uk).

Appointments will be for six years in the first instance, and will be at the MRC Band Level 2. Starting salaries will be from £30,500 per annum, depending on qualifications and experience, plus a scientific supplement of 6% (rising to 9% in 2002).

Applications should include a full CV with a brief description of research interests and plans, and the names and addresses of two professional referees who can be contacted prior to interview. Please quote job reference: LMB/1001/8 and e-mail to: recruit@mrc-lmb.cam.ac.uk or post to: Bob Tillson, Personnel Manager, MRC Centre, Hills Road, Cambridge CB2 2QH, UK.

There is no time limit on acceptance of applications as recruitment is ongoing for these positions, however for this round of recruitment, applications would be preferred by 28 February 2002.

MRC
Medical Research Council



POSTDOCTORAL POSITION RESEARCH ASSOCIATES (Job Code: 2982 and 2983)

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 and the development of novel antibacterial drugs that target lipid biosynthesis. Candidates with a recent Ph.D. degree interested in applying contemporary molecular biology, genetics, structural biology and biochemistry technologies to problems related to gene expression, protein structure/function 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 including Job Code to: **Dr. Charles O. Rock, Infectious Diseases Department, St. Jude Children's Research Hospital, 332 N. Lauderdale, Memphis TN 38105-2794. E-mail: charles.rock@stjude.org**

AA/EOE



**National Institute of Arthritis and
Musculoskeletal and Skin Diseases**

Postdoctoral Research Positions Cartilage Biology Branch

**National Institutes of Health (NIH)
Department of Health and Human Services
Bethesda, Maryland**

The newly created Cartilage Biology and Orthopaedics Branch, NIAMS, has Postdoctoral positions available to participate in projects focused on (1) Molecular and Cellular Biology of Skeletal Development - cell-cell and cell-matrix interactions, segmentation and patterning, and growth factors in cell differentiation and signal transduction; and (2) Cartilage Tissue Engineering-mesenchymal stem cell isolation and characterization, development and application of 3-dimensional osteochondral constructs, cellular interaction with biomaterials, and bioenhancement of osseointegration. Candidates should have expertise in cellular and molecular biology, animal models of tissue injury and repair, and/or bioengineering, and must have a Ph.D., D.D.S., D.V.M., and/or M.D. degree with less than five years of postdoctoral experience. Individuals who have significant, postdoctoral experience (more than five years) may be appointed as Research Fellows. Successful applicants will have the opportunity for extensive interactions with other members of the Cartilage Biology and Orthopaedics Branch. To apply, send a curriculum vitae and have three letters of recommendation addressed to Rocky S. Tuan, Ph.D., Chief, Cartilage Biology and Orthopaedics Branch, NIAMS, sent to:

Mr. Scott Sigley
31 Center Drive Building 31 Room 4C-13 MSC 2350
Bethesda, Maryland 20892
sigleys@mail.nih.gov

National Institutes of Health
is an Equal Opportunity Employer



POSITIONS OPEN

Position: genetics/molecular biology. Institution: St. Cloud State University. Department: Biological Sciences. Location: Minnesota.

Genetics/molecular biology: **ASSISTANT PROFESSOR**, tenure track. Shared teaching responsibilities in genetics (currently serving majors in biomedical science, cell biology, and biotechnology); introductory cell function and inheritance; a recombinant DNA course; and a graduate course in area of expertise. A research program that contributes to professional development and involves undergraduate and graduate students is expected. Ability to teach and/or perform effectively, scholarly achievement or research, continued preparation and study, contribution to student growth and development, and service to the university and community are required. Ph.D. in relevant field of biological sciences and postdoctoral or equivalent experience. Preference to candidates with successful postsecondary teaching experience, strong commitment to teaching (B.S./Master's), research programs involving undergraduate and Master's students, and experience compatible with current faculty interests and expertise. Advising and committee participation are expected. The successful candidate will have demonstrated ability to teach and work with persons from culturally diverse backgrounds. Send letter of application including statements of research plans and teaching philosophy; curriculum vitae, transcripts (copies acceptable for initial screening); and the names, telephone numbers, postal, and e-mail addresses of three references. We will contact references to comment specifically upon your teaching ability, experience, and professional preparation. Submit materials to: Chair, Department of Biological Sciences, St. Cloud State University, 720 Fourth Avenue South, MS-262, St. Cloud, MN 56301-4498. You may contact us by Telephone: 320-255-4736; FAX: 320-255-4166; e-mail: biology@stcloudstate.edu; website: <http://www.StCloudState.edu/~biol>. All materials must be postmarked by December 31, 2001, to be considered. E-mail or FAXED applications received after December 31, 2001, are not guaranteed consideration. SCSU is committed to excellence and actively supports cultural diversity. To promote this endeavor, we invite individuals who contribute to such diversity to apply including minorities, women, GLBT, persons with disabilities, and veterans.

FACULTY POSITIONS AVAILABLE The Carolina Cardiovascular Biology Center Department of Internal Medicine University of North Carolina at Chapel Hill

The Program in Molecular Cardiology in the Department of Internal Medicine, University of North Carolina at Chapel Hill, announces the opening of a search for new **INVESTIGATORS** to join this newly created research initiative. The Search Committee will consider M.D.s, M.D./Ph.D.s, and Ph.D.s at any career level. Preferred applicants will have an active research program in the general areas of vascular biology and molecular cardiology. Areas of particular interest to the Search Committee include but are not limited to myocyte and endothelial cell biology, angiogenesis and arteriogenesis, signaling and gene regulation in cardiovascular diseases, and cardiovascular development and genetics. Newly recruited faculty will be provided with a generous start-up package and assistance with career development. Strong applicants will demonstrate an ability to garner extramural funding; active research support is preferred but not required.

Interested applicants should send a letter of interest and updated curriculum vitae to:

Cam Patterson, M.D.
Search Committee Chairman
Director, Carolina Cardiovascular Biology Center
University of North Carolina at Chapel Hill
5109 Neurosciences Research Building
CB Number 7126
Chapel Hill, NC 27599-7126
Telephone: 919-843-6477
E-mail: cpatters@med.unc.edu

UNC-CH is an Equal Opportunity/Americans With Disabilities Act Employer. Women and minorities are encouraged to apply.

POSITIONS OPEN



FACULTY POSITIONS IN CLINICAL GENETICS University of Wisconsin Medical School

The University of Wisconsin Medical School has three tenure-track positions available at the **ASSISTANT PROFESSOR** level in the Departments of Medical Genetics and Pediatrics as part of continued expansion. The candidate should possess an M.D. or M.D./Ph.D. with Board certification or Board eligibility in medical genetics.

The University of Wisconsin-Madison, located on Lake Mendota, ranks among the nation's top universities. It contains a growing, dynamic biomedical community with expanding programs in human genetics, genomics, bioinformatics, biotechnology, gene therapy, and stem cells. There is also access to on-campus diagnostic laboratories, gene and cellular therapy research groups, a GMP biomufacturing/gene therapy facility, and a biotechnology center. The majority of the successful candidate's time will be devoted to developing an independent research program in human genetics while the remainder will be spent providing clinical care in clinical or biochemical genetics.

Interested applicants should submit curriculum vitae, three letters of recommendation, and a two-page research plan to: **Dr. Jon Wolff, Director of Clinical Genetics, University of Wisconsin-Madison, Waisman Center, 1500 Highland Avenue, Madison, WI 53705-2280. E-mail: gallagher@waisman.wisc.edu.**

UW-Madison is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL AND RESEARCH ASSISTANT POSITIONS AVAILABLE The Burnham Institute, La Jolla, California

To study multimolecular complexes involved in the assembly and regulation of the actin cytoskeleton at the leading edge of motile cells. Our general approach is to combine and develop various electron cryomicroscopy techniques, image analysis, and bioinformatics tools to extract high-resolution structural information. In particular we study the role of Arp2/3 complex in actin filament network assembly (**Volkman et al., Science 293:2456-2459, 2001**); the role of myosin in cell migration (**Volkman et al., Nature Struct. Biol. 7:1147-1155, 2000**); and the role of actin binding proteins in providing a scaffold for cell protrusions (**Volkman et al., J. Cell Biol. 153:947-956, 2001**). The ideal candidate will have either some experience in electron microscopy or in computational biology.

The Burnham Institute forms part of a vibrant scientific community situated next to the Pacific Ocean including the Scripps and Salk Institutes and University of California San Diego. Website: <http://www.burnham.org>.

Please e-mail a current curriculum vitae and names of three references to: **Dorit Hanein, e-mail: dorit@burnham.org or Niels Volkman; e-mail: niels@burnham.org.** Equal Opportunity Employer.

FACULTY POSITION Vaccine Research Institute of San Diego

A new faculty position is available. Expertise in vaccines, immunology, bacteriology, virology, parasitology, or neurology is being sought. Both junior and senior Investigators will be considered. An excellent publication record and success in obtaining outside funding required. Applicants should send curriculum vitae, statement of research accomplishments, plan of future research efforts, and three letters of reference to: **Tom Phillips, D.V.M., Ph.D., Chairman and Vice President, Vaccine Research Institute of San Diego, 3030 Science Park Road, Suite 100, San Diego, CA 92121.**

POSITIONS OPEN

FACULTY POSITIONS UNIVERSITY OF WASHINGTON Department of Psychology

The Department of Psychology expects to fill two tenure-track positions in the area of developmental psychology. Appointment is anticipated at the **ASSISTANT or ASSOCIATE PROFESSOR** rank, but candidates with exceptional qualifications may be considered for appointment at the rank of **PROFESSOR**. Research specialization is open, but we are particularly interested in applicants with backgrounds in developmental behavioral neuroscience and/or infancy. Applicants are expected to have demonstrated excellence in research publication and will be expected to provide high-quality teaching at both the undergraduate and graduate levels. Candidates who fit the mission of the University's new Center for Mind, Brain, and Learning are especially encouraged to apply. The Center encourages interdisciplinary and collaborative research spanning from brain to behavior, primarily in the zero-to-five age range; website: <http://www.depts.washington.edu/cmbi/>. To apply, send a detailed statement of research and teaching interests, curriculum vitae not more than four reprints or preprints, evidence of teaching effectiveness, and at least three letters of recommendation to: **Developmental Psychology Search Committee, Department of Psychology, University of Washington, Box 351525, Seattle, WA 98195-1525.** Applications received by December 1, 2001, will receive full consideration. Ph.D. required by date of appointment. The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. The University is an Equal Opportunity/Affirmative Action Employer.

Bioinformatics: **ASSISTANT/ASSOCIATE PROFESSOR**, tenure-track, for September 2002. We seek an excellent, versatile teacher with a Ph.D.; postdoctoral experience including college teaching desirable. Appointment will be in the program appropriate to the candidate's interest and/or background. The position requires expertise at the interface of computer science, genetics, and informational technology as applied to construction, accessing, and problem solving using genetic databases (DNA/protein). Specialty area is open but candidates must be able to operate in an undergraduate environment at a liberal arts college. Specific duties include teaching courses in bioinformatics and related disciplinary areas at the lower- and upper-division levels and in the College's general studies curriculum, advising students, establishing a successful research program, and participating in the development of a computational science initiative. Stockton is a state-supported, residential, liberal arts and sciences college in New Jersey with over 6,000 full-time students enrolled. The anticipated salary is \$40,340 to \$46,392 for the rank of Assistant Professor and \$49,035 to \$56,394 for the rank of Associate Professor; may be higher depending on qualifications, experience, and increases in the appropriately established compensation plan. Send letter of application, résumé, a brief statement about teaching and learning philosophies, a brief statement about research goals, documentation of degree, and three letters of recommendation to: **Dean Dennis Weiss, Faculty of Natural Sciences and Mathematics, P.O. Box 195, AA29, Richard Stockton College, Pomona, NJ 08240.** Screening will continue until the position is filled. Stockton is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

CLINICAL RESEARCH SCIENTIST wanted by pharmaceutical company in Stamford, Connecticut, to plan, develop, implement, manage, review, and report on clinical trials. Prepare and implement training programs. Ensure studies comply with department procedures and local regulations. Develop protocol summaries and protocols. Must have Doctoral degree in pharmacology or biological science and two years of experience. Respond to: **Human Resources Department, Purdue Pharmacology L.P., 1 Stamford Forum, Stamford, CT 06901-3431.**



**Postdoctoral positions available –
Signal Transduction/Neurobiology
Department of Pharmacology
University of Michigan, Ann Arbor**

Post-doctoral positions are available in laboratories in the Pharmacology Department at the University of Michigan Medical School. The University is undergoing a major expansion in the Life Sciences and the Pharmacology Department is in the top ten in the country. The department has a strongly cooperative atmosphere with many collaborations among listed faculty. A formal post-doctoral seminar series provides interactions with post-docs in other Medical School departments and career development information. Ann Arbor is a vibrant, diverse University community with many cultural and recreational opportunities.

Helen Bagdoyhan, PhD

Orexin-induced G protein activation in brain nuclei regulating sleep and breathing.

José A. Esteban, PhD

Regulation of glutamate receptor trafficking in synaptic plasticity.

Stephen K. Fisher, PhD

Inositol polyphosphates and neural signaling.

Margaret E. Gnegy, PhD

Dopamine transporters and amphetamine action.

Ronald W. Holz, MD, PhD

Mechanisms underlying calcium-dependent exocytosis.

Jorge Iñiguez-Lluhi, PhD

Gene regulation by nuclear receptors: activation and synergy.

Lori L. Isom, PhD

Cellular and molecular biology of voltage-gated sodium channels.

Angel W. Lee, MD, PhD

Signal transduction mechanisms in cell growth and survival.

Jonathan Maybaum, PhD

Signaling in response to DNA damage.

Richard R. Neubig, MD, PhD

RGS proteins and G protein signaling mechanisms.

Yoichi Osawa, PhD

Nitric Oxide Synthase regulation by heat shock chaperones.

Jerry Stitzel, PhD

Pharmacogenetic analysis of nicotinic receptors in drug abuse and disease.

Roger K. Sunahara, PhD

Structural basis of receptor-G protein signaling.

John R. Traynor, PhD

Mechanisms of opioid signaling.

Candidates must have less than 3 years of prior post-doctoral experience. New PhD graduates who are U.S. citizens or permanent residents will have priority. For inquiries e-mail: pharmpostdocinfo@umich.edu and see <http://sitemaker.umich.edu/pharm.sigtrans.postdoc>.

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

Applications from qualified women, minorities and/or disabled individuals are encouraged.



**Gene Therapy Faculty Position
Molecular Medicine Program
Rochester, Minnesota USA**

Mayo Clinic in Rochester, Minnesota has an established Molecular Medicine Program with several groups working on gene therapy using different viral systems. The program, under the direction of Dr. Stephen J. Russell, is seeking a tenure track individual that can develop and maintain a competitive peer-reviewed research program focused on high capacity adenovirus vectors.

The Molecular Medicine Program (<http://www.mayo.edu/research/mmp/>) was established at Mayo Clinic with the mission of integrating relevant basic science and clinical investigation in the areas of gene therapy and virology, and applying this to patient care in a timely and responsible manner. Mayo Clinic's research infrastructure and clinical strengths offer unparalleled opportunities to collaborate with clinician investigators on translating basic discoveries into the clinical setting. A competitive compensation and benefits package is available.

Mayo Clinic (<http://www.mayo.edu/>) is a not-for-profit organization that integrates research with clinical practice and education in a multi-campus environment. Rochester, Minnesota is approximately one hour from the Minneapolis/St. Paul metropolitan area. Rochester (<http://www.rochestermn.com/>) has excellent schools, a cosmopolitan cultural atmosphere, growing economy, clean environment, and has been consistently rated one of the best places to live in the USA by Money Magazine.

Applications will be accepted until the position is filled, but preference will be given to applications received by December 7, 2001. Applicants for this position should submit a cover letter expressing their interest and qualifications, along with their Curriculum Vitae, to:

Stephen J. Russell, M.D., Ph.D.

Chair, Molecular Medicine Program Search Committee

Mayo Clinic

Guggenheim 18

200 First Street SW

Rochester, MN 55905

email: russell.stephen@mayo.edu

Fax: (507) 284-8388

Mayo Foundation is an Affirmative Action and Equal Opportunity Employer and Educator.



Universität Hamburg

Im Fachbereich Medizin

– Zentrum für Molekulare Neurobiologie Hamburg –
ist ab sofort zu besetzen eine Stelle, Kennziffer 1781/4

**Universitätsprofessor/in der BesGr C4
für „Molekulare und zelluläre Neurobiologie“**

Aufgabengebiet: Die bzw. der Stelleninhaber/in ist Direktor/in des bisherigen Instituts für Entwicklungsneurobiologie im Zentrum für Molekulare Neurobiologie Hamburg. Vertretung des Faches in Forschung und Lehre. In Ergänzung der im Zentrum bereits vertretenen Forschungsfelder kommen als wissenschaftliche Schwerpunkte beispielsweise in Betracht: Neurale Entwicklung, Degeneration, Regeneration und Signaltransduktion; Synaptogenese und synaptische Plastizität; neurale Stammzellendifferenzierung; neurale Tumoren; Neuroimmunologie. Das Zentrum umfasst drei weitere Institute (Biosynthese neuraler Strukturen; Neurale Signalverarbeitung; Molekulare Neoropathobiologie), zur Zeit vier Nachwuchsforscherguppen, sechs Serviceeinheiten (Massenspektrometrie, Transgene Tiere, Analytik, Elektronenmikroskopie, Bibliothek, EDV). Das Zentrum hat eine eigenständige Verwaltung und arbeitet seit 1996 in einem Neubau mit einer Nutzfläche von 6.300 qm.

Lehrverpflichtung: 4 LVS, einzubringen im Aufbaustudium „Molekularbiologie/Biochemie“ und im Graduiertenprogramm. **Einstellungsvoraussetz.** Gem. § 15 HmbHG. Nachweis der für das Aufgabengebiet erforderlichen hohen Qualifikation in der Forschung und Lehre. Leitungserfahrung. Die Bewerberin bzw. der Bewerber sollte in einem besonders hohen Maße zur interdisziplinären Zusammenarbeit befähigt sein. **Bewerbungsschluss: 14.12.2001**

Die Universität Hamburg legt auch auf die Qualität der Lehre besonderes Gewicht. Zu diesem Zweck sind Lehrerfahrungen und Vorstellungen zur Lehre darzulegen. Nachweise über die Einwerbung von Drittmitteln sind beizufügen.

Die Universität Hamburg strebt eine Erhöhung des Anteils von Frauen am wissenschaftlichen Personal an und fordert deshalb qualifizierte Frauen nachdrücklich auf, sich zu bewerben. Schwerbehinderte haben Vorrang vor gesetzlich nicht bevorrechtigten Bewerberinnen und Bewerbern gleicher Eignung, Befähigung und fachlicher Leistung.

Bewerbungen mit tabellarischem Lebenslauf sowie vorerst nur Schriften- und Lehrverzeichnis und eine Darlegung der Lehrerfahrung sowie der Vorstellungen zur Lehre werden unter Angabe der Kennziffer erbeten an den Präsidenten der Universität Hamburg, Referat Personal & Organisation –332.11–, Moorweidenstraße 18, 20148 Hamburg.

TOR ZUR WELT DER WISSENSCHAFT

POSITIONS OPEN

CELL BIOLOGY/ GROSS ANATOMY POSITIONS

The University of New England invites applications for two positions in the Department of Biological Sciences.

(1) **ASSISTANT PROFESSOR:** cellular, developmental, and/or molecular biology. This nine-month, tenure-track position starts August 26, 2002. Requirements: Doctoral degree in biology or a related field, demonstrated commitment to teaching, and ability to maintain a research program that includes undergraduates. Preference will be given to candidates whose research interests enhance departmental strengths in marine and medical biology.

(2) **LABORATORY INSTRUCTOR/DISECTOR:** gross anatomy. This 12-month, staff position starts June 1, 2002. Requirements: Master's/Doctoral degree in anatomy, physical/occupational therapy, physician assistance, or other related professional field required. Commitment to teaching integrated health professions is preferred.

For full consideration, applications must be received by December 15, 2001. Applications should include curriculum vitae, transcripts, statement of teaching philosophy, and three letters of reference. In addition, applicants for the tenure-track position should submit statement of research interests/goals. Materials should be sent to: **David A. Sandmire, M.D. (cell biology)** or **Frank Daly, Ph.D. (anatomy)**, Department of Biological Sciences, University of New England, 11 Hills Beach Road, Biddeford, ME 04005. Please see our website: <http://www.une.edu> for further job information.

The University of New England is an Equal Opportunity/Affirmative Action Employer that strongly encourages the application of candidates of diverse backgrounds.

FACULTY POSITION DEPARTMENT OF MOLECULAR AND MEDICAL GENETICS Oregon Health and Science University Portland, Oregon

Applications are invited for an **ASSISTANT PROFESSOR** position. The Department seeks individuals who have demonstrated research excellence in eukaryotic genetics. Applicants with special expertise in molecular and developmental genetics are encouraged to apply in order to complement existing programs. Applicants should include curriculum vitae, a brief description of research accomplishments and future research goals, and the names of three references. Deadline is February 1, 2001. Please address applications to:

Markus Grompe, M.D.
c/o Glenda Benton

Department of Molecular
and Medical Genetics, L103
Oregon Health and Science University
3181 S.W. Sam Jackson Park Road
Portland, OR 97201-3098

Website: <http://www.ohsu.edu/som-genetics/>

OHSU is an Equal Employment Opportunity/Affirmative Action Employer.

The Departments of Botany and Zoology are jointly searching for two tenure-track positions in ecology. We seek colleagues who share our enthusiasm for an integrated program in biology. We expect to hire at the **ASSISTANT PROFESSOR** level, but exceptional candidates at the **ASSOCIATE** and **FULL PROFESSOR** rank may be considered if they have a demonstrated record of mentoring students in economically and ethnically diverse populations. Applications (cover letter, research and teaching statements, curriculum vitae, sample reprints, and three letters of recommendation) should be sent to: **Chair, Ecology Search Committee, Box 355325, University of Washington, Seattle, WA 98195-5325**. Priority will be given to applications received by 30 November 2001. *The University of Washington is building a culturally diverse faculty and strongly encourages applications from women and minority candidates. The University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

FACULTY POSITION Molecular Cardiovascular Biology

The Division of Molecular Cardiovascular Biology housed within the Department of Pediatrics, Children's Hospital Medical Center, is seeking applications for one **TENURE-TRACK POSITION**. Rank will be commensurate with experience. The successful candidate will have the Ph.D. or M.D./Ph.D. degree and at least two years of postdoctoral research experience. Division faculty are encouraged to join the multidisciplinary graduate program in molecular and developmental biology. They will also have the opportunity to participate in graduate student training and the teaching programs of the University of Cincinnati College of Medicine, although teaching duties are normally minimal with less than five lectures/year. Programmatic needs of the Division dictate that the applicant have a demonstrated track record in either molecular aspects of cardiogenesis, normal or abnormal heart development/function, genetic basis of cardiovascular disease, signaling, molecular approaches to cardiac physiology, gene regulation, or the application of global genomic approaches to the cardiovascular system. The successful applicant will be joining a highly productive and interactive core faculty (website: http://www.cincinnatichildrens.org/chrf/research_programs/divisions/32). A focus on mechanistic approaches is expected. Ample laboratory space in a new building and a generous, multiyear start-up package will be provided. Applications should include a comprehensive curriculum vitae and the names of three references. A summary of past research and future plans for an independent research program should be included. Applications should be sent or e-mailed to: **Jeffrey Robbins, Children's Hospital Medical Center, Division of Molecular Cardiovascular Biology, TCHRF Room 3057, MLC 7020, 3333 Burnet Avenue, Cincinnati, OH 45229-3039**. E-mail: jeff.robbs@chmcc.org.

In consideration of our children, the Medical Center is committed to a smoke-free workplace. Children's Hospital Medical Center conducts preemployment drug screening as part of a comprehensive program to maintain a drug-free workplace. Equal Opportunity Employer; Minorities/Females. Minorities are encouraged to apply.

DUKE BIOINFORMATICS AND GENOME TECHNOLOGY FELLOWSHIP

Duke University's BGT program is a specialized Postdoctoral program training future leaders in computational biology and functional genomics. The Center for Bioinformatics and Computational Biology in collaboration with the Center for Genome Technology runs this program within Duke's Institute for Genome Sciences and Policy. This particular project is to develop advanced computational and bioinformatics tools for analysis of SAGE and other large-scale expression data with a focus on identifying cancer-related genes. The Fellow will interact with faculty and personnel in statistics, neuro-oncology, and the Cancer Genome Anatomy Project. Competitive applicants will have a Ph.D. in computer science, statistics, engineering, or a quantitative science. Knowledge of genome science, UNIX/Linux, databasing, web applications, and programming are all desirable. This opportunity has competitive salary and benefits and cross-disciplinary training in a leading genome science environment (websites: <http://bioinformatics.duke.edu/cbcb> and <http://rigginslab.mc.duke.edu>). Send curriculum vitae (including computer skills and research interests) and names of three references to e-mail: greg.riggins@duke.edu; FAX: 919-681-2796. *Equal Opportunity Employer.*

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION Environmental and Occupational Health School of Health Sciences Purdue University

The position is a full-time, tenure-track, academic-year faculty appointment at the **ASSISTANT PROFESSOR** level in the School of Health Sciences at Purdue University, a state university. Outstanding applicants will be considered for a higher faculty rank. Applicants will be considered in the general area of environmental health. Those with interests in toxicology or risk assessment are especially encouraged to apply. The successful applicant will participate in teaching undergraduate and graduate courses in health sciences. The applicant must have a Ph.D. or equivalent and will be expected to maintain an independent, externally funded research program and to supervise graduate students. Purdue is one of the top 10 universities in engineering and science and interdisciplinary research is highly valued and encouraged.

Applications should be sent to: **Dr. George A. Sandison, Head and Chair, Search Committee, Purdue University, School of Health Sciences, West Lafayette, IN 47907-1338**. Telephone: 765-494-1419; e-mail: sandison@purdue.edu; website: <http://www.purdue.edu/HSCI/>.

Interested applicants should submit a letter of introduction that includes a statement of research interests and goals; curriculum vitae including a list of publications; past and current research funding; and the names, addresses, and telephone numbers of three references. Applications will be received and reviewed immediately, and the search will continue until the position is filled.

Purdue University is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE CHIEF OF STAFF FOR RESEARCH

Philadelphia Veterans Affairs Medical Center

Applications are invited for the position of Associate Chief of Staff (ACOS) for Research at the Philadelphia Veterans Affairs Medical Center (PVAMC). The PVAMC is affiliated with the University of Pennsylvania School of Medicine. *Qualified candidates must possess U.S. citizenship and an M.D. degree in addition to demonstrated excellence in research, experience in administration, leadership capability, and a commitment to sustaining an outstanding research environment at the PVAMC.* The individual should qualify for an appointment at the **ASSOCIATE PROFESSOR** or **PROFESSOR** level in the University of Pennsylvania School of Medicine. The ACOS must be willing to act as a mentor to PVAMC staff members who are preparing grant applications and conducting research. In addition, the incumbent will be expected to assume a leadership role in research compliance efforts at the PVAMC and in four smaller VA medical centers that are geographically and administratively linked with this facility. Please submit letter of application together with curriculum vitae to: **Brendan J. Minihan, Office of the Chief of Staff (11), Philadelphia VA Medical Center, University and Woodland Avenues, Philadelphia, PA 19104**. E-mail: brendan.minihan@med.va.gov. Responses as attachments in MS Word format are encouraged.

The PVAMC and the University of Pennsylvania are Equal Opportunity/Affirmative Action Employers.

Environmental studies (two positions). The University of New England invites applications for two positions, one tenure-track **ASSISTANT PROFESSOR** and one sabbatical replacement Instructor, both to begin fall 2002. Ph.D. or J.D. required. For details about each position, contact e-mail: esaboski@mailbox.une.edu. Please submit curriculum vitae; statement of teaching philosophy and interests; research plans; and three letters of reference by November 30, 2001, to: **Eleanor Saboski, Chairperson, Department of Environmental Studies, University of New England, Hills Beach Road, Biddeford, ME 04005**. *University of New England is an Equal Employment Opportunity/Affirmative Action Employer.*

**Assistant/Associate Professor
Ovarian Cancer Center of Excellence
Magee-Womens Research Institute/
University of Pittsburgh Cancer Center**

The University of Pittsburgh, Department of Obstetrics, Gynecology and Reproductive Sciences in collaboration with Magee-Womens Research Institute and the University of Pittsburgh Cancer Institute are seeking tenure-track Assistant or Associate Professors to expand our laboratory effort in ovarian cancer. The successful candidate(s) will be expected to establish a vigorous independent research program that focuses on, but is not necessarily limited to, the role of genetic, hormonal and environmental factors in ovarian carcinogenesis. Additionally, the successful candidate(s) will be expected to participate in translational research studies in chemoprevention and early detection as part of the Ovarian Cancer Center for Excellence. Previous experience in the molecular biology of ovarian and/or breast cancer is highly desirable. Primary appointment will be in the Department of Obstetrics and Gynecology with secondary appointment in an appropriate basic science department. Competitive start up packages are available.

Interested applicants should send a letter describing their research interests and curriculum vitae to:

**Holly H Gallion, MD
Professor, Obstetrics, Gynecology and
Reproductive Sciences
Magee-Womens Hospital
300 Halket Street
Pittsburgh, PA 15213
Hgallion@mail.magee.edu**

*The University of Pittsburgh and University of Pittsburgh
Physicians are Equal Opportunity/Affirmative Action Employers.
Minorities and women are encouraged to apply.*

**MRC Laboratory of Molecular Biology, Cambridge
Group Leader Position
in Biological NMR Spectroscopy**

The Structural Studies Division is seeking to appoint a Group Leader with a strong biological research program and a commitment to using solution state NMR spectroscopy as the primary experimental tool. The appointment will be at tenure-track or tenured level, according to the qualifications and experience of the appointee. Besides NMR, the Division has groups using X-ray crystallography, electron microscopy and computational analysis within a wide-ranging programme in structural biology. As well as excellent wet-lab. facilities, the laboratory is equipped with 800 MHz, 600 MHz, 500 MHz (with cryoprobe) and 300 MHz NMR spectrometers.

The appointment will be made within MRC Band 2, with a starting salary from £30,500 depending on qualifications and experience plus a scientific supplement of 6%. Further information on the LMB can be found at www.mrc-lmb.cam.ac.uk, and informal enquiries about this position may be addressed to: Drs David Neuhaus (tel +44 1223 402416; e-mail: dn@mrc-lmb.cam.ac.uk) or Kiyoshi Nagai (tel +44 1223 402292; e-mail: kn@mrc-lmb.cam.ac.uk).

Applications should include a full CV and the names and addresses of two professional referees who can be contacted prior to interview. Quoting job reference SS/1001/14

e-mail your application to: recruit@mrc-lmb.cam.ac.uk

or alternatively, post to:
Mrs Lesley Flood, Personnel Officer,
MRC Centre, Hills Road, Cambridge, CB2 2QH.

Closing date: 7 December 2001

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Equal Opportunities Employer and operates
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MRC
Medical Research Council

**FELLOWSHIPS FOR POSTDOCTORAL
SCHOLARS AT WOODS HOLE
OCEANOGRAPHIC INSTITUTION**

Fellowships are available to new or recent doctoral graduates in diverse areas of research. Interested persons are encouraged to submit applications no later than January 15, 2002.

Departments of Applied Ocean Physics & Engineering; Biology; Marine Chemistry & Geochemistry; Geology & Geophysics; Physical Oceanography. Applicants who wish to conduct research on topics of general interest to one or more of the departments are encouraged to apply. Six to eight awards are anticipated.

Institutes: With the aim of fostering interdisciplinary research addressing critical issues, WHOI has established four new institutes. A fellowship is available to support research associated with each of the Institutes. The Institutes and their research themes are:

Ocean Life Institute. Exploration and Characterization of Ocean Biodiversity; Indicators and Assessment of the Health of Marine Ecosystems; Development of New Sensors, Instruments and Analyses for Ocean Biology.

Ocean and Climate Change Institute. Role of the Atlantic Ocean in Modes of Climate Variability and Monitoring to Improve Climate Forecasts; Ocean and Atmosphere Interactions; Thermohaline Circulation and Abrupt Climate Change.

Earth and Ocean Exploration Institute. Dynamics of the Deep Earth; Crustal Accretion Processes; Gas Hydrates; Earth Ocean-Life interactions; and Seafloor Observatory Science and Instrumentation.

Coastal Ocean Institute. Mechanisms Providing Nutrients to Drive Primary Productivity, and Fate of Organic Matter from Primary Productivity.

The NOAA-WHOI Cooperative Institute for Climate & Ocean Research (CICOR) will also award a Fellowship in one of three theme areas: Coastal Processes; Climate; Marine Ecosystems.

National Ocean Sciences Accelerator Mass Spectrometry Facility, funded by the National Science Foundation, will award two fellowships. Research themes are studies of radiocarbon in oceanic systems and developments in accelerator mass spectrometry and related techniques.

Recipients of awards are selected competitively, with primary emphasis placed on research promise. Fellowships are awarded for 18-month appointments with a stipend of \$45,250 per year, a modest research budget and eligibility for group health insurance. Recipients are encouraged to pursue their own research interests in association with Resident Scientific and Senior Technical Staff. Communication with potential WHOI advisors prior to submitting an application is encouraged. Completed applications must be received by January 15, 2002 for the 2002/2003 appointments. Awards will be announced in March.

Further information and application forms may be obtained through the Education section of the WHOI World Wide Web homepage at: <http://www.whoi.edu/education>, or by writing directly to:

**Dean
Education Office, MS #31
Woods Hole Oceanographic Institution
Woods Hole, MA 02543-1541
Telephone: (508) 289-2950
Fax: (508) 457-2188
E-mail: postdoc@whoi.edu
Internet: <http://www.whoi.edu/education>**



**Woods Hole
Oceanographic Institution**

Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN



The Department of Pediatrics at Columbia University seeks applications to fill a faculty position as **DIRECTOR OF PERINATAL RESEARCH** on or about July 2002. We are looking for an established Investigator at the **ASSOCIATE PROFESSOR** or **PROFESSOR** level (M.D., M.D./Ph.D., or Ph.D.) with a strong record in mammalian development with respect to fetal or neonatal biology. The successful candidate will establish an independent research program, act as a mentor for Fellows and junior faculty, and interact with others in an active and broad division with multidisciplinary programs that include cardiorespiratory physiology, clinical nutrition, fetal pharmacology and pharmacokinetics, neonatal brain imaging, fetal and neonatal origins of adult disease, and a number of clinical trials. The candidate will be able to take advantage of the rich and varied research in developmental biology at the medical school. Submit letter of interest and curriculum vitae to: **Dr. Richard Polin, Director of Neonatology, Columbia University College of Physicians and Surgeons, 3959 Broadway, BHS-115, New York, NY 10032.** Columbia University is an Affirmative Action/Equal Opportunity Employer and is particularly interested in applications from women and minorities.

MARINE BIOLOGIST Search Extended

Tenure-track position, nine-month, **ASSISTANT PROFESSOR** level. Research area open to any marine organismal discipline including interdisciplinary studies that complement existing programs in (1) ecology, organismal, and evolutionary biology; and (2) physiology, cell, and developmental biology of marine organisms. Ph.D. required; postdoctoral experience preferred. Demonstrated potential to establish an extramurally funded research program. Initial teaching responsibilities will include an introductory course in marine biology and an upper-level course in the candidate's area of specialization. The successful candidate will assume the duties of Coordinator of the undergraduate curriculum in marine biology.

Evaluation of applicants will begin 15 December 2001 and will continue until the position is filled. Submit curriculum vitae, brief statement of research and teaching interests, and three letters of reference and also include a statement of how you would develop a contemporary program in marine biology within the context of a comprehensive university. Send materials to: **Dr. Raymond Henry, Search Committee Chair, Department of Biological Sciences, 101 Life Sciences Building, Auburn University, Auburn, AL 36849-5407.** For more information, see the departmental website: http://www.auburn.edu/academic/science_math/biology. Auburn University is an Equal Opportunity/Affirmative Action Employer and actively seeks applications from qualified women and minority candidates.

POSTDOCTORAL POSITION Washington University St. Louis, Missouri

We have an immediate opening for a Postdoctoral Research Associate in the Department of Obstetrics and Gynecology. Our research focuses on the mechanisms that determine placental development and function. Utilizing molecular and biochemical approaches, we analyze the function of nuclear proteins that regulate differentiation of placental trophoblasts and their response to injury. Applicants should have a Ph.D. degree and exhibit interest and preferably expertise in gene regulation and modern gene expression technology. Send curriculum vitae, research experience, and names of two references to: **Yoel Sadovsky, M.D., Washington University, Department of OBGYN, Campus Box 8064, 4566 Scott Avenue, St. Louis, MO 63110.** E-mail: sadovsky@msnotes.wustl.edu.

Washington University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

TENURE-TRACK POSITION IN BIOLOGY The Claremont Colleges

Claremont McKenna, Pitzer, and Scripps Colleges seek a broadly trained Molecular Biologist for a tenure-track position. Appointment will be made at the **ASSISTANT PROFESSOR** level to begin July 2002. Teaching responsibilities will include participation in the introductory biology sequence, teaching a course for nonscience majors, and offering advanced undergraduate courses in molecular biology (with laboratories) and another topic. Possible additional areas of interest include genetics, neurobiology, and immunology. The successful candidate will be expected to sustain an active research program involving undergraduates. A Ph.D. degree, prior teaching experience, and a record of scholarly publication are required. Postdoctoral experience is preferred.

The Biology program is part of the Joint Science Department (website: <http://www.jsd.claremont.edu>), an interdisciplinary department that serves three selective liberal arts colleges in the Claremont Colleges consortium. The faculty consists of 11 Biologists, seven Chemists, and four Physicists. The Department offers major programs in these fields as well as various interdisciplinary topics.

Send curriculum vitae, statements outlining teaching interests and philosophy, and research interests to: **Molecular Biology Search Committee, W.M. Keck Science Center, 925 North Mills Avenue, Claremont, CA 91711.** Arrange to have three letters of recommendation sent to the same address. Questions may be addressed to: **Professor David Sadava; e-mail: dsadava@jsd.claremont.edu.** Review of applications will begin on December 3, 2001, and continue until the position is filled.

In a continuing effort to enrich our academic environment and provide Equal Educational and Employment Opportunities, The Claremont Colleges actively encourage applications from women and members of historically underrepresented groups in higher education.

A POSTDOCTORAL RESEARCH ASSOCIATE POSITION is immediately available to study phosphorus, aluminum, iron, and carbon cycling in floodplain forests. A Ph.D. in biogeochemistry or related discipline is required. Expertise in wetland hydrology, water quality, NMR spectroscopy, radioisotopes, small watercraft, and Southeastern ecosystems is preferred. A second **RESEARCH ASSOCIATE POSITION** is also available in the same area, and it requires either an M.S. or Ph.D. in biogeochemistry and similar or complementary expertise. Send curriculum vitae, reprints, and names of three references (including contact information) to: **Mark R. Walbridge, Chair, Department of Biology, West Virginia University, P.O. Box 6057, Morgantown, WV 26506-6057.** Telephone: 304-293-5201, Extension 2501; FAX: 304-293-6363; e-mail: mark.walbridge@mail.wvu.edu. Hard copy applications are required. Review of applications will begin January 2, 2002, and continue until position is filled. WVU is an Affirmative Action/Equal Employment Opportunity Employer.

NEUROBIOLOGISTS University of Pittsburgh

POSTDOCTORAL POSITIONS are available immediately to study synaptic computation in sympathetic ganglia. Projects will determine how interactions between ionotropic and metabotropic synapses regulate cellular information processing in circuits that regulate cardiovascular function and body temperature. These positions require experience in one of the following areas: (1) whole cell patch clamp analysis of membrane currents; (2) use of sharp electrodes to identify, fill, and reconstruct neurons; (3) molecular biology of ion channels; or (4) computational modeling of neural circuits. Send curriculum vitae and names of three references to: **Dr. John P. Horn, Department of Neurobiology, E1440 BST, University of Pittsburgh School of Medicine, Pittsburgh, PA 15261.** E-mail: jph@pitt.edu. The University of Pittsburgh is an Affirmative Action/Equal Employment Opportunity Employer.

POSITIONS OPEN



FACULTY POSITION IN BIOINFORMATICS Department of Biology Arizona State University Tempe, Arizona

The Department of Biology is seeking candidates working in the area of bioinformatics for a tenure-track **ASSISTANT PROFESSOR** position starting fall 2002. Qualified candidates must have earned a Ph.D. or a Doctoral-level degree with a research emphasis in computational biology, mathematical biology, or a related area of computational bioscience by their appointment date. Applicants should show evidence of promise in research and teaching. The successful candidate will be provided with a highly competitive salary and start-up package and will be expected to publish and secure external funding in bioinformatics, provide high-quality teaching of related courses, and participate in interdisciplinary research initiatives. Send curriculum vitae, a statement of research and teaching interests, copies of representative publications, and three letters of recommendation to: **Bioinformatics Search Committee, Department of Biology, Arizona State University, Tempe, AZ 85287-1501.** Applicant deadline is 15 January 2002 with applications reviewed weekly thereafter until the position is filled. Arizona State University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT OR ASSOCIATE MEMBER Roswell Park Cancer Institute

The Cancer Prevention Program at Roswell Park Cancer Institute, Buffalo, New York, is seeking to fill a faculty position at the **ASSISTANT** or **ASSOCIATE MEMBER** level (depending on qualification) in the area of cancer chemoprevention. Candidates are expected to have an active program of laboratory or translational research focused on chemoprevention of breast, prostate, or colon cancer. Individuals with the following expertise are of special interest to the Cancer Prevention Program: (1) mechanism of action of chemopreventive agents targeted to cell signaling pathways, (2) use of transgenic models to study molecular carcinogenesis and chemoprevention, and (3) development of biomarkers to evaluate efficacy of intervention. The philosophy of the Cancer Prevention Program is anchored to the concept of building a multidisciplinary approach with Epidemiologists, Basic Scientists, and Clinicians. Excellent core facilities are available in the Institute. These include microarray analysis, flow cytometry, confocal and electron microscopy, biopolymer synthesis and sequencing, transgenic and knockout mouse development, laser capture microdissection, high-throughput genotyping, and a small animal MRI. Interested candidates should send curriculum vitae, the names and addresses of three references, and a two- to three-page summary of research interests to: **Cancer Chemoprevention Search Committee, c/o Dr. Clement Ip, Department of Experimental Pathology, Roswell Park Cancer Institute, Elm and Carlton Streets, Buffalo, NY 14263.** Roswell Park is an Equal Opportunity Employer/Affirmative Action.

Trauma Research is looking for a **POSTDOCTORAL SCIENTIST** to study physiological and molecular mechanisms of systemic inflammation with emphases on fever and hypothermia. The successful applicant will conduct basic research in rodent models along his/her line of excellence and have an opportunity to apply *ex vivo* methods to study trauma disease in humans. Experience with immunoassays, basic molecular biology, and histochemistry is desired. Familiarity with the biochemistry of LPS, innate immunology, or thermophysiology is an advantage. Mail your application letter, curriculum vitae, and reprints of representative papers to: **Dr. A. A. Romanovsky, St. Joseph's Hospital, 350 West Thomas Road, Phoenix, AZ 85013.** Affirmative Action/Equal Opportunity Employer.

**University of North Texas, Denton,
Texas**

**Atmospheric Science
Eukaryotic Genetics
Integrative/Animal Physiology**

The Department of Biological Sciences (www.biol.unt.edu) invites applications for three tenure track/tenured positions beginning in September 2002. Successful candidates will be expected to contribute to a strong research program and participate in instruction at the undergraduate and graduate levels. Preference will be given to candidates with existing external funding.

Atmospheric Scientist - The department seeks an outstanding air pollution scientist at the rank of Associate or Full Professor. The successful candidate will add air quality as a new, but complementary theme to an active research unit whose strengths have traditionally been in water and land resources. The faculty member will interact with existing programs, conduct research in any of a wide range of air pollution specialties, and will be responsible for making air resources another highly active and visible theme in the Environmental Science Program. The successful candidate will participate in building and strengthening the Environmental Health program, a graduate program jointly administered with the UNT School of Public Health.

Eukaryotic Geneticist - An outstanding eukaryotic geneticist at the rank of Assistant or Associate Professor is sought. Preference will be given to applicants whose research complements an existing group of funded scientists working in the area of molecular biology and plant biotechnology. Candidates working with model organisms are especially encouraged to apply. The faculty member will be responsible for teaching a course in genetics to undergraduate majors and for a graduate course in the faculty member's research area.

Integrative/Comparative Animal Physiologist - An active researcher at the rank of Assistant or Associate Professor is sought. The department offers excellent opportunities to interact with funded research faculty in the areas of evolutionary and developmental physiology and neuroscience. Teaching responsibilities will involve developing a course in comparative physiology for biology majors and graduate courses appropriate to the faculty member's specialty.

Located in the Dallas-Fort Worth metroplex, the University of North Texas is a growing institution with an enrollment of approximately 28,000 students. Excellent research facilities and competitive salary and start-up funds are available. The department offers undergraduate and graduate (M.S./Ph.D.) degrees in biology, biochemistry, molecular biology, and environmental science. Submit curriculum vitae, names of three references, and statement of research goals to:

Earl G. Zimmerman, Chair
Department of Biological Sciences
P.O. Box 305220
University of North Texas, Denton, TX
76203-5220

Review of applications will begin on December 15, 2001.

The University of North Texas is an Equal Opportunity/Affirmative Action Institution committed to diversity in its employment and educational programs, thereby creating a welcoming environment for everyone.

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

National Research Council Summer Faculty Fellowships at Air Force Research Laboratories

- ◆ 25 to 100 Fellowships in 2002 ◆ generous stipend ◆
- ◆ daily expense allowance where applicable ◆
- ◆ 8-14 continuous weeks between April 29 and September 30 ◆

Locations: Wright-Patterson AFB, OH; Kirtland AFB, NM; Brooks AFB, TX; Rome, NY; Tyndall AFB, FL; Eglin AFB, FL; Edwards AFB, CA; Hanscom AFB, MA; USAF Academy, CO

Eligibility: US citizens or legal permanent US residents
Full-time faculty with Ph.D. in science or engineering working at accredited baccalaureate granting US institutions.

For further information and application materials, see the NRC Web site at:

www.national-academies.org/rap.

If assistance is needed, contact:

Mail: National Research Council, 2101 Constitution Ave NW, TJ 2114/SF
Washington, DC 20418

E-mail: rap@nas.edu **Tel:** 202-334-2760 **Fax:** 202-334-2759

Application deadline — January 15, 2002

At CURIS, we're developing products that restore health through regenerative therapeutics. Using technologies and insights gained from developmental biology studies, we're facilitating the discovery and development of new approaches to repair and regenerate tissues and organs that have been damaged by disease or trauma. Join us as we continue to develop our pipeline of promising new therapies for the treatment of neurological disorders, diabetes, oncology, cardiovascular and renal disease.

Senior Scientist

Lead a developmental biology project team, including PhD Scientists and Research Associates, focused on identifying and evaluating small molecule drug candidates. Direct your team's use of developmental biology processes to gain greater understanding of gene expression and drug interactions in cellular mechanisms. Requires a PhD in Biochemistry, Biology or Immunology; 4+ years' biotech/pharmaceutical research experience; and a research background in the investigation of novel gene structure/function in the developmental process. Additionally, you must document your experience with hedgehog signal transduction and embryology, and your knowledge of DNA library, screening, expression and targeting vector construction; recombinant protein expression/purification; in vitro protein functional assay development; cell transfection methodologies; and genetic mouse manipulations. Publication in peer-reviewed journals and/or presentations at scientific conferences also necessary. Job Code: SS210-MS.

Deadline for application: December 9, 2001.

Send resume and cover letter, referencing job code, to:

Leslie Bowden, Human Resources, CURIS, Inc.,
21 Erie Street, Cambridge, MA 02139; Fax (617) 499-2927.
Or email: jobs@curis.com

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POSITIONS OPEN

ASSISTANT PROFESSOR POSITION FISHERIES BIOLOGY Central Michigan University

The Department of Biology invites applications from broadly trained individuals for an Assistant Professor tenure-track position in fisheries biology beginning August 2002 or earlier. Candidates are expected to have a Ph.D. in the biological sciences; excellent verbal and written communication skills; and demonstrate a strong commitment to and potential for teaching, research, and external funding. Postdoctoral experience is preferred. Teaching responsibilities include courses in ichthyology, conservation of natural resources and fisheries conservation, instruction in the individual's area(s) of expertise at the undergraduate and M.S. level, and ability to contribute to the Department's introductory program. Submit a letter of application, curriculum vitae, copies of all transcripts, statement of teaching philosophy and statement of proposed research plans, and three letters of recommendation to: **Fisheries Biologist Search Committee, Department of Biology, Central Michigan University, Mt. Pleasant, MI 48859**. Review of applications will begin December 1, 2001, and continue until position is filled. Departmental information is available at website: <http://www.cst.cmich.edu/units/bio>. Serving more than 27,000 students, Central Michigan University is an innovative Doctoral/research-intensive institution recognized for strong undergraduate education and a range of focused graduate programs and research. CMU, an Affirmative Action/Equal Opportunity institution, is strongly and actively committed to increasing diversity within its community (see website: <http://www.cmich.edu/aaeo/>).

PROTEIN CRYSTALLOGRAPHER Institute of Materials Science and Department of Molecular and Cell Biology The University of Connecticut

Applications are invited for a tenure-track, full-time faculty appointment at the **ASSISTANT or ASSOCIATE PROFESSOR** level. Applicants must have a Doctorate degree in a biochemical, chemical, or biophysical field and postdoctoral experience. The research area of interest is X-ray crystallography of proteins or protein/nucleic acids complexes, which will complement current research strengths in structural biology. The successful candidate will teach undergraduate and graduate courses in the Department of Molecular and Cell Biology and will be affiliated with the Polymer Program of the Institute of Materials Science. The successful candidate will be expected to establish a productive, extramurally funded research program. A part of the 28-member Department of Molecular and Cell Biology will soon expand into a new building adjacent to the Institute. The Institute is an interdisciplinary research facility that houses the 14-member Polymer Program and the X-ray diffraction facilities. The anticipated starting date is August 2002. To apply, submit curriculum vitae, a brief statement of research and teaching interests, and arrange to have three letters of recommendation sent to: **Search Committee Number 2, Institute of Materials Science, University of Connecticut, 97 North Eagleville Road, U-3136, Storrs, CT 06269-3136**. Review of applications will begin after publication of this notice and will continue until the position is filled. *We encourage applications from underrepresented groups including minorities, women, and people with disabilities.* (Search Number 02A170)

University of Prince Edward Island seeks candidates for its new **CHAIR IN RESPIRATORY RESEARCH**. This leadership position will foster synergies with Canadian and world networks of respiratory researchers and be part of the PEI Health Research Institute at UPEI. The Chair will be appointed to an appropriate faculty. Candidates must hold an appropriate research degree and have demonstrated research expertise in sociobehavioural, genetic, biomedical, and/or environmental facets of asthma. For information or to submit a candidacy, write to e-mail: research@upe.ca. Details at website: <http://www.upei.ca/asthma>.

POSITIONS OPEN

FACULTY POSITIONS Department of Physiology and Biophysics University of Washington

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

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

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

ASSISTANT PROFESSOR Neural Development The Johns Hopkins University

The Department of Biology of The Johns Hopkins University invites outstanding applications for a tenure-track faculty appointment in the field of cellular and developmental neurobiology. The successful candidate will be expected to establish a vigorous research program. She or he will also be expected to participate in graduate and undergraduate teaching of cellular, molecular, and developmental neuroscience.

Information about the Department's faculty, research interests, and resources may be obtained at the Department's website: <http://www.bio.jhu.edu/>.

Applicants should submit curriculum vitae (including the names and addresses of three references) together with a statement of current and planned research and arrange to have three letters of recommendation sent to:

**Chair, Search Committee
Cellular and Developmental Neurobiology
Department of Biology
The Johns Hopkins University
3400 North Charles Street
Baltimore, MD 21218**

Deadline for receipt of applications is January 4, 2002.

The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are especially encouraged to apply.

ASSISTANT MONUMENT MANAGER, Biological Sciences Division, Grand Staircase-Escalante National Monument, GS-301-12/13. *Open to all qualified U.S. citizens.* Strong background in biological sciences and experience in natural resource management required. Responsibility for rangeland resources, ecosystem management, wildlife, aquatic resources, threatened and endangered species, botany/vegetation, fire programs, and supervising a staff of 18. Permanent/career conditional position; salary range: \$51,927 to \$80,279. Duty station: Kanab, Utah.

For information, write: **GSENM, Attention: Science Program Administrator, 180 West 300 North, Kanab, UT 84741**. Contact: **Kate Cannon, Monument Manager; Telephone: 435-644-4330; e-mail: kcannon@blm.gov**.

POSITIONS OPEN

PHYTOCHEMIST Southern Illinois University Carbondale

The Department of Plant Biology (website: <http://www.science.siu.edu/plant-biology>) invites applications for a tenure-track **ASSISTANT PROFESSOR** position in the area of natural products chemistry. Candidates should be investigating fundamental questions specific to plant/fungal biology at a mechanistic level. Candidates with interests in pathway analysis/metabolomics, secondary metabolism of wild plants, plant chemicals in natural systems, or biochemical responses of plants to the environment are particularly encouraged to apply. The successful candidate must have a Ph.D., a strong record of research accomplishments, and will be expected to develop an externally funded research program in his/her area of expertise. Teaching responsibilities include an introductory course in plant biology and development of a graduate course in his/her area of expertise. Please send curriculum vitae, a brief statement of current and future research, three representative reprints, and three letters of recommendation that consider both research and teaching potential to: **Dr. Andrew J. Wood, Department of Plant Biology, Southern Illinois University, Carbondale, Carbondale, IL 62901-6509**. E-mail: wood@plant.siu.edu. Completed applications will be reviewed commencing November 14, 2001, and continue until the position is filled. Appointment will become effective August 16, 2002. *Southern Illinois University Carbondale is an Equal Opportunity Employer/Affirmative Action. Qualified women and minorities are encouraged to apply.*

POSTDOCTORAL POSITION available to study the neurobiology of emotion and sleep. Opportunity to use electrophysiological and neuropharmacological methods as well as mouse models to examine limbic and emotional influences on sleep. Applicants must demonstrate a strong background in behavior and neurophysiology and/or behavioral genetics and excellent oral and written communication skills. A Ph.D. or M.D. is required. Qualified applicants should e-mail curriculum vitae, statement of research interests, and the names of three references to: **Larry D. Sanford, Ph.D., Department of Pathology and Anatomy, Eastern Virginia Medical School, 700 Olney Road, Norfolk, VA 23501**. E-mail: sanfordl@evms.edu. *Eastern Virginia Medical School is an Affirmative Action/Equal Opportunity Employer.*

Two NIH-funded **POSTDOCTORAL POSITIONS** are available immediately to work on projects in aging and transcriptional silencing; telomere length regulation; or telomerase using molecular genetic, genomic, and biochemical approaches. Experience in biochemistry, genomics, molecular genetics, or mass spectrometry is preferred. The projects offer broad-based training in the above fields using the state-of-the-art facilities in the new Lerner Research Institute. Interested candidates should send their résumé and contact information for three references to: **Dr. Kurt Runge, Cleveland Clinic Foundation, The Lerner Research Institute, Department of Molecular Biology, 9500 Euclid Avenue, NC20, Cleveland, OH 44195**. Also see website: <http://www.lerner.ccf.org/pi/runge.html>.

A **POSTDOCTORAL POSITION** is available for a Ph.D. Scientist with a strong background in molecular and cellular biology. Projects focus on the role of the Src tyrosine kinase in intestinal cell growth control. Funding is through an NIH grant. *Candidates must be U.S. citizens or permanent residents with a Ph.D. degree.* Send curriculum vitae to: **Chris Cartwright, M.D., CCSR Building, Room 3115C, 269 Campus Drive, Stanford University, Stanford, CA 94305-5187**. E-mail: chris.cartwright@stanford.edu; FAX: 650-723-5488.

POSTDOCTORAL FELLOW to conduct research in regulation of muscle fat metabolism. Experience in fat metabolism, gene expression, muscle biology, or insulin action desirable. Ph.D. degree a must. Salary: \$48,000 to \$52,000 per year. Curriculum vitae to: **Shalender Bhasin, M.D.; e-mail: sbhasin@ucla.edu**.



NEW DIRECTOR

MRC RADIATION AND GENOME STABILITY UNIT

The MRC Radiation and Genome Stability Unit is responsible for fundamental research into the effects of ionising radiation on cells and organisms. The Unit currently comprises 6 main research groups focusing on the physics and chemistry of radiation action through to the biochemistry, molecular genetics and long-term consequences of DNA damage.

The current Director retires in 2003. MRC seek an internationally leading scientist with breadth, leadership and management skills to direct the Unit, continuing its strong radiation biology programme and broadening its remit to a wider cell biology perspective. The Director will set the overall research strategy and act in an advisory capacity for the MRC and nationally on the effects of ionising radiation. He/she should have a background in cell biology and/or radiobiology

and will lead and develop an internationally competitive research programme.

The Unit is located on the Harwell campus, near Oxford, alongside the MRC Mammalian Genetics Unit and UK Mouse Genome Centre, and nearby to the new synchrotron radiation source (DIAMOND) and the MRC Mary Lyon Centre. The campus provides excellent facilities and research environment for modern programmes in radiobiology and cell biology.

Salary is highly competitive and negotiable, depending on previous experience. MRC is an equal opportunities employer.

Please contact Dr Kevin Young at MKA Management Consulting Ltd to discuss your interests in strict confidence:

Tel: +44 (0) 1628 798015;

e-mail: k.young@mkanet.com



DONALD DANFORTH PLANT SCIENCE CENTER Faculty Positions-Plant Biology

The Danforth Center announces positions for Principal Investigators at the Associate and Assistant Member levels to direct fundamental research programs. Seeking scientists with broad interests/training in at least two scientific disciplines and well-formed research programs that will benefit from interactions with scientists of other disciplines. Demonstration of prior or current support and of interdisciplinary research beneficial. Four faculty appointments will be considered in biochemistry, structural biology, phytochemistry/neutriceuticals, fundamental aspects of animal or human nutrition, cell biology, and abiotic stress biology.

Send resume, brief description of research interests, reprints of three key publications, and names of three references. Visit www.danforthcenter.org, for more information.

Send to: **Ms. Billie Broeker, Human Resources, Donald Danforth Plant Science Center, 975 North Warson Road, St. Louis, MO 63132.**

The Donald Danforth Plant Science Center is an Equal Opportunity/Affirmative Action Employer and encourages applications from underrepresented groups, including minorities, women and people with disabilities.



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

Postdoctoral Research Associate

The **Department of Genetics** has one position immediately available for an enthusiastic individual with a recent Ph.D. or M.D., Ph.D. degree. The Genetics Department, chaired by Dr. Gerard Grosveld, consists of five faculty and thirty support staff. Work in this productive and well-funded laboratory involves studying the role of the MN1-TEL fusion gene and TEL2 in leukemia. Using mouse models we are unraveling the pathways that cooperate with these genes in leukemogenesis. In addition, we are studying the transcriptional cascades controlled by these genes to understand how disturbance of these cascades leads to abnormal growth of hematopoietic progenitor cells. Interested individuals should have practical experience in molecular biology, cell biology and/or biochemistry. St. Jude Children's Research Hospital offers an excellent research environment with state-of-the-art facilities. For additional information, please visit our web site www.stjude.org

Interested individuals should submit a curriculum vitae and three letters of recommendation to:

Gerard C. Grosveld, Ph.D.

Department of Genetics

St. Jude Children's Research Hospital

332 North Lauderdale

Memphis, TN 38105.

Fax # (901) 526 2907.

E-mail: gerard.grosveld@stjude.org.

Please include Job Code 3285 on all correspondence.

SJCRH is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

FACULTY POSITION Biology and Mathematics Kenyon College

The Departments of Biology and Mathematics at Kenyon College invite applications for a joint interdisciplinary, tenure-track position at the **ASSISTANT PROFESSOR** level in a field of computational or mathematical biology. Areas of special interest may include biomathematics, quantitative ecology or evolutionary biology, modeling of organisms or populations, computational approaches to cellular or molecular biology, and biostatistics or bioinformatics.

The successful candidate will teach courses in both departments of mathematics and biology and conduct a vigorous research program involving undergraduates. Generous start-up funds are provided including support from Kenyon's award from the Howard Hughes Medical Institute. The candidate will work with current faculty to develop new collaborative teaching and research in computational and mathematical biology. The candidate's primary appointment will be in the individual department of her/his choice. Qualifications include a Ph.D. in an appropriate discipline, demonstrated commitment to excellent instruction, and the ability to initiate and maintain research with undergraduates.

The Biology Department consists of nine full-time faculty members who are active researchers/teachers, integrating their research into the classroom experience. Faculty research interests span physiological and systems ecology, developmental biology, neurobiology, plant and microbiology, and molecular genetics.

The Mathematics Department consists of six full-time faculty members including two with research interests in biological growth and form, cell biology, population biology, and epidemiology. Other research interests include algebra, analysis, topology, and nonparametric and spatial statistics. For further information on projects combining mathematics and biology, see website: <http://www2.kenyon.edu/depts/Biomath/index.html>.

Kenyon College is a highly selective, private, liberal arts college dedicated to excellent undergraduate education. It has a national student body of about 1,500 students. The campus is located in a beautiful rural setting about 50 miles northeast of Columbus, Ohio.

Applicants should send curriculum vitae, a statement of teaching philosophy and interests, a research statement (including a summary of accomplishments and direction of future research), graduate and undergraduate transcripts, and three letters of recommendation to: **Mathematics and Biology Search Committee, Wendy Busenberg, Higley Hall, Kenyon College, Gambier, OH 43022**. Review of complete applications will begin on December 1, 2001, and will continue until the position is filled. For more information, contact the **Search Committee Chair**; e-mail: mathbiol@kenyon.edu.

Kenyon College is an Equal Opportunity Employer especially committed to building a diverse faculty.

SENIOR RESEARCH ASSOCIATE IN NEUROINFORMATICS Department of Pharmacology University of Colorado Health Sciences Center Denver, Colorado

Develop computational tools for the analysis and visualization of significant new neuroscience data including neurochemistry, neurophysiology, and neuroanatomy. A Ph.D. in neuroscience, computer science, or a related area and broad familiarity with the techniques of computational neuroscience are required. Desirable skills and experience include scientific software development in Lisp, Java, or C++; visualization of neuroscientific data using OpenGL, Java3D, or similar; integrated analysis of diverse datatypes including anatomical, physiological, behavioral, and molecular; knowledge of ethanol research in humans or animal models. The successful applicant will have substantial leeway for innovation in a securely funded research project. Salary will be commensurate with experience. To apply, send curriculum vitae plus three references by e-mail: sue.brozowski@uchsc.edu before December 1, 2001.

POSITIONS OPEN

NEUROSCIENCE ASSISTANT PROFESSORS

Department of Physiology University of California, San Francisco

The Department of Physiology and the Neuroscience Graduate Program of the University of California, San Francisco, seek one or two tenure-track Assistant Professors pursuing research on the function of the central nervous system, particularly as it relates to behavior or perception. The research area may include nontraditional approaches to systems neuroscience such as genetics, advanced imaging, theory, and nonmammalian model systems. A successful applicant will be expected to mount an exciting research program, to participate in graduate and postdoctoral training, to teach in graduate and professional school courses, and to interact with a broad neuroscience community on UCSF's Parnassus campus. The search will remain open until an appointment is made. To ensure full consideration, applications should be submitted by January 2, 2002. Please send curriculum vitae, reprints of one or two key publications, a two-page summary of past research and future goals, and have three letters of recommendation sent to:

**Chair, Neuroscience Search Committee
Department of Physiology, Box 0444
513 Parnassus Avenue, Room S-762
University of California
San Francisco, CA 94143-0444**

The University of California is an Equal Opportunity Employer.

PHARMACEUTICAL CHEMISTRY TEXAS TECH UNIVERSITY HEALTH SCIENCE CENTER School of Pharmacy

The Department of Pharmaceutical Sciences invites applications in the field of pharmaceutical chemistry for a tenure-track faculty position at the **ASSISTANT/ASSOCIATE PROFESSOR** level. The Department has 18 full-time faculty with interests in pharmaceutical and biomedical research. Applicants must have a Ph.D. and postdoctoral training with pharmacy background preferred but not required. Successful candidates will be expected to develop a strong research program as well as teach and mentor undergraduate and graduate students. Competitive start-up packages and space are available. Applicants should submit curriculum vitae, a brief summary of research interests, teaching philosophy, and names and addresses of at least three references to: **Dr. David D. Allen, Chair, Search Committee, Texas Tech School of Pharmacy, 1300 Coulter Drive, Amarillo, TX 79106. FAX: 806-356-4034; e-mail: dallen@ama.ttuhsu.edu; website: <http://pharmacy.ama.ttuhsu.edu>.**

Texas Tech University Health Science Center is an Equal Opportunity/Affirmative Action Institution. Minorities and women are encouraged to apply.

MOTOR SPEECH POSITION DESCRIPTION

Full-time faculty position (**ASSISTANT** or **ASSOCIATE PROFESSOR**) in communication sciences and disorders, Northwestern University. We are seeking a person with interests in neurological disorders related to speech production. Applications must be received by January 31, 2002. Starting date: September 2002.

Contact person: **Dr. Charles R. Larson, Search Committee Chair, Department of Communication Sciences and Disorders, 2299 North Campus Drive, Northwestern University, Evanston, IL 60208. E-mail: clarson@northwestern.edu.**

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

ASSOCIATE DEAN

College of Engineering and Applied Sciences State University of New York at Stony Brook

The College of Engineering and Applied Sciences (CEAS) at the State University of New York at Stony Brook invites applications or nominations for the Associate Dean of the College. The Associate Dean is expected to provide leadership in the areas of faculty and research development and long-range and strategic planning as well as the fostering of interdisciplinary research. The Associate Dean reports to the Dean on all administrative, curricular research, and other aspects of the academic departments and programs that comprise the CEAS.

Founded in 1960, the College of Engineering and Applied Sciences is home to eight academic departments: Applied Mathematics and Statistics, Biomedical Engineering, Computer Science, Electrical and Computer Engineering, Materials Science and Engineering, Mechanical Engineering, Technology and Society, and Harriman School for Management and Policy. The College aims to provide students with a solid foundation that prepares them to adapt successfully throughout their careers to advances in technology. Enrollment in engineering and applied sciences degree programs exceeds 2,100 undergraduate students and 700 graduate students. The eight academic units have a faculty of 124 who generate sponsored research expenditures in excess of \$18 million per year. It boasts an alumni group of over 13,000 students.

The Associate Dean must have an earned Doctorate from an accredited institution of higher education and credentials sufficient for a tenured appointment at the **FULL PROFESSOR** rank in one of the departments within the College. The successful candidate will have demonstrated leadership and managerial skills with special attention to faculty development and curriculum assessment and excellent communication skills as well as evidence of success in teaching, research, and scholarly activity and service. The successful candidate will also have a strong commitment to diversity in recruitment and retention of faculty, students, and staff.

Applications or nominations are requested by December 30, 2001. We expect to fill the position as soon as possible. However, the position will remain open until filled. Applications should include a curriculum vitae; three references; and a cover letter that details relevant experiences, interests, and accomplishments. Submit applications to: **Dr. Fu-Pen Chiang, Chair, Associate Dean Search Committee, College of Engineering and Applied Sciences, State University of New York at Stony Brook, Stony Brook, NY 11794-2200.**

The State University of New York at Stony Brook is an Affirmative Action/Equal Opportunity Educator and Employer. Minorities and women are encouraged to apply.

POSTDOCTORAL POSITION CARDIORENAL RESEARCH

Scios Inc. is a biopharmaceutical company developing novel treatments for heart failure and rheumatoid arthritis. Our disease-based technology platform integrates expertise in protein biology with combinatorial and medicinal chemistry. We are currently seeking a **POSTDOCTORAL** candidate in cell biology/animal pharmacology to investigate the biological mechanisms of action of kinase inhibitors using *in vivo* and *in vitro* systems. As part of our ongoing drug development program, you will conduct basic scientific studies. The ideal candidate will have a Ph.D. in molecular or cellular biology, animal physiology, or related and *in vivo* experimentation and mammalian cell culture experience. Background in pharmacology, signal transduction, and biochemistry is highly desirable. Excellent communication and interpersonal skills are essential. Competitive salaries, a superior benefits package, and a very dynamic environment support the Scios team. Please respond to: **Scios Inc., Human Resources Department, 617 North Mary Avenue, Sunnyvale, CA 94085. FAX: 408-616-8316; e-mail: jobs@sciosinc.com; website: <http://www.sciosinc.com>.** *Equal Opportunity Employer.*

**STAFF SCIENTIST and
POSTDOCTORAL FELLOW
NCI Center for Cancer Research**

The Experimental Immunology Branch of the National Cancer Institute located on the NIH campus in Bethesda seeks outstanding candidates for a Staff Scientist and a Postdoctoral Fellow position to study **serine/threonine phosphorylation in T-cell signal transduction and the structural basis of serine/threonine kinase function**. Applicants for the Staff Scientist position must have advanced biochemical expertise in kinase structure/function; immunological expertise; at least 4 years of relevant postdoctoral experience; and be a U.S. Citizen, resident alien, or nonresident alien with a valid employment authorized visa. Applicants for the postdoctoral position must have less than 5 years postdoctoral training; strong biochemical expertise; and preferably immunological expertise. Skills in computational biology desirable for both positions. Salaries start at \$60,000 for staff scientist and at \$34,000 for postdoctoral fellow and range higher commensurate with experience. Additional information available at website: <http://rex.nci.nih.gov/RESEARCH/basic/eib/shaw.htm>

Applicants should submit the following by email to **Stephen Shaw (sshaw@nih.gov)** within 30 days of publication: CV with complete bibliography; statement of research interests; and the name/address/email of 3 references

The National Cancer Institute is an Equal Employment Opportunity and Affirmative Action Employer that Values and Fosters Diversity Throughout the Entire Organization.



**Health Scientist Administrators
National Institute of General Medical Sciences
National Institutes of Health**

The Cell Biology and Biophysics Division of The National Institute of General Medical Sciences, an Institute of the National Institutes of Health, is seeking two individuals to serve as Program Directors. These individuals will be responsible for stimulating, planning, advising, directing and evaluating program activities for portfolios of research grants within the Division.

One vacancy is in the Biophysics Branch in the area of **Molecular Biophysics**. The person selected will provide leadership in the administration of research grants, which are at the cutting edge of the application of modern biophysical methods to cell and molecular biology. The ideal candidate will have experience in biophysics as well as cell and/or molecular biology. The contact person for this position is: Dr. Catherine Lewis (301) 594-0828 lewis@c@nigms.nih.gov

The second vacancy is in the newly formed Structural Genomics and Proteomics Technology Branch and is in the specific area of **Structural Genomics**. The applicant must have knowledge and experience in this area. The ideal candidate will have expertise in high resolution structure determination of proteins as well as genomic and computational approaches. The contact person for this position is: Dr. John Norvell (301) 594-0533 norvellj@nigms.nih.gov

Minimal qualifications include a Ph.D. or equivalent degree in a field relevant to the position.

Applications must be received or postmarked by December 20, 2001. To apply, submit a current curriculum vitae, including a list of publications, and the names of three references to the address given below. Clearly indicate for which position you are applying, and send to:

**Ms. Melvin
NIGMS Personnel Office
45 Center Drive, Suite 3As.13, MSC 6200
Bethesda, MD 20892-6200
Phone (301) 594-2749; Fax (301) 480-0850; TDD (301) 402-6327
Email: NIGMSAPPS@NIGMS.NIH.GOV
www.nigms.nih.gov**

NIH is an Equal Opportunity Employer

**nature
medicine**

seeks an **Assistant Editor** to join its full-time editorial group in New York City.

The position offers an exciting and challenging opportunity to enter the world of scientific publishing while remaining at the forefront of research. Members of the editorial team oversee the selection and preparation of research articles published in *Nature Medicine*; they also commission Commentaries and Reviews and write news items and editorials for the journal. They attend meetings, visit laboratories and maintain alliances with the international scientific community.

We are seeking a Ph.D.-qualified biomedical researcher with broad-based interest and expertise in the areas represented in *Nature Medicine*. The ideal candidate should have postdoctoral research experience and publications in peer-reviewed journals, excellent written and oral communications skills, good standing in the community and a commitment to the communication of science. We are particularly interested in applicants with expertise in Immunology but we would welcome applications from outstanding candidates in any area of biomedical research.

Please submit a curriculum vitae, a concise cover letter explaining your interest in the post and a 600-word News & Views style article on an exciting and newsworthy recent development in any area of biomedical research, to:

M. Maddock, Human Resources Dept.,
345 Park Avenue South, New York, NY 10010
(fax 212-696-9594; email admin@natureny.com)

The deadline for application is 3 December 2001.



**THE UNIVERSITY
of LIVERPOOL**

LECTURESHIP IN GEOPHYSICS

Department of Earth Sciences

Initial salary within the range £20,267 - £32,215 pa

The University is expanding its geophysics teaching and research, and applications are invited for this post, available from 1 August 2002. The Department is nationally graded as excellent for research and teaching in Geology, Geophysics and Oceanography. The post would enhance an already strong team of six geophysicists within an Earth Science Department of 27 academic staff. You should have a proven research track record and be able to contribute to all levels of undergraduate geophysics teaching. You should develop new research areas in either; geodynamics, geomagnetism, rock physics, seismology or space-based geodesy, or complement our existing core research activities in Earth Sciences.

Quote Ref: B/698/S Closing Date: 15 January 2002



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

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

COMMITTED TO EQUAL OPPORTUNITIES

POSITIONS OPEN

FACULTY POSITION Cellular Biology and Anatomy

This is a full-time, tenure-track position available January 1, 2002. The appointment will be at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level depending on qualifications. Applicants should have a Ph.D. and/or M.D., at least two years of postdoctoral experience, and a record of research accomplishments. We are seeking an individual with research experience in neuroscience, cell biology, or immunology. The successful candidate should have experience in teaching human anatomy and will be expected to maintain an active research program. An attractive start-up package including research facilities and startup funds will be available. Send curriculum vitae and description of current and future research directions to: **Dr. Leonard L. Seelig, Department of Cellular Biology and Anatomy, Louisiana State University Health Sciences Center, P.O. Box 33932, Shreveport, LA 71130.** *LSUMC is an Affirmative Action Employer.*

POSTDOCTORAL POSITION in plant functional genomics is available in a multidisciplinary team investigating microbial interactions with the model legume *Medicago truncatula*. The project will entail generating promoter-trap mutants of *M. truncatula* to identify genes involved in interactions with pathogens and symbionts. A recent Ph.D. in plant biology or related field is required. Skills in plant tissue culture, molecular biology, and knowledge of plant microbe interactions are desired. *Candidates must be U.S. citizens or citizens of a U.S. ally* (see website: <http://www.afm.ars.usda.gov/divisions/hrd/hrdhomepage.html>). Send curriculum vitae with names and addresses of three references to: **Dr. Deborah Samac, USDA/ARS/Plant Science Research, 495 Borlaug Hall, 1991 Upper Buford Circle, University of Minnesota, St. Paul, MN 55108.** Telephone: 612-625-1243; FAX: 651-649-5058; e-mail: debbs@puccini.cdl.umn.edu. *The USDA is an Equal Opportunity Provider and Employer. Women and minorities are encouraged to apply.*

POSTDOCTORAL POSITION Yale University School of Medicine

Postdoctoral positions open to study the cell biology and immunopathology of Lyme disease. Experience and/or interest in phagocyte biology, microbial pathogenesis, molecular biology, cell biology, and/or animal models of infectious diseases necessary. Send curriculum vitae, research interests, and three reference letters to: **Ruth Montgomery, Ph.D., Department of Internal Medicine, Yale University School of Medicine, Box 208031, New Haven, CT 06520-8031.** E-mail: ruth.montgomery@yale.edu. *Yale University is an Affirmative Action/Equal Opportunity Employer.*

A **POSTDOCTORAL POSITION** is available immediately to study the mechanism of BRCA1-associated tumorigenesis (see *Nat. Gen.* 22:37, 1999; 28:266, 2001). A strong background in molecular biology and/or signal transduction is required. Interested candidates with Ph.D. and/or M.D. and less than five years of postdoctoral experience should send curriculum vitae, bibliography, and names of three references to: **Chuxia Deng, Ph.D., Building 10, Room 9N105, 10 Center Drive, Bethesda, MD 20892-1812.** E-mail: chuxiad@bldg10.niddk.nih.gov; Telephone: 301-402-7225; FAX: 301-480-1135.

Two **RESEARCH ASSISTANT/ASSOCIATE POSITIONS** available immediately. One person will develop and manage a cell culture/molecular methods laboratory and engage in collaboration with pharmacology/toxicology Investigators. The second person will study chemokine and apoptosis signaling in eosinophils and airway epithelium. Experience in cell culture and basic molecular biology desirable. Salaries commensurate with experience. Send résumé and three references to: **Ann S. Heiman, Ph.D., Florida A&M University, College of Pharmacy, Tallahassee, FL 32307.** E-mail: ann.heiman@famu.edu. *Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN



RESEARCH ADMINISTRATOR

A national nonprofit organization invites applications for **PROJECT ADMINISTRATORS** for two NIH-funded programs. Qualified candidates need Ph.D. in molecular biology, immunology, genetics, pathology, or a related field and have submitted successful grant applications to NIH; be familiar with NIH reporting requirements; and have project management experience. Computer expertise to include strong spreadsheet, database, and reporting skills. Excellent presentation and written skills. An energetic team player is required. Competitive salary and excellent benefits. Mail to: **NDRI, 1880 John F. Kennedy Boulevard, Sixth Floor, Philadelphia, PA 19103, Attention: M. Davie.** E-mail: mdavie@ndri.com; FAX: 215-557-7154 (to M. Davie).

SCIENCE EDUCATION/ BIOLOGY EDUCATION INDIANA STATE UNIVERSITY

The Department of Life Sciences at Indiana State University invites applications for two tenure-track positions. **ASSISTANT/ASSOCIATE PROFESSOR** in science education with primary teaching duties in science education methods. Applicants must have a Doctorate in science education or biology and a record of research in biology or science education. Experience in both K-12 and college teaching is desirable.

ASSISTANT PROFESSOR in biology with primary teaching duties in introductory biology for majors and nonmajors. Applicants must have a Ph.D. and a record of research. Postdoctoral experience is preferred. Successful candidates for both positions will be expected to develop an active, externally funded research program. Submit a letter of application, curriculum vitae, statement of teaching interests and philosophy, statement of research interests, no more than three current reprints, and three letters of reference to: **Dr. Elaine M. Tuttle, Chairperson, Search Committee, Department of Life Sciences, Indiana State University, Terre Haute, IN 47809.** For more information, see websites: http://baby.indstate.edu/art_sci/scied/ and <http://biology.indstate.edu/dls/> or contact us directly: e-mail: lstuttle@scifac.indstate.edu; Telephone: 812-237-2400; FAX: 812-237-4480. Screening will begin on January 7, 2002, and will continue until the positions are filled. *Indiana State University is an Affirmative Action/Equal Opportunity Employer. Professional couples are encouraged to apply.*

QUANTITATIVE BIOLOGY

Bard College's Division of Natural Sciences and Mathematics is seeking a colleague who will complement our existing strengths in molecular biology, biochemistry, genomics, and ecology. The successful candidate will be involved in developing an innovative curriculum in which Bard undergraduates develop a strong foundation in the traditional fields and become proficient with the computational methods employed in those fields. Preference will be given to candidates interested in involving undergraduates in an ongoing research program and in developing collaborative connections with members of the Bard faculty. In addition, opportunities exist for developing collaborations and undergraduate courses and programs with the faculty at Rockefeller University. The appointment will be made at either the **ASSISTANT** or **ASSOCIATE PROFESSOR** level starting July 1, 2002. Applicants should submit a letter of application, curriculum vitae, statements of teaching and research interests, and three letters of recommendation to: **Robert Cutler, Biology Search Committee Chair, c/o Human Resources, Bard College, P.O. Box 5000, Annandale-on-Hudson, NY 12504-5000.** Start-up funding is available. Candidates must have a Ph.D. Applications will be reviewed as received and interviews will begin in November 2001. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

SCIENTIFIC ADMINISTRATOR

The Aaron Diamond AIDS Research Center (ADARC) is seeking a **CHIEF OPERATING OFFICER**.

Must possess a strong background in science or science administration, experience or substantive interest in HIV/AIDS research, a track record in staff and financial management, and excellent interpersonal and communication skills. Duties include overseeing all administrative and financial aspects of the center (core facilities, finance/accounting, information technology and website, human resources, and grants/contracts); communicating scientific affairs with external organizations (academia, government, and private sector); handling of IRB/IACUC issues and intellectual property matters; writing/editing scientific documents; and assisting Director/CEO with development/fundraising, interactions with faculty and the Board, and community/media relations.

Prefer candidates with a Master's- or Doctoral-level degree with senior-level management experience in a research setting or a degree in business or hospital administration with a track record of working in academic medicine, biomedical industry, or a related nonprofit organization. Candidates should submit a letter of interest, curriculum vitae/résumé, and contact information for at least three references to: **Ms. Melissa Sordyl, c/o Aaron Diamond AIDS Research Center, 455 First Avenue, Seventh Floor, New York, NY 10016.** E-mail: msordyl@westover-group.com. *The Diamond Center is an affiliate of the Rockefeller University. The Diamond Center is an Equal Opportunity Employer.*

ASSISTANT PROFESSOR BIOLOGY

Randolph-Macon Woman's College, a selective liberal arts college with historic strengths in the sciences, invites applications for a tenure-track position at the level of Assistant Professor beginning in August 2002. The position requires a Ph.D. in a biological science with an emphasis in cell biology and a strong commitment to excellence in teaching. Responsibilities include developing and teaching a core course in cell biology and an advanced course in immunology. Development of related courses that complement our existing curriculum is also expected, as is teaching introductory biology, participation in the Department's senior program, supervision of honors research, and academic advising. Preference will be given to candidates with a broad general biology background and teaching experience. Application review will begin immediately and continue until position is filled. Send letter of application including a statement of teaching and research interests; curriculum vitae; and the names, mail and e-mail addresses, and telephone numbers of three references to: **Dr. Ronald D. Gettinger, Department of Biology, Randolph-Macon Woman's College, Lynchburg, VA 24503.** Telephone: 434-947-8490; FAX: 434-947-8138; e-mail: rgettinger@rmwc.edu.

To learn more about our college, visit our website: <http://www.rmwc.edu>. *EOS/WMA.*

SCIENCE ANALYST

New York City law firm seeks Science Analyst to join its scientific department in identifying, summarizing, and critically evaluating biological and medical literature and statistical data in areas relevant to product liability litigation. Our primary interests include cancer, cardiovascular, respiratory, and other diseases. We are seeking expertise in epidemiology. Good communication skills, both written and verbal, are required to present analyses of medical and scientific issues to nonscientists. Must be a team player and self-starter with the ability to set priorities and meet deadlines. Graduate degree required. Experience in a nonacademic position (consulting, industry, litigation, etc.) a plus. This position does not involve court appearances. Competitive salary, excellent benefits, and a congenial atmosphere. Send cover letter, curriculum vitae, and salary history to: **Ms. Maria Zezula, P.O. Box 238, New York, NY 10185-0238.** E-mail: scientific_law@start.com.au.



Tenured Position

National Institute of Allergy and Infectious Diseases

The Respiratory Viruses Section of the Laboratory of Infectious Diseases seeks an M.D. scientist to develop an independent research program related to the development of means to prevent disease caused by pandemic influenza viruses. The position will involve (1) the use of molecular virologic techniques to identify the genetic basis of attenuation of existing live attenuated virus vaccines, (2) the generation of a series of live attenuated virus vaccines that are designed to anticipate the next pandemic strain of influenza A virus, (3) production and characterization of experimental lots of vaccines for evaluation of their level of attenuation and immunogenicity in humans, and (4) evaluation of the candidate vaccines in humans. The ideal candidate will have an M.D. degree with training in Internal Medicine or Pediatrics with preference given to candidates who are board certified in Infectious Diseases and who have considerable experience with influenza viruses, with molecular virology, and with performing clinical trials of experimental viruses in humans. Space, technical and postdoctoral Fellow support, supply budget, and salary are committed.

A curriculum vitae, bibliography, three letters of reference, a detailed statement of research interests, and selected publications must be submitted by November 9, 2001, to: Dr. Alan Sher, c/o Lakesha Mingo, Executive Secretary, Building 10, Room 4A26, 10 Center Drive MSC 1356, Bethesda, Maryland, 20892-1356. All applicants will be notified by e-mail or phone when their application is received.

The NIH is an Equal Opportunity Employer.

STAFF SCIENTIST/CANCER BIOLOGY

Our Cancer Biology Department is devoted to defining new therapeutic approaches in Oncology. This program is employing leading edge technologies in the discovery and validation of new product candidates.

Immunex invites individuals with a scientific background in bone biology to participate in both basic and applied research projects. The scope of the projects will range from preclinical development of proprietary molecules in *in-vivo* models of bone pathologies (especially tumor-induced bone pathologies) to the discovery of molecules that regulate bone cell function/activation.

Competitive applicants will have expertise in one or more of the following areas: animal models of pathologic bone diseases (bone metastases, multiple myeloma, osteoporosis, or arthritis); *in-vitro* and/or *in-vivo* models of osteoblast, osteoclast and cartilage function, differentiation and activation; bone histology/pathology; quantitative histomorphometry. Excellent communication skills coupled with the ability to work in a fast paced collaborative team environment are essential. The ideal candidate will have five to ten years of laboratory experience in the biopharmaceutical industry or in an academic medical context. Ph.D. in a relevant scientific discipline (Immunology, Cell Biology, Molecular Biology), or M.D., followed by post-doctoral bench research experience required.

Located in downtown Seattle, Washington, enjoy all the benefits of Northwest living: spectacular outdoor recreational activities and world-class urban culture.

In addition to the tremendously rewarding environment, we offer an exceptional compensation and benefits package. Please submit a scannable resume specifying job code (#01-0446) to immunexcareers@webhircpc.com. For more information about Immunex, visit our web site at www.immunex.com.

IMMUNEX
Creating the Future of Medicine™



Bioscience

Activate your mind & innovate medicine.

Think of it—a place where you can use your mind to innovate human pharmaceuticals. That's the exciting drug discovery environment you'll find at Roche Bioscience. Our scientists are focused on medicines for the treatment of central nervous system and genitourinary disorders, arthritis, osteoporosis, and respiratory and viral diseases. We are supported by the cutting-edge technologies and instrumentation necessary to achieve success.

Our Genetics and Genomics Department has immediate openings for the following positions:

Principal Research Scientist

Working with this highly productive team, you will investigate the genetic basis of complex diseases, carry out the biological characterization of disease susceptibility genes and related pathways that emerge from analysis of mouse models of human disease, and define appropriate targets for therapeutic intervention. You will have access to novel biological models, gene expression and genetic data sets, and advanced facilities for *in vitro* and *in vivo* biologic analysis. Requires a PhD, postdoctoral completion and demonstrated work experience in biologic analysis of gene or protein function.

Postdoctoral Fellow

You will use your strong background in bioinformatics or statistics to work on an exciting research project funded by the National Human Genome Research Institute. This groundbreaking project employs recently developed tools and novel methodology for identifying genetic susceptibility loci in experimental murine genetic models of human disease. A novel SNP-based genotyping method, gene expression microarrays and a computational method for prediction of chromosomal regions regulating complex traits are used to accelerate identification of regulatory genetic loci. Requires a PhD in Bioinformatics, Statistics, Epidemiology or related computational field and a strong background in advanced statistics.

Located in Palo Alto, the heart of innovation, our park-like campus offers a wide array of employee services, including an on-site fitness center. We also are pleased to provide a competitive compensation program with a generous vacation and holiday schedule, plus retirement and pension plans. To apply, send your resume, indicating Job Code 1109GF-SCI, to paloalto.hr_staffing@roche.com or via mail to Roche Bioscience, 3401 Hillview Avenue, A2-HR, Palo Alto, CA 94304. As an equal opportunity employer, we are committed to workforce diversity.

Visit our website at <http://paloalto.roche.com>.

POSITIONS OPEN



Agricultural Research Service
United States Department of Agriculture

RESEARCH GENETICIST/PHYSIOLOGIST

The Agricultural Research Service, U.S. National Arboretum in Washington, D.C., is seeking a Research Geneticist/Physiologist with responsibility for a research program that will lead to (1) improved understanding of the basic biology of stress responses of turfgrasses and determination of the genetic processes underlying stress responses; (2) improved techniques for efficient plant selection and breeding for desirable traits; (3) effective use of molecular techniques in germplasm enhancement; (4) the development and release of new and improved germplasm of turfgrass species for use on home lawns, business landscapes, roadsides, parks, and recreational facilities. Applicants must have a degree in genetics, physiology, or a related biological science that included at least nine semester hours in genetics. In addition, applicants must also have either a Ph.D. or equivalent Doctoral degree with emphasis in genetics or physiology or have one year of specialized experience as indicated in the vacancy announcement. *Must be U.S. citizen.* Salary for GS-12 ranges from \$53,156 to \$69,099 depending on experience. Call **Telephone: 301-504-1482** to request a copy of ARS-X2E-2034 or access **website: <http://www.ars.usda.gov>**. For specific questions, call **Telephone: 301-504-1333**. *USDA/ARS is an Equal Opportunity Provider and Employer.*

DEVELOPMENTAL BIOLOGIST

Applications are invited for a tenure-track position beginning July 1, 2002, at the **ASSISTANT or ASSOCIATE PROFESSOR** level in the Department of Cell Biology at Georgetown University Medical Center, Washington, D.C. The Department is particularly interested in applicants who use model systems to understand important problems in developmental biology including environmental and toxicological aspects of development. Applicants should have postdoctoral experience, a record of high-quality research, and a strong commitment to research and graduate education. The successful candidate is expected to establish an independent research program with extramural support and to participate in graduate and medical student teaching. Curriculum vitae, a two-page statement of research interests, representative publications, and the names and full contact information of three references should be sent to:

Dr. Robert Lechleider
Department of Cell Biology
Georgetown University School of Medicine
3900 Reservoir Road, N.W.
Washington, DC 20007
E-mail: rjl24@georgetown.edu

Deadline for receipt of applications is February 1, 2002. For more information, visit **website: <http://www.georgetown.edu/departments/cellbiology>**. *Georgetown University is an Equal Opportunity/Affirmative Action Employer.*

RESEARCH ECOLOGIST. The U.S. Geological Survey, Great Lakes Science Center, Porter, Indiana, seeks an Ecologist GS-11. Full performance is GS-15. The Scientist will establish and conduct a research program emphasizing improvements in conservation and restoration of wetland and/or riparian ecosystems within the Great Lakes area. *Open to all qualified U.S. citizens.* Full vacancy announcement and instructions can be found at **USAJOBS website: <http://www.usajobs.opm.gov/>** (Job Announcement ER-02-900). For further information, **Telephone: USGS 703-648-7470; e-mail: abradley@usgs.gov**. Applications must be received by 4:30 p.m. EST November 30, 2001. *The Federal Government is an Equal Opportunity Employer.*

POSITIONS OPEN

TWO POSITIONS MEDICAL MICROBIOLOGIST CLINICAL CHEMIST Department of Health Sciences University of Wisconsin-Milwaukee

UW-Milwaukee (UWM) is a premier research university serving approximately 24,000 students. We are seeking two individuals to enhance a dynamic research environment in clinical laboratory sciences consistent with our mission as an urban university and with our Milwaukee Idea initiatives. The campus and greater Milwaukee communities offer multiple opportunities for research collaborations and professional development. Successful candidates will contribute to the academic mission of the University and School of Allied Health Professions while enhancing the research and scholarship of the Department. The successful candidates will be expected to establish a productive, extramurally funded research program as well as participate in collaborations that have the potential for extramural support. The position involves teaching in the undergraduate and graduate programs in clinical laboratory sciences and mentoring graduate student research.

ASSISTANT/ASSOCIATE PROFESSOR in medical microbiology. A Ph.D. in medical microbiology, public health microbiology, or a related field with excellent interpersonal communication skills; a commitment to education; and a willingness to work collaboratively are required. Individuals with training and/or professional certification in medical microbiology are encouraged to apply.

ASSISTANT/ASSOCIATE PROFESSOR in clinical chemistry. A Ph.D. in clinical chemistry or a related field with excellent interpersonal communication skills, a commitment to education, and a willingness to work collaboratively are required. Research interest/experience in protein chemistry is preferred. Individuals with professional certification are encouraged to apply.

Application and salary: Interested individuals must send a cover letter, curriculum vitae, and three letters of recommendation to: **Ms. Geri Schramm, Program Assistant, University of Wisconsin-Milwaukee, Department of Health Sciences, P.O. Box 413, Milwaukee, WI 53201-0413**. Applications will be reviewed beginning January 11, 2002, and continue until the position is filled. Salary is competitive and dependent upon qualifications. The position is a nine-month faculty appointment with opportunity for summer support. Start date: August 2002. Further information is available at **website: <http://www.uwm.edu/sahp/>**. *University of Wisconsin-Milwaukee is an Affirmative Action/Equal Opportunity Employer.*

PLANT BIOLOGIST

Texas A&M University-Commerce

Tenure-track **ASSISTANT PROFESSOR** beginning August 2002. Ph.D. required in botany or biology with expertise in plant conservation and qualified to teach plant biology and undergraduate and graduate courses in specialization area. Must have a strong interest in conservation biology (preferably extending into wildlife and environmental sciences) and must be skilled in modern molecular techniques. Applicants must show strong commitment to teaching, research, and service. Individuals with teaching experience, a research record, and potential to attract external funding are preferred. A research laboratory and start-up funds are available. Send application letter, curriculum vitae, official transcripts, research agenda, teaching philosophy, and three letters of reference to: **Dr. Jeffrey Kopachena, Chair of Search Committee, Department of Biological, Earth, and Environmental Sciences, Texas A&M University-Commerce, P.O. Box 3011, Commerce, TX 75429-3011**. Review of applications will begin on December 15, 2001. Applications will be accepted until the position is filled. *Equal Opportunity/Affirmative Action Employer. Any job offer from the University is contingent upon proof of United States citizenship, citizenship eligibility, or authorization to work in the United States on a full-time basis.*

POSITIONS OPEN



DAKO USA

PH.D. SCIENTIST

Develop pharmacodiagnostic-immunohistochemistry assays. Requires Ph.D. in biology or chemical science, prior success in research and development, experience in diagnostics/biotechnology, assay development, supervision/project management, and product development. For full announcement and benefits, visit our **website: <http://www.dakousa.com>**. Please **Telephone: 805-566-5406** for questions.

Dako Corporation
E-mail: employment@dakousa.com
FAX: 805-684-5935

U.S. Department of Agriculture, Agriculture Research Service, Natural Research Conservation Center, Watkinsville, Georgia, is seeking a **SUPERVISORY RESEARCH SOIL SCIENTIST, HYDROLOGIST, RANGE SCIENTIST, ECOLOGIST, AGRONOMIST, or AGRICULTURAL ENGINEER** GS-14/15, to lead teams of Researchers in planning, conducting, and reporting research on quantifying effectiveness of agricultural practices to protect or enhance soil and water resources; developing improved methods for evaluations of conservation programs, policies, and practices; and/or applying knowledge about ecosystem processes to agricultural and natural resource decision making. Applicants must have a degree in one of the areas listed above and one year of specialized experience equivalent to the GS-13/14 grade level is indicated on the vacancy announcement. This is a permanent, full-time appointment with benefits. *U.S. citizenship is required.* Salary ranges from \$72,969 to \$111,581 per year. For application information, call **Genell Powers; Telephone: 706-546-3029**; indicate Announcement Number ARS-X2S-2036. Incomplete applications will not receive consideration. Applications must be postmarked by December 22, 2001. Full text vacancy announcement may be obtained via Internet (**website: <http://www.ars.usda.gov>**). *USDA/ARS is an Equal Opportunity Provider and Employer.*

POPULATION GENETICIST

The University of Southern California

The Department of Biological Sciences at the USC seeks an outstanding Population Geneticist for its marine environmental biology section. The ideal candidate brings modern genetics, molecular biology, and ecological approaches to the study of the population dynamics of a diverse taxonomic range of marine organisms. Present or future interests in marine fish population dynamics are desirable. Outstanding opportunities exist for interaction with our molecular biology group including faculty with research interests in genomics and evolution and with the Wrigley Institute for Environmental Studies. Candidates at all career levels will be considered. Send curriculum vitae and statement of research interests to: **Marine Population Geneticist Search Committee, Department of Biological Sciences, University of Southern California, Los Angeles, CA 90089-0371**.

Screening of applications will begin December 2001. *USC is an Affirmative Action/Equal Employer Opportunity.*

A POSTDOCTORAL POSITION is available immediately to study the mechanism of EWS/WT1 translocation gene product in tumorigenesis (see *Nat. Gen.* 17:309, 1997). A strong background in molecular biology and/or biochemistry is required. Experience with transgenic/knockout mouse is a plus. Interested candidates with Ph.D. and/or M.D. and less than five years of postdoctoral experience should send curriculum vitae, bibliography, and names of three references to: **Sean B. Lee, Ph.D., Building 10, Room 9N-313, 10 Center Drive, Bethesda, MD 20892-1821. E-mail: seanl@intr.niddk.nih.gov; Telephone: 301-496-9739; FAX: 301-496-0839**. *NIDDK/NIH is an Equal Opportunity Employer.*

POSTDOCTORAL POSITIONS

The Section of Biological Chemistry, National Institute of Diabetes and Digestive and Kidney Diseases has postdoctoral positions available to investigate the roles played by O-linked glycoproteins during development (see: <http://www.niddk.nih.gov/intram/people/ltabak.htm>). Projects will include: construction and/or analysis of transgenic and knockout mouse models using a combination of genetic and proteomic approaches and identification of novel substrates using combinations of chemical, genetic and proteomic approaches.

These positions require a Ph.D., M.D., or D.D.S. (or equivalent) degree with a strong background in molecular biology and/or developmental biology. Salary will be commensurate with experience.

Please submit a *curriculum vitae* and a brief statement of research interests along with names and telephone numbers, postal and email addresses of three references to:

Dr. Lawrence A. Tabak
31 Center Drive MSC 2290
Building 31, Room 2C39
Bethesda, MD 20892-2290
E-mail: Lawrence.Tabak@nih.gov

NIH is an Equal Opportunity Employer.



The Faculty of Science (Mathematisch-naturwissenschaftliche Fakultät) of the University of Zurich, Switzerland, invites applications for the position of an

Assistant Professor in Environmental Sciences / Biodiversity (tenure track)

The successful candidate should develop an internationally recognized research programme on the relationship between biodiversity and ecosystem/landscape processes. Preferably, the emphasis should be on the spatial distribution of individuals and species, their interactions with each other and with environmental factors. A strong interest in experimental approaches combined with a solid background in ecological theory and spatial modelling is expected. Research results should be applicable to problems such as species invasion and extinction or effects of biodiversity loss at landscape scales. The professorship and its staff will teach courses such as spatial analysis or environmental assessment in an interdisciplinary environmental studies programme and lead MSc/PhD projects. The successful candidate is expected to teach in German at the latest after three years. Participation in interdisciplinary research projects, which integrate biodiversity analysis from the genetic to the ecosystem level with physical geography and geo-informatics, is particularly welcome.

Please submit a detailed curriculum vitae including information on teaching experience, a statement of research interests, a list of publications and three recent publications before January 1, 2002 to Prof. Dr. K. Brassel, Dekan der Mathematisch-naturwissenschaftlichen Fakultät der Universität Zurich, Winterthurerstrasse 190, CH- 8057 Zurich. At the same time please submit your CV and list of publications in a single file to jobsnmf@zuv.unizh.ch.

For further information, please consult our website at <http://www.unizh.ch/uwinst> or contact Prof. Bernhard Schmid E-mail: bschmid@uwinst.unizh.ch, Tel. +41-1-635 5205 Institut für Umweltwissenschaften, Winterthurerstrasse 190, CH-8057 Zürich.

THE UNIVERSITY OF MICHIGAN MEDICAL SCHOOL Mental Health Research Institute Assistant or Associate Professor

The Mental Health Research Institute (MHRI) at the University of Michigan Medical School is seeking applications for a tenure-track faculty opening at the Assistant or Associate Professor level. The MHRI represents a major focus for interdisciplinary neuroscience research at the University of Michigan and currently has twenty-one faculty with vigorous research programs employing state of the art anatomical, behavioral, neuroimaging, genetic and molecular techniques to study fundamental neural mechanisms that may underlie diseases of the nervous system. The Institute and the University of Michigan offer a stimulating and supportive environment for neuroscience research. Additional information can be found at <http://www.med.umich.edu/mhri>.

Ideal candidates will have demonstrated the potential to develop an internationally recognized and independently funded research program in the molecular and genetic aspects of neuroplasticity, preferably in a vertebrate experimental model. A competitive salary, newly renovated laboratory space and generous start-up funds are available for this position. Interested individuals should send a brief statement of research interests and future plans, curriculum vitae and three letters of reference to: **Neuroplasticity Search Committee, Mental Health Research Institute, University of Michigan, 205 Zina Pitcher Place, Ann Arbor, MI 48109-0720.** Deadline: January 15, 2002.

The University of Michigan is an Equal Opportunity/Affirmative Action Employer and specifically encourages applications from qualified women and minorities.

GRADUATE PROGRAMS

The Santa Fe Institute

2002 Complex Systems Summer Schools



Santa Fe School: June 9 to July 7, 2002, in Santa Fe, New Mexico, USA

Budapest School: July 8 to August 2, 2002, in Budapest, Hungary

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

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

Weeks two and three will consist of lectures on current research in complex systems. Week four will be devoted to completion and presentation of student projects.

- **Santa Fe School** — Director: Melanie Mitchell, Santa Fe Institute. Location: Santa Fe, New Mexico, USA. Administered by the Santa Fe Institute.
- **Budapest School** — Directors: John Pepper, Santa Fe Institute, and Imre Kondor, Eötvös Loránd University. Location: Budapest, Hungary. Administered by Central European University and the Santa Fe Institute.

Application instructions: Provide a current resume with publications list (if any), statement of current research interests, comments about why you want to attend the school, and two letters of recommendation from scientists who know your work. Include your e-mail address and fax number. Specify which school you want to attend (or which is your first choice if you are willing to attend either). Specify whether you wish to apply for a travel scholarship. (This will not affect our decision on your application.) Do not bind your application materials in any manner. Send only complete application packages by postal mail to: **Summer Schools, MS SC, Santa Fe Institute, 1399 Hyde Park Road, Santa Fe, NM 87501 USA**

Application postmark deadline: **January 18, 2002.**

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

For online application and further information: <http://www.santafe.edu/sfi/education/indexCSSS.html> or summerschool@santafe.edu

POSITIONS OPEN

FACULTY POSITION PLANT BIOLOGY FUNCTIONAL GENOMICS The Pennsylvania State University

The Department of Biology at The Pennsylvania State University invites applications for a tenure-track faculty position in plant biology at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level, although appointment at the **FULL PROFESSOR** level may also be considered. We are particularly interested in applicants with research interests that use functional genomic approaches to address questions of plant signal transduction or development. Interest in interdisciplinary research collaboration with existing faculty is greatly encouraged. Applicants should have a strong record of creative research and be committed to teaching at the undergraduate and graduate levels. For further information about the Department, see website: <http://www.bio.psu.edu/>.

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 the Committee Chair. Screening of applicants will begin on December 15, 2001, and continue until the position is filled. The appointment will begin in the autumn of 2002 or thereafter.

Send application materials to: **Chair, Plant Functional Genomics Search, c/o Ms. Lisa Stock, 208 Mueller Laboratory, Box A, The Pennsylvania State University, University Park, PA 16802.**

Affirmative Action/Equal Opportunity Employer.

U.S. Department of Agriculture, Agricultural Research Service, Citrus and Subtropical Products Laboratory, Winter Haven, Florida, is seeking a **SUPERVISORY RESEARCH PLANT PATHOLOGIST, FOOD TECHNOLOGIST, HORTICULTURIST, OR CHEMIST**, GS-14/15, to lead teams of Researchers in planning, conducting, and reporting research to develop technologies on the overall postharvest quality of fruits and vegetables; reduce contamination or decay of whole or lightly processed fruits and vegetables; and develop new industrial uses of pectin or other value-added products from citrus peel waste. Applicants must have a degree in one of the areas listed above and one year of specialized experience equivalent to the GS-13/14 grade level as indicated on the vacancy announcement. This is a permanent, full-time appointment with benefits. *U.S. citizenship is required.* Salary ranges from \$72,969 to \$111,581 per year. For application information, call: **Debbie Ambrose; Telephone: 863-293-4133, Extension 111** and indicate Announcement Number ARS-X2S-2035. Incomplete applications will not receive consideration. Applications must be postmarked by December 22, 2001. Full text vacancy announcement may be obtained via Internet (website: <http://www.ars.usda.gov/>). *USDA/ARS is an Equal Opportunity Provider and Employer.*

POSTDOCTORAL POSITIONS University of California, San Francisco

Positions are available in the Laboratory of Molecular Endocrinology at the University of California, San Francisco, studying the molecular and structural biology of steroid hormone synthesis. See our website: <http://itsa.ucsf.edu/~wmlab> for details. Send curriculum vitae and letter of interest with the names, addresses, and telephone numbers of at least three references to: **Professor Walter L. Miller, Building MR-IV Room 209, University of California, San Francisco, CA 94143-0978.**

The Department of Biological Sciences at Salisbury University is accepting applications for two tenure-track positions: (1) Molecular Biologist and (2) Mammalogist, both at the rank of **ASSISTANT PROFESSOR**, starting fall 2002. A Ph.D. and evidence of the ability to develop teaching and research excellence in either molecular biology or mammalogy are required. For further information, please see the SU website: <http://www.salisbury.edu/hr/Jobs/default.asp?search=faculty>.

POSITIONS OPEN



STEM CELL TECHNOLOGIES INC.

StemCell Technologies Inc. produces and markets specialized tissue culture media, biological reagents, and cell purification products worldwide. Initially focused in the areas of hematology and immunology, StemCell is now expanding into other areas of stem cell biology and seeks Ph.D. graduates with experience in neuronal, muscle, breast, or mesenchymal cell biology to develop tissue culture media and cell separation products. Experience in cell culture and the knowledge of growth factors, cell surface antigens, and the use of flow cytometry, together with excellent verbal and written communication skills, are essential. *These positions are only open to Canadian citizens or permanent residents of Canada, as initial support will be sought from NSERC.* Please submit curriculum vitae to: **Human Resources, StemCell Technologies Inc., 777 West Broadway, Suite 808, Vancouver, BC V5Z 4J7 Canada. FAX: 604-877-0704; e-mail: humanresources@stemcell.com; website: <http://www.stemcell.com>.**

A **POSTDOCTORAL POSITION** is available immediately at the Indiana University School of Medicine to investigate an NIH-funded project examining the biology of pluripotent stem cell differentiation in a murine model. Studies will focus on the identification and characterization of pluripotent stem cells from different tissues and the assessment (both *in vitro* and *in vivo*) of the transdifferentiation potential of these cells and their ability to repair multiple injured tissues in the host. Special attention will be given to functional changes in pluripotent stem cells with age and to clonal analysis of their differentiation pathways. Applicants must have a Ph.D. and/or M.D. Please send résumé and names of three references to: **Edward F. Srouf, Ph.D., Indiana Cancer Research Institute, 1044 West Walnut Street, R4-202, Indianapolis, IN 46202-5121. Telephone: 317-274-0343; FAX: 317-274-0396; e-mail: esrouf@iupui.edu.**

Indiana University is an Equal Opportunity Employer/Affirmative Action.

VISITING ASSISTANT PROFESSOR Biochemistry and Molecular Biology

Centre College seeks applicants for a full-time, one-year (possibly one and a half year) sabbatical replacement beginning fall 2002. Successful applicant (Ph.D. required) will teach the following courses: a two-semester biochemistry sequence focusing on macromolecules and cellular metabolism with laboratories, an introductory cell biology course, and both freshman and senior seminars. Send statements of teaching philosophy, research interests, curriculum vitae, transcripts, and three letters of recommendation to: **Dean John Ward, Centre College, 600 West Walnut Street, Danville, KY 40422.** Review of applications will begin February 1, 2002, and continue until position is filled. *Equal Opportunity Employer. Women and minorities are encouraged to apply.*

A **POSTDOCTORAL POSITION** is available immediately to participate in NIH-funded studies on Ah receptor-mediated cell cycle control in response to environmental cues. A Ph.D. in molecular and cellular biology or a related field is required. The position offers an excellent research environment and opportunity for career development. All applications should contain curriculum vitae, list of publications, and the names and contact information of three references. Please direct to: **Dr. Cornelis Elferink, Department of Pharmacology and Toxicology, 301 University Boulevard, The University of Texas Medical Branch, Galveston, TX 77555-1031.** *The University of Texas Medical Branch, is an Equal Opportunity/Affirmative Action Employer, Minorities/Females/Disabled/Veterans.*

POSITIONS OPEN

POSTDOCTORAL FELLOW AND/OR RESEARCH ASSOCIATE

We are seeking person(s) with research experience in virology, molecular biology, and cell biology to participate in an NIH-funded gene therapy research project on AIDS. (For our recent work, please see **Bai et al., AIDS Res. Hum. Retroviruses 17:385-399, 2001; Bai et al., Molecular Therapy 1:244-254, 2000.**) Experience with gene cloning, sequencing, viral vectors, FACS analysis, and mouse animal models is highly desirable. Capacity for independent work and ability to interact productively with colleagues is important.

Minimum requirements: degree in biological sciences with relevant experience for Research Associate position. Ph.D. in biological sciences for Postdoctoral position. Salary commensurate with credentials.

Applications will be reviewed beginning November 30, 2001, and will continue until the positions are filled.

Please send a letter of application together with a list of three references and curriculum vitae to:

**Dr. Ramesh Akkina
Department of Pathology
Colorado State University
Fort Collins, CO 80523-1671
Telephone: 970-491-1009
E-mail: akkina@lamar.colostate.edu**

CSU is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL OR RESEARCH ASSOCIATE POSITION

A position is available for an experienced Postdoctoral Researcher in the laboratory of **Dr. A. Godwin** at the Fox Chase Cancer Center in Philadelphia, Pennsylvania. The research program in breast and ovarian cancer involves the study of cancer-prone families, methods for early detection of cancer, molecular genetic analysis of tumors, and functional characterization of cancer-associated genes. The candidate should have a wide range of expertise in the area of molecular biology, genetics, and/or biochemistry. Candidates should be highly motivated and interested in developing an independent research project in the field of cancer biology. For further information, call **Dr. Andrew Godwin; Telephone: 215-728-2756.** To apply, send a full curriculum vitae with names and addresses of three references to: **Andrew K. Godwin, Ph.D., Department of Medical Oncology, c/o Human Resources, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. E-mail: a_godwin@fccc.edu.** *Equal Opportunity Employer.*

POSTDOCTORAL POSITIONS Biology Division University of California San Diego

Postdoctoral positions available to investigate the function of receptor phosphatases and related signaling pathways in process outgrowth and target innervation. Seeking individuals with a strong foundation in (1) biochemistry and molecular biology or (2) cell biology and imaging/computing. Send curriculum vitae and names/addresses of three references to: **Eduardo Macagno, Division of Biology, UCSD, 9500 Gilman Drive, La Jolla, CA 92093-0346. E-mail: dean@biology.ucsd.edu.**

Two **POSTDOCTORAL POSITIONS** funded by the NSF and NIH are available to study the biosynthesis and function of sterols involved in infectious disease and plant physiology. Candidates should have experience in medicinal/synthetic chemistry and/or classical biochemical techniques including protein purification and enzymology. Send curriculum vitae with contact information for three references to: **Dr. W. David Nes, Department of Chemistry and Biochemistry, Texas Tech University, Lubbock, TX 79409-1061. E-mail: w david.nes@ttu.edu.**

**Director of Research-Faculty Positions
The University of Maryland School of Medicine
Division of Pulmonary and Critical Care Medicine**

We are a dynamic, research-oriented Academic Division committed to excellence in medical research. As part of a major expansion, we announce the following positions:

- **Director of Research:** We are seeking an exceptional individual at the tenured Associate/Full Professor level with an MD (board certification in Pulm/CCM required) or PhD, an established research program focused on lung immunology, inflammation, injury, remodeling, or sepsis, a strong record of publication and mentorship and current extramural funding. This individual will have responsibility for developing research programs and mentoring junior faculty/trainees. Resources and salary commensurate with the leadership role of the position; reference Position 03-309-316.
- **Senior Faculty/Lung Research:** We are seeking an MD (board certification in Pulm/CCM required) or PhD for a full-time appointment at the Associate Professor/Professor level. The successful candidate will be expected to establish a research program focused on lung immunology, inflammation, injury, remodeling, or sepsis and must possess a strong record of publication, mentorship, and active extramural funding. Resources, salary, and tenure commensurate with qualifications; reference Position 03-309-324
- **Junior Faculty/Laboratory Director:** We are seeking a PhD at the Instructor level with training in Molecular and Cell Biology to oversee a 10-person laboratory focused on the regulation of cytokine gene expression. Experience in *in vitro* and *in vivo* DNA footprinting, microarray, and real-time PCR is desirable; reference position 03-309-315.

Send CV and names of three references to **Jeffrey D. Hasday, M.D., c/o JoAnn Gibbs, Department of Medicine, Room N3E10, University of Maryland Medical Center, 22 S. Greene Street, Baltimore, MD 21201.** Communication by email acceptable (JHasday@umaryland.edu; Jgibbs@medicine.umaryland.edu). Reference position number when responding.

UMB is an AA/EEO/ADA Employer; women and members of minority groups encouraged to apply.

SYMPOSIA

Hepatic Inflammation and Immunity 2002

**McLaughlin Symposia on Infection and Immunity
The University of Texas Medical Branch**

Galveston, Texas
March 21-24, 2002

Organizers: Ian Nicholas Crispe, Christopher Walker and Stanley M. Lemon

(In conjunction with the 2002 U.S.-Japan Joint Hepatitis Panel Meeting)

This multidisciplinary meeting will examine unique aspects of the intrahepatic immune system and its role in health and disease, focusing on six hypotheses:

- (1) *That the distinctive liver architecture, unusual resident liver lymphocytes and trafficking pattern of leukocytes throughout the organ contribute to its unusual pattern of tolerance, immunity and pathology* (J. Grisham, K. Matsushima, C. O'Farrelly, A. Zlotnik, A. Hamann, M. Salmi);
- (2) *That liver pathogens use multiple complementary strategies to avoid T cell immunity* (F. Chisari, G. Dennert, G. Kersh, P. Klenerman, B. Rehmann, C. Walker);
- (3) *That the liver induces T cell tolerance by killing T cells* (N. Crispe, P. Bertolino, S. Qian, P. Knolle, H.J. Gassel);
- (4) *That death receptors on liver cells are instrumental in both hepatocyte injury and regeneration* (S. Nagata, M. Koziel, A.M. Diehl);
- (5) *That liver lymphocytes control liver regeneration and fibrosis* (T. Abo, S. Friedman, D. Brenner, D. Topham);
- (6) *That natural lymphocytes determine the outcome in intrahepatic immunity* (M. Kronenberg, T. Salazar-Mather).

A poster session is planned. For further information and registration details, see <http://microbiology.utmb.edu/> or contact: **S.M. Lemon, Dept. of Microbiology & Immunology, University of Texas Medical Branch, Galveston, TX 77555-1019; FAX: 1-409-772-5065 or email, msusman@utmb.edu**

ANNOUNCEMENTS

**NATIONAL INSTITUTES OF HEALTH
Undergraduate Scholarship Program**

Science-Research Scholarship Available

The UGSP is sponsored by the National Institutes of Health (NIH), the Federal Government's premier biomedical research and research training agency. NIH offers scholarships to qualified students who are committed to a career in biomedical research.

Scholarships of up to \$20,000 per year support tuition, educational, and qualified living expenses (room, board, transportation) while students pursue an undergraduate degree.

For each award year, scholars work 10 weeks with salary/benefits in our research laboratories in Bethesda, Maryland. They are assigned mentors, participate in developmental and science enrichment seminars, and are provided with housing and transportation. After graduation, scholars participate in year-long paid research fellowships for each year of their award.

**THIS IS A
SPECIAL
OPPORTUNITY
FOR SPECIAL
STUDENTS!**

Advise students to apply if they:

- Are committed to a career in biomedical research;
- Are from a disadvantaged background;
- Have a GPA of at least 3.5 or are in the top 5 percent of their class;
- Are a U.S. citizen, national, or permanent resident;
- Are enrolled or accepted for enrollment as a full-time student at a qualified accredited institution.



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

<http://ugsp.info.nih.gov> • ugsp@nih.gov • 1-800-528-7689

AWARDS

**The Wadsworth Foundation for
Multiple Sclerosis Research
Announcement of Awards**

The Foundation is pleased to announce the first recipients of **Wadsworth Grants for Multiple Sclerosis Research**. Investigators will each receive \$100,000 annually for up to three years. The first Grant recipients are:

Lisa Barcello, Ph.D., University of California – San Francisco
Peter Calabresi, M.D., University of Maryland
Bruce D. Carter, Ph.D., Vanderbilt University School of Medicine
Patrizia Casaccia-Bonnel, M.D. Ph.D., UMDNJ/Robert Wood Johnson
Nitin Karandikar, M.D., Ph.D., University of Texas Southwestern
James Salzer, M.D., Ph.D., New York University of Medicine
William Talbot, Ph.D., Stanford University
Keith W. Weggman, Ph.D., Portland VA Research Foundation

The Wadsworth Foundation also announces the creation of the **Young Investigators' Award for Research in Multiple Sclerosis**. The purpose of the award is to support individuals early in their careers, from post-doctoral training to independent faculty status. Each recipient will receive \$75,000 annually for three years. Congratulations are extended to the first recipient:

Caroline R. Sussman, Ph.D., Case Western Reserve University

The Wadsworth Foundation supports research in a wide range of biological disciplines, including neuroscience, cell and molecular biology and immunology to move advances in basic science toward therapies and cures for Multiple Sclerosis. Collaborative projects between basic and clinical neuroscientists are welcome as are proposals designed to develop tools to advance this field. The next application deadline for these awards is January 1st, 2002. For further information and details regarding the application process, please visit the Wadsworth Foundation website at: www.wadsworthfoundation.org

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE University of Arizona Health Sciences Center Tucson, Arizona

Position available for individual interested in proteomics and molecular pharmacology in the laboratory of **Richard Vaillancourt**, M.D. or Ph.D. required. Highly interactive laboratory environment focused on signal transduction pathways and cellular stress mechanisms. Review of materials is ongoing and will continue until position is filled. To apply, send curriculum vitae and the names and addresses of three references to:

AHSC Human Resources
Job Number 993851

1501 North Campbell Avenue, Number 2233
P.O. Box 245010
Tucson, AZ 85724-5010
FAX: 520-626-0881

The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Women/Disabled/Veterans.

POSTDOCTORAL POSITION: wound healing. An NIH-funded position is available to study the electrophysiological and molecular basis of wound healing in the cornea. Studies will focus on G protein-coupled receptors and ion channels. Must have a Ph.D. or M.D. Patch clamp and/or hands-on molecular biology experience required; knowledge of the eye is not required. Salary is based on experience. Two years of experience preferred but not required. Send curriculum vitae, contact information for three references, and brief description of research interests to: **Dr. Mitchell Watsky, Department of Physiology, University of Tennessee, 894 Union Avenue, Memphis, TN 38163. E-mail: mwatsky@physiol.utm.edu.** *The University of Tennessee is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Employer.*

POSTDOCTORAL POSITIONS

Postdoctoral positions are available at MBR Cancer Center/Department of Physiology, West Virginia University, to study the roles of caveolin in signal transduction, tumor angiogenesis, and apoptosis. Candidates should have a Ph.D. and/or M.D. degree. A strong background in molecular biology and signal transduction is preferred. Please send curriculum vitae and names of three references to: **Dr. Jun Liu, Department of Physiology, Robert C. Byrd Health Science Center, P.O. Box 9229, Morgantown, WV 26506-9229. E-mail: junliu@hsc.wvu.edu.** Review of applications will continue until the positions are filled. *Equal Opportunity Employer.*

A three-year **POSTDOCTORAL POSITION** in spatial modeling of regional forest vegetation and fuels from forest inventory data is available at the United States Forest Service PNW Research Station in Corvallis, Oregon. Requires Ph.D. in ecology, forestry, or related field; experience with multivariate statistics; and GIS. Remote sensing and fire science also desirable. Appointment is GS-11/12 (\$43,326 to \$51,927 depending on experience). Send or e-mail curriculum vitae, copies of college transcripts, contact information for at least three references, and reprints of up to five publications to: **Michael C. Wimberly, Warnell School of Forest Resources, University of Georgia, Athens, GA 30605. E-mail: wimberly@forestry.uga.edu.**

POSTDOCTORAL POSITIONS are available to study the molecular neurobiology of Alzheimer's disease (*PNAS* 98:7605-7610; *Gene* 217:151-176), which is funded by NIH grants. Candidates with experience in molecular biology should send curriculum vitae to: **Dr. Debomoy K. Lahiri, Indiana University School of Medicine, Institute of Psychiatric Research, 791 Union Drive, Indianapolis, IN 46202. E-mail: dlahiri@iupui.edu.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS Cardiovascular Molecular Biology

The Division's laboratories have multiple positions open for talented Fellows who wish to use gene knockout and transgenic technologies to explore questions of cardiovascular development, differentiation, and function. Integrative approaches involving molecular genetics, functional genomics and proteomics, biochemistry, cell biology, and whole organ and animal physiology are used. The successful applicants will have the choice of working with **Jeff Robbins, Mark Sussman, Jeff Molkenstin, or Katherine Yutzey**. Please see website: <http://mcb.chmcc.org> for details of the research programs. Candidates should have the Ph.D. or M.D. and experience either in molecular genetics, cell biology, muscle mechanics, or cardiovascular physiology. You may contact the individual faculty directly or mail, FAX, or e-mail your curriculum vitae and a description of your research interests to: **Dr. Jeffrey Robbins, Professor and Director, Division of Molecular and Cardiovascular Biology, ML 7020, Children's Hospital, 3333 Burnet Avenue, Cincinnati, OH 45229-3039. FAX: 513-636-3852; e-mail: jeff.robbins@chmcc.org.** *Children's Hospital is an Affirmative Action/Equal Opportunity Institution. Women and minorities are encouraged to apply.*

POSTDOCTORAL POSITIONS Molecular Mechanisms of Eukaryotic Transcription Vanderbilt University Medical Center

Two Postdoctoral positions available to examine the role of TBP, the TATA box binding protein and its associated protein factors in RNA polymerase II-mediated transcription initiation using the baker's yeast *Saccharomyces cerevisiae* system. We currently utilize a combination of biochemical, genetic, biophysical, and proteomics methods to study the regulation and interactions of these proteins with each other, DNA, and other transcription factors; details can be obtained at website: http://www.mc.vanderbilt.edu/vumcdept/mpb/weil/weil_lab.html. Interested parties should send curriculum vitae and names of references to: **Dr. Tony Weil, Department of Molecular Physiology and Biophysics, Vanderbilt University, School of Medicine, Nashville, TN 37232-0615. FAX: 615-322-7236. Vanderbilt University is an Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS are available at Boston University Medical School to study heat shock proteins in signal transduction and apoptosis. Send résumé to: **Michael Sherman; FAX: 617-638-5971; e-mail: sherman@biochem.bumc.bu.edu; website: <http://www.bumc.bu.edu/Departments/PageMain.asp?Page=5063&DepartmentID=56>.**

Positions are also available at Harvard Medical School to study molecular mechanisms of neural patterning and apoptosis in *Xenopus* embryos. Send résumé to: **Sergei Sokol; FAX: 617-667-2913; e-mail: ssokol@caregroup.harvard.edu; website: <http://www.bih.harvard.edu/sokol-lab>.**

POSTDOCTORAL POSITIONS available immediately to study the functions of the breast cancer protein BRCA1 and its related proteins in chromatin reorganization, transcriptional regulation, and suppression of breast and ovarian cancers. Highly motivated individuals with experience in molecular biology and biochemistry are encouraged to apply. Send curriculum vitae and the names of three references to: **Rong Li, Ph.D. Department of Biochemistry and Molecular Genetics, Health Sciences Center, University of Virginia, Charlottesville, VA 22908. E-mail: rl2t@virginia.edu.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS VASCULAR CELL AND MOLECULAR BIOLOGY Harvard Medical School

Immediate openings for Postdoctoral Fellowship in The Vascular Research Division, Departments of Pathology, Brigham and Women's Hospital, Harvard Medical School, to study the following projects in vascular cell biology: (1) structure and function of proteins that constitute endothelial cell lateral junctions and regulation by stimuli are being studied. Presently, the emphasis is on VE-cadherin and claudin function in the context of permeability barrier and leukocyte trafficking during inflammation (*J. Cell Biol.* 148:203, 2000; *J. Immunol.* 167:2323, 2001). (2) Several aspects of T lymphocyte-endothelial cell adhesion are being studied. Emphasis is on biochemical and molecular identification of selectin ligands in T helper cells and endothelium using *in vivo* and *in vitro* models (see *Nature* 398:718; *J. Immunol.* 162:3193; *J. Immunol.* 167:4476). (3) Intravital microscopy (IVM) techniques for leukocyte-blood vessel wall interactions. The focus is on endothelium and its junctional components during inflammation (see website: <http://fwl.bwh.harvard.edu>). Candidates should possess an M.D. and/or Ph.D. with a strong background in molecular biological, immunological, and biochemical techniques; skill with small animal models; and a recent degree. Send curriculum vitae, brief description of research, and the names/telephone numbers of three references by FAX/e-mail to: **Dr. F.W. Lusinskas, Brigham and Women's Hospital, Boston, MA 02115. FAX: 617-582-6188; e-mail: flusinskas@rics.bwh.harvard.edu.** *We are an Equal Opportunity Employer.*

A **POSTDOCTORAL POSITION** is available immediately for a CDC-funded study on novel therapies for multidrug-resistant bacteria. Applicants must have a Ph.D. in a biomolecular-related field. The successful candidate will develop bacteriophage-based therapeutics for the treatment of infections and eradication of colonization by clinically relevant, antibiotic-resistant organisms such as vancomycin-resistant enterococcus. Applicants should provide a cover letter, curriculum vitae, and the names of three references to: **Dr. Roger T. Inouye, Beth Israel Deaconess Medical Center, Division of Infectious Diseases, Harvard Institutes of Medicine Building, Room 219, 4 Blackfan Circle, Boston, MA 02115. E-mail: rinouye@caregroup.harvard.edu.** *The Beth Israel Deaconess Medical Center is an Equal Opportunity Employer.*

Two NIH-funded **POSTDOCTORAL POSITIONS** are available to study the role of PLA2 and eicosanoids in the regulation of vascular smooth muscle cell growth. Experience in molecular and cellular biology is required. Interested candidates with a Ph.D., M.D., or M.D./Ph.D. degree should send curriculum vitae and names of three references to: **Gadiparthi N. Rao, Ph.D., Department of Physiology, The University of Tennessee Health Science Center, 426 Nash, 894 Union Avenue, Memphis, TN 38163. E-mail: grao@physiol.utm.edu.** *The University of Tennessee is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/Americans With Disabilities Act/Age Discrimination in Employment Act Employer.*

POSTDOCTORAL RESEARCH POSITIONS available at the University of Illinois at Chicago Department of Ophthalmology and Visual Sciences to study the role of gap junctions in the eye, brain, and cardiovascular system. The projects will include but are not limited to study of connexins and their interaction with regulatory proteins, their involvement in signal transduction pathways, the generation and characterization of knockout mice, and the structural analysis of gap junctions. Experience with membrane proteins, gene targeting, yeast 2-hybrid, cell culture, electrophysiology, or confocal microscopy is highly desirable. Send curriculum vitae and references to: **Glenda Genio-Terrado, UIC Eye Center, 1855 West Taylor Street, M/C 648, Chicago, IL 60612. E-mail: glenda@uic.edu.**

POSITIONS OPEN

POSTDOCTORAL POSITION Yale University School of Medicine Section of Pulmonary and Critical Care Medicine

Position available immediately for Ph.D. and/or M.D. to investigate effector functions of cytokines in the pathogenesis of asthma, emphysema, and/or acute lung injury using transgenic technology (see *J. Exp. Med.* 194:12001; *J. Biol. Chem.* 276:5222, 2001; *J. Clin. Invest.* 101:1970, 1998; *J. Clin. Invest.* 106:1081, 2000; *J. Exp. Med.* 192:1587, 2000.) Strong background in molecular biology and immunology required. Experience in generating targeted null mutations highly desirable. Please send a brief cover letter; curriculum vitae, and the names, telephone numbers, and e-mail addresses of three references to: Jack A. Elias, M.D., Waldemar Von Zedwitz Professor of Medicine, Chief Pulmonary and Critical Care Medicine, Yale University School of Medicine, 333 Cedar Street, LCI 105, Box 208057, New Haven, CT 06520-8057. *An Equal Opportunity/Affirmative Action Employer. We strongly encourage applications from women and minority candidates.*

POSTDOCTORAL POSITION available for a recent graduate with a Ph.D. in microbiology or related field to work on a novel system for studying the molecular basis of host-pathogen interactions. The project is aimed at defining the host cell targets of the intracellular pathogen *Legionella pneumophila* in the protozoan host *Dictyostelium discoideum*. The effects of genetically altered *D. discoideum* on the outcome of *Legionella* infections will be studied using cell biological methods. The project will combine expertise from the laboratories of Richard Kessin and Howard Shuman with *D. discoideum* and *L. pneumophila*, respectively. Please send résumés and letters of recommendation to: H. A. Shuman, Department of Microbiology and College of Physicians and Surgeons, 701 West 168th Street, New York, NY 10032. FAX: 212-305-1468; e-mail: has7@columbia.edu. *Columbia University is an Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION available immediately to study the molecular mechanism of neurite outgrowth induced by the guanine-nucleotide exchange factors Kalirin and Trio and the Rho family of small GTPases. A Ph.D. and strong technical foundation in molecular biology, neuroscience, or a related discipline is required. Salary and benefits will be consistent with NIH guidelines. Send curriculum vitae and names of three references to: Dr. Martin R. Schiller, University of Connecticut Health Center, Department of Neuroscience, 263 Farmington Avenue, Farmington, CT 06030-3401. E-mail: schiller@nso.uchc.edu. *The University of Connecticut Health Center is an Affirmative Action Employer.*

Stony Brook University/SUNY is seeking a **POSTDOCTORAL RESEARCH ASSOCIATE**, NIH funded. Position available to conduct directed and independent research in the area of signal transduction. Project concerns the regulation of P13-kinase by G proteins. Required: Ph.D. or equivalent degree. Experience in biochemical and molecular techniques required. Experience in cell signaling preferred. Please send letter and curriculum vitae to: Richard Lin, M.D., Division of Hematology, Health Sciences Center T-15, Stony Brook University/SUNY, Stony Brook, NY 11794-8151. E-mail: richard.lin@sunysb.edu. *Stony Brook University/SUNY is an Affirmative Action/Equal Opportunity Employer and Educator.*

POSTDOCTORAL POSITIONS to study intracellular transport and cytoskeletal organization. Opportunities to focus on either basic mechanisms or applications to cancer, inflammation, or microbial pathogenesis. Please send curriculum vitae with three references to: Victor W. Hsu, M.D., Harvard Medical School, Brigham and Women's Hospital, One Jimmy Fund Way, Smith 538, Boston, MA 02115 U.S.A. FAX: 617-525-1104; e-mail: vhsu@rics.bwh.harvard.edu.

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POSTDOCTORAL POSITIONS Center for Molecular Medicine Maine Medical Center Research Institute

Available immediately to study molecular mechanisms underlying development of paraxial mesoderm and central nervous system in vertebrates using molecular, genetic, and embryological approaches in mouse and *Xenopus* (see *Genes and Dev.* 14:3204, 2000; *Dev. Biol.* 222:376, 2000). The successful candidates should have a Ph.D. and experience in molecular biology. Experience with mouse *Xenopus* embryology and/or gene targeting/transgenic mouse models is preferred. Applicants should send curriculum vitae, a brief statement of research interests, and three references to: Jeong K. Yoon, Ph.D., Center for Molecular Medicine, Maine Medical Center Research Institute, 81 Research Drive, Scarborough, ME 04074. E-mail: jkyoon@mmc.org. *Equal Opportunity Employer.*

ANNOUNCEMENTS

U.S. POSTAL SERVICE

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1-9. *Science*, Publication No. 0036-8075, is published weekly on Friday, except the last week in December, at 1200 New York Ave., NW, Washington, DC 20005. Date of filing: 23 October 2001. This is also the address of the publisher, the editor, and the managing editor, who are, respectively, Richard S. Nicholson, Donald Kennedy, and Monica M. Bradford.

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

POSITIONS OPEN

POSTDOCTORAL POSITION Yale University School of Medicine Section of Pulmonary and Critical Care Medicine


A Postdoctoral position is available immediately at Yale University School of Medicine in the Section of Pulmonary and Critical Care Medicine. Our laboratory is interested in macrophage activation in noninfectious lung disease, molecular mechanisms of pulmonary fibrosis, and transgenic modeling of pulmonary fibrosis. Candidates should have a Ph.D. and a strong background in molecular biology. Please send curriculum vitae, summary of research experience, and names of three references to: Paul Noble, M.D., Yale University School of Medicine, Pulmonary and Critical Care Section, 105 LCI, P.O. Box 208057, New Haven, CT 06520-8057. E-mail: paul.noble@yale.edu. *An Equal Opportunity/Affirmative Action Employer. We strongly encourage applications from women and minority candidates.*

The Carolina Cardiovascular Research Center at the University of North Carolina at Chapel Hill has positions open for **POSTDOCTORAL FELLOWS** to pursue innovative research in the regulation of stress-responsive events by ubiquitin-proteasome pathways in cardiovascular diseases (*Molecular and Cellular Biology* 19:4535-4545; *Nature Cell Biology* 3:93-96). Applicants should have experience in basic molecular and cell biology techniques; some projects will also employ mouse models of cardiovascular physiology. Send curriculum vitae, a statement of research interests, and names of three references to: Cam Patterson, M.D., Carolina Cardiovascular Research Center, CB Number 7126, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-7126. E-mail: cpatters@med.unc.edu. *UNC-CH is an Equal Opportunity/Americans With Disabilities Act Employer.*

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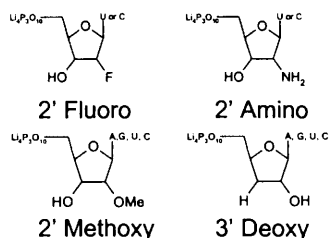
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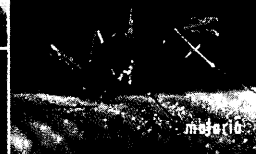
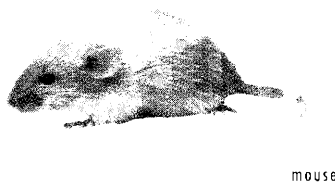
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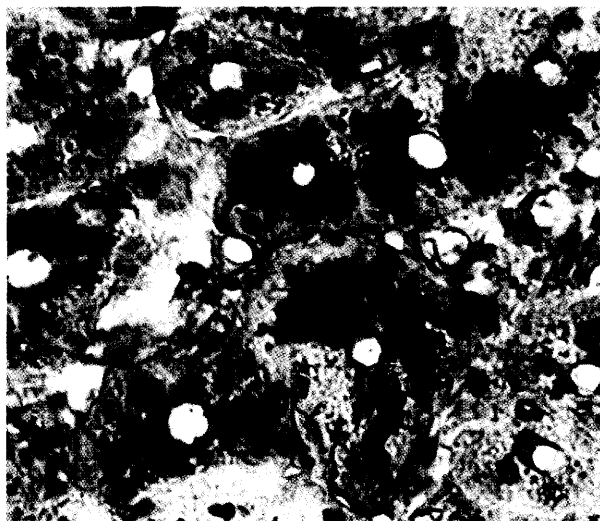
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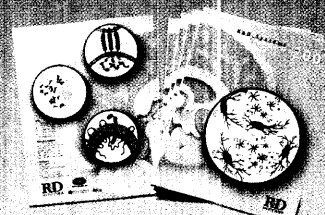
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