

# NEW PRODUCTS

## Advanced Chemistry Collection University of Wisconsin-Madison

Madison, WI  
CD-ROM, \$60  
800-991-5534  
<http://jchemed.chem.wisc.edu/JCESoft/Issues/index.html>

## FOR STUDENT CHEMISTS

The Advanced Chemistry Collection CD-ROM represents a special issue of the American Chemical Society Division of Chemical Education Journal, "JCE Software," which brings together a wide variety of interesting chemistry-related computer programs designed primarily for teaching.

Programs on the disk cover a broad range of topics in chemistry, including many that would otherwise require access to complex instruments, such as mass spectrometry and nuclear magnetic resonance (NMR). Some programs use animations to illustrate simple reactions and reaction coordinates, or to demonstrate quantum mechanics. Others help with independent learning and provide practical exercises, and yet others are fun and illustrative, like molecular dynamics movies of alkane chains. Examples depict nomenclature and display coordination complexes and animated vibration modes of small molecules.

The mass spectrometry simulation provides the mass spectrum of a simple compound and schematically shows the operation of the machine. A graphical control panel allows the user to perform the mass spectrum analysis again at different gain levels and settings of current and voltage, using one or the other as the scan parameter.

Organic Nomenclature is a particularly useful program for students of organic chemistry. Multiple-choice self-exercises (with names or structures) help solidify learning in this challenging area of undergraduate chemistry.

Acid-Base is a surprisingly sophisticated program that uses a simple stockroom, flask, and titration paradigm. Solutions of analyte and titrant are easily set up at the desired concentrations in this program, and titration curves are plotted to show what would be expected if the experiment were carried out in the lab. This could serve as a good preliminary exercise before lab class, or as a review after a lab session on this topic.

The NMR-Simulation program simulates spectra and allows one to create chemical drawings of simple compounds. The spectral output of the structure builder mode clearly shows assignments and coupling constants. This is a simple but very handy program for self study, homework assignments, or as a supplement to a laboratory experiment.

Alkanes in Motion uses a molecular dynamics movie that is speed-adjustable and includes examples of multiple C-18 molecules vibrating on the screen. Some future implementation of this would be a fascinating screen saver.

The programs were well-written by academics in the field, and they are supplemented by notes, user guides, and sample exercises. The Macintosh and PC versions contain 19 and 21 programs, respectively. Although the program titles vary somewhat between platforms, a good deal of overlap occurs in subject matter covered.

Interested users should note that some programs require additional software, such as Acrobat Reader, Mathematica, MathCad, MacMolecule2, QuickTime, or Hypercard Player.

—E. M. Bellott

Johnson Matthey/Pharm-Eco Laboratories, Devens, MA 01432, USA. E-mail: [ebellott@pharmeco.com](mailto:ebellott@pharmeco.com)

## Ambion

For more information  
800-888-8804  
[www.ambion.com](http://www.ambion.com)  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

## RNA MIXTURE

The Human FirstChoice Pooled Tumor/Normal Adjacent Tissue RNA consists of a mixture of RNA isolated from multiple tumors of a given type and the associated and normal adjacent tissue. Stringent quality-control standards ensure that this DNase-treated RNA is suitable for any downstream application including reverse transcription-polymerase chain reaction, Northern analysis, array analysis, and nuclease protection assays.

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[www.scienceproductlink.org](http://www.scienceproductlink.org)

## ANTIBIOTIC SUSCEPTIBILITY TESTING

The ProtoZONE, a dedicated inhibition zone reader, automatically measures zones to produce accurate antibiotic susceptibility testing results in seconds. It is an integrated system, including powerful personal computer technology and a charge-coupled device camera to analyze sample plates containing antibiotic disks and their related inhibition zones. At the click of a button, the software sizes the zones around each disk to generate accurate results. A high-resolution image is displayed for each plate, with susceptibility flags displayed next to the measured zones. For a 9-cm plate, ProtoZONE can read, display, and store zone measurements from six disks in under 2 s. The system's software can work with a wide range of agar types, including difficult-to-see zones on blood agar. Results are automatically stored and users can save plate images for independent auditing later.



## Biometra

For more information  
0049-551-50686-0  
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[www.scienceproductlink.org](http://www.scienceproductlink.org)

## THERMOCYCLER

With the TGradient thermocycler, 12 different annealing temperatures can be tested in a single run. Thus, new primers can be quickly optimized. Based on more than 10 years of experience in Peltier technology, the TGradient achieves noteworthy heating and cooling rates and temperature uniformity. Features include a gold-plated silver block, temperature gradient of up to 40°C, adjustable heated lid with automatic pressure control, exchangeable block modules, and low power consumption.

## Bioinformatics Solutions

For more information  
519-885-8288  
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[www.scienceproductlink.org](http://www.scienceproductlink.org)

## DE NOVO SEQUENCING SOFTWARE

PEAKS software for de novo sequencing is based on a sophisticated algorithm design in addition to the traditional dynamic programming approach. Current software tools for de novo sequencing aren't accurate enough to identify the protein peptides from mass spectrometry (MS) data. PEAKS software correctly derives more peptide sequences on tandem MS/MS data from any mass spectrometer than any other software, according to the manufacturer. PEAKS makes use of a method that searches for all the possible

peptides in the whole search space for the best matches based on a scoring scheme, takes into account most types of ions into the computation, and automatically detects many posttranslational modifications including phosphorylation. The difference between database search software and PEAKS de novo sequencing is that only a subset of all possible peptides is contained in any database in practice. Therefore, the peptides not in the databases can only be found de novo, which is important for today's MS researchers.

#### Eppendorf

For more information  
49-40-538101-0  
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#### AUTOMATED HIGH-THROUGH-PUT PLASMID PURIFICATION

The PerfectPrep 384 reagent system is for the purification of plasmid DNA in a 384-well microtiter format. This optimized system, integrated on an innovative robotic platform, enables ultra-high throughput nucleic acid purification, up to 9600 samples over an 8-hour period. A large number of time-consuming steps have been automated on this system.

#### InnoGenex

For more information  
925-543-1400  
www.innogenex.com

[www.scienceproductlink.org](http://www.scienceproductlink.org)

#### IMMUNOHISTOCHEMISTRY KITS FOR RODENT TISSUES

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ground. Serial amplification allows very high sensitivity, retaining the high specificity inherent to the antibody-antigen and biotin-streptavidin interactions. Matched detection reagents and protocols produce maximal signal-to-noise ratios, and for maximum convenience and reproducibility, reagents are supplied in a pre-titrated, ready-to-use format in precision dropper bottles.

#### StemCell Technologies

For more information  
604-877-0713  
www.stemcell.com

[www.scienceproductlink.org](http://www.scienceproductlink.org)

#### POSITIVE CELL SELECTION

EasySep is a simple and rapid immunomagnetic cell-selection procedure that combines the specificity of monoclonal antibodies with the ease of a column-free magnetic system. Highly pure cells are obtained by positively selecting the cell of interest with antibodies to a specific cell-surface antigen. Cells targeted for selection are crosslinked to EasySep magnetic nanoparticles in a standard fluorescence-activated cell sorter (FACS) tube. The tube is placed in the specially designed EasySep handheld magnet and the cells that are not labeled are poured off and removed simply by inverting the magnet. In just 45 min, highly pure, positively selected cells are available for further study, and EasySep nanoparticles do not interfere with subsequent FACS analysis.

#### Zymo Research

For more information  
888-882-9682  
www.zymoresearch.com

[www.scienceproductlink.org](http://www.scienceproductlink.org)

#### PLASMID PREPARATION SYSTEM

The Hot-prep Kit is based on a boiling method for fast, flexible plasmid preparation. This single-buffer system generates crude plasmid prepa-

CONTINUED ON PAGE 1714

#### NHLBI

#### Mammalian Genotyping Service



The Mammalian Genotyping Service is funded by the National Heart, Lung, and Blood Institute primarily to assist in linkage mapping of genes which cause or influence disease. Capacity of the Service is currently about 7,000,000 genotypes (*DNA samples times polymorphic markers*) per year and growing.

To ensure that the most promising projects are undertaken, investigators must submit brief applications which are evaluated by a scientific advisory panel. At this time, only projects involving human, mouse, rat, dog or zebrafish and only projects with >10,000 genotypes will be considered. DNA samples must be in hand at the time of application. **There are no genotyping fees for approved projects.** Application deadlines are every six months.



#### Upcoming Deadlines:

**September 30, 2002**

**March 31, 2003**

Visit our website for application information:

<http://research.marshfieldclinic.org/genetics>

#### NASA Office of Biological and Physical Research



Research Opportunities for Ground-Based  
Research in Space Radiation Biology and  
Space Radiation Shielding Materials:  
NRA 02-OBPR-02

The National Aeronautics and Space Administration (NASA) requests proposals for **ground-based** research in the following areas of radiation research:

- DNA mutagenesis and recombination
- DNA damage and repair
- CNS radiobiology
- Individual genetic susceptibility
- Discovery of biological countermeasures
- Novel radiation shielding materials
- Multifunctional spacecraft materials

Research proposals are expected to utilize charged particle beams at NASA-supported Brookhaven National Laboratory facilities.

Announcements available at  
[http://research.hq.nasa.gov/code\\_u/code\\_u.cfm](http://research.hq.nasa.gov/code_u/code_u.cfm)  
or by calling (202) 479-9030 x277  
**Proposals Due November 25, 2002**

rations suitable for restriction enzyme digestion, agarose gel size fraction, sequencing, polymerase chain reaction, and more. This system is designed for routine cloning, screening, and characterization of large numbers of colonies.

### Olympus

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+49 40 23773-326  
[www.olympus-europa.com](http://www.olympus-europa.com)  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

The new CKX series provides a choice of inverted microscopes for routine cell culture observation. Both microscopes, CKX31 and CKX41, have superior optical performance with high-resolution, high-contrast images delivered by UIS optics, the original Olympus infinity-corrected optical system. For the most basic applications, the CKX31 has a fixed binocular tube and FN20. The more powerful CKX41 has FN20 and optional FN22 and a unique tilting head as standard. Exchangeable observation tubes help in applications when documentation is necessary. A new trinocular tube is offered in such cases, enabling a variety of documentation options, including the attachment of digital cameras for rapid recording.



### Applied Biosystems

For more information  
800-899-5858  
[www.appliedbiosystems.com](http://www.appliedbiosystems.com)  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

### CELL CULTURE OBSERVATION

The new CKX series provides a choice of inverted microscopes for routine cell culture observation. Both microscopes, CKX31 and CKX41, have superior optical performance with high-resolution, high-contrast images delivered by UIS optics, the original Olympus infinity-corrected optical system.

### HUMAN GENOME-DERIVED ASSAYS

Assays-on-Demand single nucleotide polymorphism (SNP) genotyping and gene expression

products are a comprehensive line of functionally validated, ready-to-use assays derived from human genome information. This product line is designed to give researchers the ability to screen a greater number of targets faster, more easily, and more cost-effectively, yielding accurate, reproducible data about the molecular basis of disease and the value of therapeutic candidates. The initial set consists of 77,000 assays for SNP genotyping and 4400 assays for quantitative gene expression analysis.

### Beckman Coulter

For more information  
800-742-2345  
[www.beckmancoulter.com](http://www.beckmancoulter.com)  
[www.scienceproductlink.org](http://www.scienceproductlink.org)

### LITERATURE

eLabNotebook, an applications-based service on the company's Web site, enables customers to quickly and easily locate information pertaining to specific applications of Beckman Coulter life science research products. All materials for an application are located together on the Web site, including methods, application bulletins, product specifications, troubleshooting information, and FAQs. Examples of the information include coverage of nucleic acid preparation and applications along the entire drug-discovery continuum, from basic research to primary and secondary screening.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturer or supplier by visiting [www.scienceproductlink.org](http://www.scienceproductlink.org) on the Web, where you can request that the information be sent to you by e-mail, fax, mail, or telephone.

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### MEETINGS/ ANNOUNCEMENTS

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**Richard Walters**

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### POSITIONS OPEN

#### TENURE-TRACK/ TENURED FACULTY POSITION Physiology

The Department of Physiology at the University of South Alabama College of Medicine invites applications for tenure-track or tenured positions at the ASSISTANT and ASSOCIATE PROFESSOR ranks. This recruitment is part of the growth and expansion of the Department of Physiology and College of Medicine.

Targeted areas for recruitment include cardiovascular and/or pulmonary biology, renal and/or endocrine biology, and cell signaling/inflammation. We seek candidates that will apply modern molecular and genetic approaches to the understanding of cell, tissue, and organ-system function. The successful candidates will be expected to develop and maintain extramurally funded, independent research programs and to participate in teaching medical and graduate students. Candidates that have demonstrated the ability to conduct collaborative and interdisciplinary research projects will have a clear advantage over others. Excellent research facilities and core laboratories are among the attractions. Competitive salary and start-up packages will be provided in addition to newly renovated laboratory space. The rank to which the applicants will be appointed will be determined by experience and current extramural funding. Mobile, Alabama, is a beautiful waterfront city located near the Gulf of Mexico. Applications including curriculum vitae, a statement of current and future research goals, teaching experience, and a letter of intent should be submitted to:

**Thomas M. Lincoln, Ph.D.**  
Chair, Department of Physiology  
College of Medicine  
University of South Alabama  
307 University Boulevard, MSB 3024  
Mobile, AL 36688  
Telephone: 251-460-6428  
E-mail: [tlincoln@usouthal.edu](mailto:tlincoln@usouthal.edu)

The positions are available immediately and the search will remain open until the positions are filled. The University of South Alabama is an Equal Opportunity Employer.

#### ASSOCIATE DIRECTOR FOR BIOLOGY ES-0401/1301-00 Senior Executive Service (SES)

The U.S. Geological Survey (USGS) is seeking candidates for the position of Associate Director for Biology. This is a career civil service position in the SES with a salary range that begins at \$125,972 per annum. The incumbent serves as the Associate Director for Biology in the U.S. Geological Survey (USGS). As the federal government's foremost natural science organization, the USGS serves the nation by providing reliable scientific information to describe and understand the Earth; to minimize the loss of life and property from natural disasters; to manage water, biological, energy, and mineral resources; and to enhance and protect our quality of life. The Associate Director for Biology is responsible to the Director and Deputy Director for the planning and executive leadership of the Biological Resources Program, which encompasses the determination, appraisal, and preservation of the biological resources of the United States, its territories and possessions, and many foreign areas.

Please contact the **Human Resources Office**; Telephone: 703-648-6131 to receive a complete vacancy announcement, applications, OF612; or résumé must be received at the following address no later than September 27, 2002, and should reference announcement SES-02-04. You may submit your application for consideration via mail or FAX: 703-648-5200. Applications will not be accepted via e-mail.

U.S. Geological Survey, Human Resources Office, 12201 Sunrise Valley Drive, MS601, Reston, VA 20192. The U.S. Geological Survey is an Equal Opportunity Employer. U.S. citizenship is required.

### POSITIONS OPEN



#### ASSISTANT PROFESSORS Institute of Molecular Biology

The Institute of Molecular Biology and the Department of Biology at the University of Oregon (website: <http://www.molbio.uoregon.edu>) seek to fill two new tenure-track faculty positions to begin fall 2003. We seek outstanding individuals studying fundamental problems in molecular, cellular, and developmental biology as well as genetics, structural biology, molecular genetics of behavior, and molecular evolution but will consider applicants working in other areas. Individuals who are using genetic, genomic, and/or proteomic approaches are especially encouraged to apply. These positions provide an opportunity to build on connections to the Institute of Neuroscience. We anticipate filling these positions at the tenure-track Assistant Professor level. The successful candidate will have an outstanding research program and a commitment to excellence in teaching. Interested persons should forward curriculum vitae; statement of research plans and teaching interests; and arrange for three letters of recommendation to be sent by November 1, 2002, to: **Molecular Biology Search, Department of Biology, University of Oregon, Eugene, OR 97403-1229.**

#### ASSISTANT PROFESSOR Institute of Neuroscience

The Institute of Neuroscience and the Department of Biology at the University of Oregon seek applications from Researchers studying fundamental problems in neuroscience and/or developmental biology to fill a tenure-track position to begin fall 2003. The interests of our group encompass all levels of analysis from molecular, genetic, and cellular to behavioral in a diversity of species (website: <http://www.uoneuro.uoregon.edu>). We especially encourage applications from individuals whose research integrates multiple areas and complements existing research programs in life sciences at the University of Oregon (website: <http://lifesci.uoregon.edu>). The successful candidate will have an outstanding research program and a commitment to excellence in teaching. Interested persons should forward curriculum vitae; statement of research plans and teaching interests; and arrange for three letters of recommendation to be sent by November 1, 2002, to: **Neuroscience/Development Search, Department of Biology, University of Oregon, Eugene, OR 97403-1229.** The University of Oregon is an Equal Opportunity/Affirmative Action Institution committed to cultural diversity and compliance with the Americans With Disabilities Act.

#### ASSISTANT/ASSOCIATE PROFESSOR

As part of an expansion in molecular pharmacology and toxicology, the Department of Pharmacology, F. Edward Hebert School of Medicine, invites applications for a tenure-track Assistant/Associate Professor. Candidates with a Ph.D., M.D., or equivalent degree and the ability to develop an independent research program in a relevant area of pharmacology are encouraged to apply. The Department is particularly interested in research that addresses fundamental questions in cellular communication. The successful applicant will participate in medical and graduate education. Salary is fully funded by the University and generous start-up support will be provided. Applicants should send curriculum vitae, a statement of current and anticipated research, and three letters of reference to: **Dr. Jeffrey M. Harmon, Chair, Search Committee, Department of Pharmacology, Uniformed Services University of the Health Sciences, 4301 Jones Bridge Road, Bethesda, MD 20814-4799.** FAX: 301-295-3220; e-mail: [jharmon@usuhs.mil](mailto:jharmon@usuhs.mil). Preference will be given to U.S. citizens or permanent residents. USUHS is an Equal Opportunity Employer/Affirmative Action Employer.



Institut national  
de la santé et de la recherche médicale

## AVENIR 2002

### Program for the promotion of young researchers

Inserm is the French public institute devoted to biomedical research. Over 10 000 people work in its 350 laboratories throughout France. To promote young researchers and to boost the scientific dynamism of biomedical research, of clinical research and of research in public health

#### **Inserm launches "AVENIR 2002", a program for the promotion of young scientists, clinicians, post-doctoral fellows (no nationality restriction) with a top-ranking scientific project**

The Avenir program will provide the awardees with:

- financial support of up to 60 000 euros per year for 3 years
- laboratory space of about 50 m<sup>2</sup>
- access to core facilities
- the opportunity to create a small team with the financial support of a foreign post-doctoral fellow
- for post-doctoral awardees: a monthly fellowship of 2 300 euros (in association with: AFM, ARC, FRM, LNCC, ANRS, EFS, the French Ministry of Health (DHOS, DGS), Canam, hospitals, universities, local councils, industry)

Collaborative projects are welcome.

Inserm will offer up to 40 Avenir positions.

For further information and to download the application form, please visit  
Inserm website at <http://www.inserm.fr/avenir2002>  
You may also call Marie-Catherine Postel-Vinay at: + 33 1 44 23 67 05 or send an email to:  
[postel-vinay@tolbiac.inserm.fr](mailto:postel-vinay@tolbiac.inserm.fr)



#### **FLORIDA ATLANTIC UNIVERSITY Davimos Family Eminent Scholar Chair in Brain Science**

Florida Atlantic University (FAU) invites nominations and applications for the newly created Davimos Family Eminent Scholar Chair in Brain Science. FAU is a rapidly growing institution with a current enrollment of more than 23,000 students on seven campuses in Palm Beach, Broward and St. Lucie Counties, and is in the process of significantly expanding and strengthening research and graduate programs. The successful candidate for this endowed chair will be an internationally recognized brain scientist with a well-funded research program which will be housed in the newly renovated 25,000-square foot Center for Complex Systems and Brain Sciences on FAU's Boca Raton campus. The Center includes access to state-of-the-art computational and neuroimaging facilities (fMRI, MRI, PET, EEG), and its faculty includes cognitive and computational neuroscientists, physicists, and mathematicians. The primary responsibility of the Davimos Family Chair will be to advance work in the field of brain science, with special interest in the study of memory and brain pathology.

Applications and nominations, including a complete curriculum vitae and publication list, along with the names, addresses and telephone numbers of four references, should be sent by October 15, 2002 to: **University Provost's Office, Attn: Debra Kain, Florida Atlantic University, 777 Glades Road, Boca Raton, FL 33431-0991**. Detailed information about the position and the Center can be found at [www.ccs.fau.edu](http://www.ccs.fau.edu). Please do not submit resumes via e-mail.

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OPPORTUNITY/ACCESS INSTITUTION*



## MAYO CLINIC

#### **CLINICAL PSYCHIATRIC INVESTIGATOR Rochester, Minnesota**

The MAYO CLINIC is pursuing a national search for an outstanding psychiatric investigator to join a research team that is developing an integrated program of clinical research focusing on mood disorders but involving a broad spectrum of additional psychiatric disorders. Expertise in psychiatric genetics and interest in genomic investigations is important given the development of the programmatic priorities of the Department and Clinic. Demonstrated competence in the initiation and conduct of clinical research and evidence of successful extramural funding support is essential.

New research facilities within the Department at the Mayo Clinic have been developed and support for research staff and operations is available. The compensation package at the Mayo Clinic is highly competitive and includes exceptional professional benefits. The successful candidate will also receive an academic appointment at the Mayo Medical School.

For further information, please send a detailed letter describing your research interests and a complete curriculum vitae by e-mail or traditional mail to:

**David A. Mrazek, M.D., F.R.C. Psych.**  
**Professor and Chair**  
**Department of Psychiatry and Psychology**  
**Mayo Clinic**  
**200 First Street SW**  
**Rochester, MN 55905**  
**E-mail: [mrazek.david@mayo.edu](mailto:mrazek.david@mayo.edu)**

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



# SULTAN QABOOS UNIVERSITY

Sultan Qaboos University, the National university of the Sultanate of Oman has the pleasure to invite applicants for academic posts in the **College of Science** and **College of Agricultural and Marine Sciences**.

Both Colleges provide a variety of degree programs based on an American degree plan. Since all instruction is in English candidates must be fluent in English and have an earned PhD as a minimum requirement for appointment. The University is located near the capital area and close to excellent international schools and unique natural recreational areas. Apart from an attractive tax-free base salary, SQU offers free furnished accommodation, free medical care on campus and in government hospitals, end of service gratuity, subsidized schooling for up to two children and 60 days annual leave with return air -tickets. General information about the University and the Colleges is available on the University's Web site [www.squ.edu.om](http://www.squ.edu.om)

## College of Science

### 1. BIOLOGY (ADV/SCI/BIO/08/02):

**Assistant professor.** The Department of Biology has a vacancy for an Assistant professor with experience in teaching and research in Animal Physiology and preferably Toxicology. The appointee will be expected to teach a range of courses from introductory biology to specialized M.Sc courses. Enquiries can be addressed to Dr. Abdulkadir Elshafie at [elshafie@squ.edu.om](mailto:elshafie@squ.edu.om).

### 2. CHEMISTRY (ADV/SCI/CHEM/08/02):

**Assistant professor.** The Department of Chemistry has a vacancy for an Assistant professor with at least four year teaching experience in major disciplines in physical Chemistry such as quantum chemistry, thermodynamics, kinetics, etc, and with strong experimental skills. Enquiries can be addressed to Dr. salma Al-kindy at [alkindy@squ.edu.om](mailto:alkindy@squ.edu.om).

### 3. COMPUTER SCIENCE (ADV/SCI/CS/08/02):

**Assistant, Associate or full professor.** Two positions are available for computer scientists with specialization in any area of computer science. A good research record and teaching experience are desirable. Enquiries can be addressed to Dr. Haider Ali Ramadhan at [haider@squ.edu.om](mailto:haider@squ.edu.om).

### 4. MATHEMATICS & STATISTICS (ADV/SCI/DOMAS/08/02):

**Assistant professor.** The Department has two positions available in Applied Mathematics and one in Statistics. Candidates interested in the Statistics position should be well versed in a variety of statistical software packages and preference will be given to candidates with experience in Actuarial science, Bayesian Statistics or Applied Statistics. All positions will entail teaching at undergraduate and graduate level and candidates should have a strong commitment to high quality teaching and scholarly research. Enquiries can be addressed to prof. Lakhdere Benkherouf at [hoddomas@squ.edu.om](mailto:hoddomas@squ.edu.om).

### 5. PHYSICS (ADV/SCI/PHYS/08/02):

**Assistant professor.** A physicist with research specialization in high energy physics, condensed matter or magnetism and good teaching experience is required. Enquiries can be addressed to Dr. Ahmad Al-Rawas at [arawas@squ.edu.om](mailto:arawas@squ.edu.om)

**DEADLINE:** All Positions will remain open until filled but application received before 30th September 2002 will receive strongest consideration

## College of Agricultural and Marine Science

### 1. Agriculture Economics and Rural Studies (ADV/AGRI/ECON/08/02):

#### a) Agriculture Business

##### (Assistant / Associate Professor)

Candidates should have a Ph.D. in Agricultural Economics or a related discipline with a good knowledge of business management, agricultural finance, marketing, and trade

#### b) Natural Resource Economic

##### (Assistant / Associate Professor)

Candidates should have a Ph.D. in Agricultural Economics or Economics with a good knowledge of economic theory and its application to natural resource and policy issues

### 2. Animal and Veterinary Sciences (ADV/AGRI/VET/08/02)

**Assistant / Associate Professor.** The position requires a DVM or equivalent degree, and a Ph.D. in an area of clinical investigation. Clinical experience is essential.

### 3. UNESCO Chair in Seafood Biotechnology (ADV/AGRI/UNESCO/08/02)

**Associate Professor / Professor.** The College is seeking an outstanding individual in Fisheries / Food Science to fill the newly established UNESCO Chair in Seafood Biotechnology. The aim of the Chair is to promote an integrated system of research, training, information and documentation in the field of advanced applied process biotechnologies, food safety and environmental protection. The Chair is expected to work closely with the Head of Department of Marine Science and Fisheries and Department of Food Science and Nutrition in the development of value added seafood products.

Inquiries can be addressed to the Dean, College of Agricultural and Marine Sciences, Prof. Mattheus F.A. Goosen, at [fleisma@squ.edu.om](mailto:fleisma@squ.edu.om)

**DEADLINE:** All Positions will remain open until filled but application received before 31st October 2002 will receive strongest consideration.

Interested candidates are requested to include a statement of interest, a detailed curriculum vitae and names and addresses of three referees to the following address quoting the reference of the required post:

The Director, Personnel Affairs Sultan Qaboos University  
P. O Box 50, Postal code 123, Al-Khod, Sultanate of Oman  
Fax: (+968)513-255, E-mail: [vacancies@squ.edu.om](mailto:vacancies@squ.edu.om)



NMRC is today the premier research institute in Ireland in Information and Communications Technologies (ICT). Our mission is to develop new scientific knowledge and key technological capabilities in strategic ICT-related fields that will enable Irish industry to create innovative ICT products. NMRC's strategic ICT research agenda currently encompasses initiatives in photonics, nanotechnology, microtechnologies, and ICT/Bio.

Research at the nanobiotechnology interface focuses on the application of ICT design and fabrication to the development of novel multi-functional medical, biological and chemical point-of-care diagnostic and therapeutic devices and the integration of such devices into highly miniaturised multi-functional microsystems such as "biochip" or "lab-on-a-chip" technologies.

## RESEARCH DIRECTOR NANOBIOTECHNOLOGY

NMRC now wishes to establish a major research group that will focus on strategic research into new hybrid technology platforms that will successfully address key challenges in the development and exploitation of future nanobiotechnology systems.

The successful candidate will have a doctorate in nanobiotechnology, microsystems, molecular biology, medical or biological microtechnology, or a related discipline and significant experience leading research teams. Responsibilities include the establishment of a world-class, independent strategic research programme, merging the multi-disciplinary aspects of this field through key innovations at the ICT/Bio interface. The appointee will become a member of the NMRC senior management team.

Applications with Curriculum Vitae, publications list, statement of research interests as well as details of at least five referees should be sent by 20th September 2002 to Clodagh Gleeson, HR Officer, NMRC, Lee Maltings, Prospect Row, Cork, Ireland or at [cgleeson@nmrc.ie](mailto:cgleeson@nmrc.ie). For more details about this position, please visit our careers web site:

[www.nmrc.ie/careers](http://www.nmrc.ie/careers)



**MUHLENBERG  
COLLEGE**

## ECOLOGIST ASSISTANT PROFESSOR

Founded in 1848, Muhlenberg College is a highly selective, coeducational, residential college of liberal arts and sciences located in eastern Pennsylvania's picturesque Lehigh Valley, one hour north of Philadelphia and 90 minutes west of New York City. The College currently enrolls 2,100 full time day students and has enjoyed steadily increasing selectivity and student quality.

The Muhlenberg College Biology Department seeks a broadly trained ecologist who will complement existing faculty for a tenure track position at the Assistant Professor level. Teaching responsibilities include regular participation in the Introductory Biology sequence, Ecology, and advanced courses in area of expertise. Candidates should be dedicated teachers, and are expected to develop a significant field research program involving undergraduates. Ph.D. required.

Applicants should send a CV, a description of research and teaching interests, and 3 letters of recommendation to:

**Dr. Richard A. Niesenbaum**  
Chair of Ecology Search  
Biology Department  
Muhlenberg College  
Allentown, PA 18104-5586  
by November 15, 2002

Visit the Muhlenberg College Web site at [www.muhlenberg.edu](http://www.muhlenberg.edu)

EOE



**MAYO CLINIC**

### Research Scientists: Cell Adhesion — Angiogenesis Rochester, Minnesota

The Mayo Clinic Cancer Center, the Department of Medicine, and the Department of Biochemistry Molecular Biology announce openings for geneticists, and cell and molecular biologists at the Assistant, Associate, and Professor levels to study the molecular basis of cell adhesion, cell-cell contact, and angiogenesis. Qualified individuals are expected to initiate and maintain an outstanding, extramural-funded, research program in these fields as they apply to cancer or cardiovascular diseases. Requirements include evidence of an ability to obtain extramural funding and to work in a collaborative environment. Opportunities at Mayo include well-equipped core facilities, interaction with talented basic and clinical scientists with an outstanding track record in obtaining extramural federal funding, and access to a wide array of clinical material. Women and minorities are encouraged to apply.

Applicants should send a curriculum vitae and a statement of research interests by e-mail or mail to:

**Ms. Kristi Simmons**  
(Cancer Cell Biology Search)  
Mayo Clinic  
Guggenheim 1701  
200 First St. S.W.  
Rochester, MN 55905  
[simmons.kristi@mayo.edu](mailto:simmons.kristi@mayo.edu)

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

[www.cam.ac.uk/jobs/](http://www.cam.ac.uk/jobs/)

## Lectureship in Behavioural Biology

Department of Zoology

The pensionable starting salary for this post will be no greater than £22,522, rising annually to a maximum of £34,734 pa

Applications are invited for a Lectureship in Behavioural Biology to be held in the Sub-Department of Animal Behaviour in the Department of Zoology.

The post will be supported for the first eight years by the Leverhulme Trust and during this period teaching and administrative responsibilities will be low. Applicants from all areas that bring a biological approach to the behaviour of whole animals are welcome. The post will be of particular interest to those who work on vertebrates and who wish to integrate developmental and functional approaches. The prime criteria for appointment will be a demonstrated ability to carry out research of international stature and a commitment to excellence in teaching.

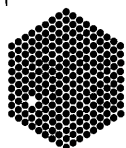
The appointment will be for five years in the first instance, with the possibility of appointment to the retiring age.

Further information about the post and an application form may be obtained from the Department of Zoology web page: (<http://www.zoo.cam.ac.uk/zoone/administration/job.html>) or from the Head of Department, Professor Malcolm Burrows, Department of Zoology, Downing Street, Cambridge CB2 3EJ. e-mail [mb135@cus.cam.ac.uk](mailto:mb135@cus.cam.ac.uk) Telephone (01223) 336601, fax (01223) 336687 to whom applications (7 copies) including a curriculum vitae, list of publications and names of not more than three referees should be sent. Closing date: 1 November 2002.



**UNIVERSITY OF  
CAMBRIDGE**

The University is committed to equality of opportunity



# EMBL

The European Molecular Biology Laboratory (EMBL), an international European Research Organisation with a Headquarters Laboratory in Heidelberg, Germany and additional Units in Grenoble, France; Monterotondo, Italy; Hinxton, England and Hamburg, Germany, is seeking applicants for a position in Heidelberg as:

## PROGRAMME COORDINATOR (ref. no. 02/78)

Since its inception the Laboratory has maintained and benefited from a strong commitment to Cell Biology and to the development and application of new methodologies for its understanding.

The Cell Biology and Biophysics Programme, located in Heidelberg, was built up under the strong leadership of Kai Simons. His successor, Eric Karsenti, refocused the Programme towards understanding Morphogenesis and Systems Biology. To allow a deeper understanding of dynamic systems at the cellular and subcellular levels it is now timely to integrate experimental and theoretical analysis with the extensive knowledge of cell components and their interactions coming from functional genomics. We therefore wish to encourage the further evolution of the Programme in the direction of integrated systems analysis. The Programme consists of 11 independent research groups and because of EMBL's turnover system the Coordinator will immediately, and in future regularly, be able to make new Group Leader appointments, thereby rapidly shaping the Programme to meet developing opportunities and challenges.

The Programme Coordinator will be a member of the collegial scientific leadership of the Laboratory. He/she will have a proven record of scientific innovation and excellence and will mentor and motivate the younger members of the programme in creative risk-taking.

**Deadline for applications: November 15, 2002**

**EMBL Web site: <http://www.embl-heidelberg.de/>**

EMBL is an inclusive, equal opportunity employer, offering attractive conditions and benefits appropriate to an international organisation.

Applicants should submit a curriculum vitae, quoting reference no. 02/78, with a description of research interests and future plans, and should arrange for three letters of recommendation to be sent to:

**The Personnel Section, EMBL, Postfach 10 22 09, D-69012 Heidelberg, Germany. Fax: +49 6221 387555.**

**email: [jobs@embl-heidelberg.de](mailto:jobs@embl-heidelberg.de)**



## CELL SIGNALING/CELL REGULATION

### Joint Hiring Initiative for Tenure-track Faculty positions Syracuse University

The Department of Biology and Chemistry at Syracuse University invite applications for three tenure-track positions to be filled by July 2003. These positions are open at all levels from Assistant Professor to Professor. Applications will be considered from individuals who have, or who show promise of developing strong and highly innovative research programs. We seek individuals who will establish competitive research programs in some aspect of cell signaling/cell regulation. For the position in Biology, we are particularly interested in individuals using a genetic-approach to address cell signaling/regulation questions in either developmental systems or micro-organisms. For the two Chemistry positions, the emphasis will be on structural and pharmacological aspects of cell signaling. Ample opportunities for research collaboration exist at Syracuse University and at our neighboring institution, the State University of New York-Upstate Medical University, whose labs are just two blocks from the Biology and Chemistry Departments. The Departments and the University place a high priority on teaching. The successful candidates will be expected to teach effectively at the undergraduate and graduate levels. The Departments of Biology and Chemistry at Syracuse University are in the early stages of significant growth, having hired six new faculty in the past two years. The two departments expect to hire 20-25 new faculty members between 2003 and 2009. The Biology and Chemistry Departments are taking an initiative to develop a strong cell signaling/regulation group that possesses the breadth of experimental approaches and expertise so necessary for research success. Specific information about individual faculty member's research programs may be found on our respective websites.

**Biology: [www-hl.syr.edu/depts/biograd/FACULTY/Faculty.html](http://www-hl.syr.edu/depts/biograd/FACULTY/Faculty.html)**

**Chemistry: [www-che.syr.edu/Faculty/Index.html](http://www-che.syr.edu/Faculty/Index.html)**

Applicants should forward a curriculum vitae, a description of past research accomplishments, a clearly focused description of his/her proposed future research goals and a statement of teaching interests. We also request that applicants have at least three letters of reference. Please include the name, address, phone number and e-mail addresses of your references. The positions will be open until filled, but to be assured your application receives full consideration, we urge that you arrange to have all necessary materials to us by October 15, 2002. **Applications and reference letters should be submitted to either: John M. Russell, Chair Biology Search Committee, Dept. of Biology, 130 College Place, Syracuse University, Syracuse, NY 13244 or Chair, Chemistry Faculty Search Committee, Department of Chemistry, 1-014 Center for Science and Technology, Syracuse University, Syracuse, NY 13244.** Syracuse University is an affirmative action/equal opportunity employer with a strong commitment to equality of opportunity and a diverse workforce.





**Assistant Professor  
Department of Cell Biology  
Harvard Medical School**

The Department of Cell Biology invites applications for a tenure track position at the rank of Assistant Professor. We seek outstanding individuals working on fundamental problems in cell and developmental biology.

Applicants should send their c.v., a 1-page summary of previous research contributions and a 1-page description of plans for future work. Applicants should arrange to have 3-5 letters of recommendation sent to the search committee.

Send all materials to:

**Faculty Search Committee  
Department of Cell Biology  
Harvard Medical School  
240 Longwood Ave  
Boston MA 02115 USA**

Review of applications begins **October 15, 2002**.  
<http://cellbio.med.harvard.edu/>

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



**Faculty Positions in  
Organic Chemistry  
University of Texas Southwestern  
Medical Center**

The Department of Biochemistry at The University of Texas Southwestern Medical Center announces the availability of tenure-track appointments for Ph.D. level scientists having expertise in methods-based and/or targets-based synthetic chemistry. U.T. Southwestern maintains state-of-the-art facilities and employs a faculty including four Nobel Laureates and fifteen members of the National Academy of Sciences. The Biochemistry Department offers a vibrant environment for interdisciplinary research, strong start-up support, and participation in graduate-level teaching. For more information, visit <http://biochemistry.swmed.edu>.

Applicants should submit a curriculum vitae, a concise description of research plans (3 page limit) and three letters of reference by **October 31, 2002** to: **Steven L. McKnight, Chair, Department of Biochemistry, U.T. Southwestern Medical Center, 5323 Harry Hines Blvd., Dallas, TX 75390-9038.**

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



**USC**

**Assistant/Associate Professor Position  
Department of Pharmaceutical Sciences**

The University of Southern California Department of Pharmaceutical Sciences (<http://www.usc.edu/hsc/pharmacy/pharmsci/index.html>) invites applications for an Assistant/Associate Professor position, tenure track or tenured. The successful candidate is expected to develop an outstanding independent research program that complements and expands existing departmental strengths in epithelial cell biology, membrane trafficking, molecular modeling, proteomics and pharmacokinetic imaging. Areas of research interest include but are not limited to pharmacokinetics and pharmacodynamics, receptor biology, pharmacogenomics and drug targeting and delivery.

The University of Southern California offers cutting-edge opportunities for multidisciplinary and translational research collaborations, including an NCI designated Comprehensive Cancer Center, an NIH sponsored Liver Center, the NIH sponsored Doheny Eye Institute, Program Projects in Biomedical Engineering including PK/PD modeling, a Pharmacogenetics Network Grant, and centers of excellence in diabetes, HIV and neurogenetics. Opportunities and resources allow easy linkage with the university-wide genomics initiative.

Candidates should send the names of three references, a curriculum vitae, and a summary of research accomplishments and future goals to: **Sarah Hamm-Alvarez, Ph. D., Chair, Pharmaceutical Sciences Search Committee, University of Southern California School of Pharmacy, 1985 Zonal Avenue, Los Angeles CA 90089-9121** or email [shalvar@usc.edu](mailto:shalvar@usc.edu). Review of applications will begin immediately, and will continue until the position is filled.

*The University of Southern California is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities, and provides reasonable accommodation to individuals with known disabilities.*



**Postdoctoral Fellowships  
In Cancer Research**

The University of Rochester James P. Wilmot Cancer Center invites applications for postdoctoral positions in a NCI supported research training program in the general areas of: **Cell Growth and Regulation, Molecular Genetics, Stem Cell Biology, and Tumor Immunology.**

**Projects include:**

- mechanisms of oncogene function
- investigation of cell cycle regulation
- growth factor and hormonal regulation of gene expression
- evasion of immune response by tumors
- disease modeling in transgenic mice
- stem cell biology
- control of DNA synthesis, and repair in cells
- pathogenesis of human tumor viruses

Please send resume and three letters of reference to: **Dr. Dennis J. McCance, Training Program, University of Rochester James P. Wilmot Cancer Center, 601 Elmwood Avenue, Box 704, Rochester, NY 14642. U.S. citizenship or permanent residency required.**

*The University of Rochester is an  
Equal Opportunity Employer.*



The newly expanded Center for Cancer Research at Children's National Medical Center in Washington, DC invites applications for an endowed position as **Associate Center Director**. Prospective applicants must have an MD or PhD and a strong record of accomplishment in laboratory-based investigation in immunology, as well as administrative experience. The successful candidate will have administrative and scientific oversight of the center's immunology programs and be expected to maintain his/her own independent research program, work closely with the Center Director to expand the research activities and increase funding within the Center, and will oversee research training and ultimately the submission of a program project in immunology or cancer immunology. The successful candidate will be appointed as a tenured associate professor/professor at the George Washington University School of Medicine.

The Center for Cancer Research is housed in the Children's Research Institute, a state-of-the-art research facility, and encompasses programs in tumor immunology, glycobiology, angiogenesis, epigenetics and gene transfer. Interested applicants should send their curriculum vitae, a summary of their research program, plans, and two letters of recommendation to:

**Stephan Ladisch, MD**  
Scientific Director  
Children's Research Institute  
111 Michigan Avenue, NW  
Washington, DC 20010



The newly expanded Center for Cancer Research announces an opportunity for the ideal candidate to join an active group in the study of cancer biology at the **assistant professor level**.

The successful candidate will possess expertise in the biology of tumor development and metastasis, related cell signaling, or molecular approaches to therapeutic intervention. He/she will develop an independent research program and participate in the training of post-doctoral fellows and graduate students in the laboratory. The Center for Cancer Research, is an integrated program in cancer biology with a strong track record of funding and extensive collaborative opportunities. Faculty of the center have an academic appointment at the George Washington University.

Candidates should possess an MD or PhD in a biological science and at least two years of laboratory experience. Experience in molecular and cellular biology and small animal models is valuable.

Interested candidates send curriculum vitae and names and addresses of two references to:

**Stephan Ladisch, MD**  
Scientific Director  
Children's Research Institute  
111 Michigan Avenue, NW  
Washington, DC 20010



The Center for Neuroscience of the Children's Research Institute (CRI) at Children's National Medical Center (CNMC) has a **junior tenure track** opening for a highly motivated developmental neuroscientist studying one or more of the following three areas: stem cells, signal transduction, and gene regulation. The recruit will join a multidisciplinary team studying neural and glial cell development with strengths in molecular analysis, electrophysiology, and time-lapse multiphoton imaging. CRI offers newly constructed lab space, excellent equipment facilities and competitive start-up support. Candidates should have strong research credentials with a substantial record of quality publications; track record of grant support is preferred. This position includes a tenure track faculty appointment at George Washington University School of Medicine.

To apply, a two-page statement of research interests and goals, CV and three letters of recommendation should be mailed to:

**Dr. Vittorio Gallo, Director**  
Center for Neuroscience Research  
Children's Research Institute  
111 Michigan Avenue, NW, Ste. 5340  
Washington, DC 20010-2970

## GLOBAL OPPORTUNITIES

**Integrated Database Group  
Japan Biological Information Research Center (JBIRC)  
National Institute of Advanced Industrial Science  
and Technology, and Japan Biological Informatics  
Consortium**

### CALL FOR POSTDOC OF BIOINFORMATICS

We call for bioinformatics postdocs who have a background of biological, medical, or information science. Expertise of bioinformatics is not mandatory if you have sufficient understandings of the fields expressed by any of the following keywords: molecular biology, biochemistry, biophysics, developmental biology, molecular evolution, information science, genome analysis, cDNA, EST, gene expression profile, proteome analysis, protein tertiary structure, systems biology, biological database, genetic engineering, comparative genomics, population genetics, anthropology, SNPs, microsatellite, genetic disorder, PC cluster, and algorithm development.

We also would like to recruit a few annotators (a.k.a. curators), who select and correct biologically important data so as to construct a database based on the knowledge of biology/bioinformatics.

**Documents to be filed:** CV (Japanese or English) including the lists of publications and oral presentations (if any); summary of past/current research project(s) (no more than 400 words); and reference(s). **Location of interview and work:** Aomi, Koto-Ku, Tokyo (New Tokyo Waterfront Subcenter); interview over the phone is possible. **Wage:** JPY 380,000/mo (or more) for Ph.D. and JPY 300,000/mo (or more) for others. **Date of appointment:** ASAP (negotiable). **Period of employment:** One fiscal year, extended yearly according to your performance.

Details at website:

[http://www.jbirc.aist.go.jp/RECRUIT/English/All\\_Frameset\\_E.html](http://www.jbirc.aist.go.jp/RECRUIT/English/All_Frameset_E.html)

For questions and application, contact to: **Tadashi Imanishi, Ph.D.**

**Integrated DB Group, Japan Biological Information Research Center,  
TIME24 Bldg. 10F, 2-45 Aomi, Koto-ku, Tokyo 135-0064, Japan  
Tel: +81-3-5531-8550; Fax: +81-3-5531-8551  
Email: [idb-hr@jbirc.aist.go.jp](mailto:idb-hr@jbirc.aist.go.jp)**

## New Research Initiative at NIH Endocrine Pancreas/Beta Cells - Tenure Track Positions

With nation-wide responsibility for improving the health and well being of all Americans, the Department of Health and Human Services oversees the biomedical research programs of the National Institutes of Health and those of NIH's research Institutes. The Diabetes Branch of the National Institutes of Diabetes, Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH) invites applications for tenure track positions for scientists interested in research involving the endocrine pancreas/beta cells of the Islets of Langerhans. Specific areas of research interest include: pancreatic islet stem/progenitor cells; beta cell development; regulation of beta cell gene expression; and beta cell signaling. Priority will be given to applicants at the Assistant Professor level at traditional universities or those finishing their post-doctoral positions. The applicant must have a proven record of accomplishments and will be expected to propose and pursue an independent research program in one of these fields. The position offers unparalleled opportunities for interdisciplinary collaboration within NIDDK and throughout NIH.

The Diabetes Branch of NIDDK is located on the main intramural campus of the NIH in Bethesda, Maryland, a suburb of Washington, D.C.

Interested applicants should send a Curriculum Vitae and list of publications, copies of three major publications, a summary of research accomplishment, a plan for future research and three letters of recommendations to Dr. Jurrien Dean, Chair, Search Committee, Laboratory of Cellular and Developmental Biology, NIDDK, Building 50, Room 3134, NIH Bethesda, MD 20892-8028

NIH and DHHS are equal opportunity employers.

Closing Date: November 15, 2002



## Faculty Positions In Cell Biology

Memorial Sloan-Kettering Cancer Center invites applications for tenure-track faculty positions at the Assistant Member level in the Cell Biology Program. Successful candidates will carry out independent research programs addressing problems in any aspect of cell biology including, but not limited to, delineation and integration of signaling networks; basis for context dependent responses to signals and drugs; mechanisms underlying the social behavior of cells. The new faculty members will join a community of cell biologists in several research programs at Memorial Sloan-Kettering Cancer Center, which offers an outstanding research environment and support infrastructure.

Interested parties should forward their Curriculum Vitae, a description of their past research accomplishments and proposed research program, selected reprints, and three letters of recommendation to: **Dr. Joan Massague, c/o Fran Berman, Box 135, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY 10021. Application deadline is November 1, 2002. EOE/AA**



**Memorial Sloan-Kettering  
Cancer Center**

*The Best Cancer Care. Anywhere.*

[www.mskcc.org](http://www.mskcc.org)

## Faculty Positions In Cellular Biochemistry & Biophysics

We seek candidates for a tenure-track faculty position in the Cellular Biochemistry & Biophysics Program. Applications are invited from candidates with an outstanding record of research achievements in structural biology. The applicant's research program may involve any area of structural biology including x-ray crystallography and NMR spectroscopy. The Program faculty includes cell biologists, biochemists and structural biologists with interest in diverse areas of biology such as intracellular transport, cell adhesion, signaling pathways in cell growth and differentiation and nucleic acid structure and function.

Applicants should submit by October 15, 2002, a curriculum vitae, a summary of research interests, and should arrange to have three letters of recommendation sent to: **Fran Berman, Cellular Biochemistry & Biophysics Program, Box 135, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY 10021. EOE/AA**



**Memorial Sloan-Kettering  
Cancer Center**

*The Best Cancer Care. Anywhere.*

[www.mskcc.org](http://www.mskcc.org)



**MAYO CLINIC**

### Research Scientist: Cardiac and Vascular Biology Rochester, Minnesota

The Department of Biochemistry and Molecular Biology, and the Division of Cardiovascular disease at Mayo Clinic Rochester have joint positions open for a junior or senior scientist with research interests in vascular or cardiac biology. The individual should have an MD or PhD and research interest in the broad field of cardiac or vascular biology as it pertains to heart failure or arteriosclerosis and thrombosis. Particular interests in cardiac development, bio-molecules that alter-regulate cardiac function, endothelial cell biology, and smooth or cardiac muscle biology are useful. Requirements include evidence of an ability to obtain extramural funding and to work in a collaborative environment with scientists, clinician-investigators and clinicians. Opportunities at Mayo include interaction with talented basic and clinical scientists with an outstanding track record in obtaining extramural federal funding, a longstanding cardiovascular training grant, and access to a wide array of clinical material and a research community. Women and minorities are encouraged to apply.

Applicants should send a curriculum vitae and a statement of research interests by e-mail or mail to:

**Ms. Kristi Simmons  
(CV Search)  
Mayo Clinic  
Guggenheim 1701  
200 First St. S.W.  
Rochester, MN 55905  
[simmons.kristi@mayo.edu](mailto:simmons.kristi@mayo.edu)**

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



University of California  
**San Diego**

### University of California, San Diego School of Medicine Professor/Associate Professor Genetics

The University of California, San Diego School of Medicine is seeking applications from outstanding individuals with a strong research program in genetics, including human genetics, genomics, and use of model systems for development and disease. Of particular interest are multigenic diseases and identification of linked modifier genes and suppressors. This individual would have a broad interest in human genetics and interact with our programs in developmental biology, in positional cloning of mammalian complex diseases and in the study of disease mechanisms in model organisms. This individual is expected to be internationally recognized in some aspect of basic genetics, and gene discovery, genetics of complex diseases or development, genomics, and/or cytogenetics. The individual will lead our genetics program including coordinating the appointment of future genetics faculty. Space will be available in the Center for Molecular Genetics.

We expect this person to qualify for a Professor appointment, although outstanding candidates that are more junior will be considered. The level of appointment will be commensurate with qualifications and experience with salary based on published UC pay scales. Closing Date for applications is October 1, 2002. To apply, send a detailed resume, copies of selected recent publications, and names and addresses of at least three references to: **Dr. Michael G. Rosenfeld, Chair, Genetics Search Committee, Department of Medicine, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92093-0648.**

*UCSD is an Equal Opportunity/Affirmative Action Employer  
committed to excellence through diversity.*



**NATIONAL INSTITUTES OF HEALTH  
NATIONAL EYE INSTITUTE**

## Job Opportunities

The National Eye Institute Intramural Program at the NIH campus, Bethesda, MD., is seeking highly qualified Postdoctoral Fellows, Research Associates and Staff Scientists in the following areas:

- **Molecular Biology**
- **Cell Biology**
- **Immunology**
- **Psychophysics**
- **Biochemistry**
- **Genetics**

Salaries range from \$30,800 to \$125,700 per annum, based on experience and type of appointment.

NEI offers an extensive benefits package that you may be eligible for, depending on the appointment mechanisms: Health Benefits, Life Insurance, Retirement Benefits, Annual and Sick Leave, Formal Training Program, Recruitment Bonus, Retention Allowance, Relocation Allowance, Loan Repayment Program, and Travel Benefits.

Candidates interested in specific job opportunities at the NEI may visit the NEI web site at <http://www.nei.nih.gov/> listing the most current positions available.

NIH/NEI is an Equal Opportunity Employer

## Work With Us.

*Archemix is a rapidly growing, privately-held biotech company based in Cambridge, MA.*

*Our mission is to discover aptamer-based therapeutics and to develop RiboReporter™-based technologies to improve the process of drug discovery and development. We take pride in attracting and retaining some of the best talent in the industry and we are now seeking experienced scientists that will apply their expertise and passion to the development of aptamers as a novel class of therapeutics. If you are interested in joining us in this effort, we encourage you to explore the following opportunities:*

### ■ Vice President, Discovery Biology

### ■ Director, Chemistry

### ■ Senior Scientists

- **Discovery Biology**
- **Pharmacology**
- **Pharmacokinetics**
- **Nucleic Acid Chemistry**

### ■ Senior Research Associates

- **Animal Pharmacology**
- **Chemistry**

Please send your resume or CV to [careers@archemix.com](mailto:careers@archemix.com) or mail us at One Hampshire St, Cambridge, MA 02139. For more information about these and other opportunities, visit our website [www.archemix.com](http://www.archemix.com).

*We are committed to driving the science of making better medicines.*

We are an Equal Opportunity Employer.

**Archemix**

## GLOBAL OPPORTUNITIES

[www.jcu.edu.au](http://www.jcu.edu.au)

## James Cook University

Offering excellence in teaching and research in a unique tropical setting James Cook University (JCU) is one of Queensland's premier Universities and ranks among the top research Universities in Australia.

JCU is a multi-campus University, with major campuses in both of the rapidly expanding regional centres of Townsville and Cairns, close to the World Heritage listed regions of the Great Barrier Reef and Wet Tropics rainforest.

Applications are now invited for the following position to join the University's senior management team.

## Executive Dean - Faculty of Science and Engineering

### Townsville

The Faculty of Science and Engineering offers undergraduate and postgraduate courses in Science, Engineering and Information Technology. The Faculty accounts for approximately two-thirds of the research performance of the University and has many scholars with internationally recognised research profiles across the pure and applied sciences and features well equipped laboratories and fieldwork facilities. There is a proud tradition of outstanding research performance, strong postgraduate programs and commitment to excellence in undergraduate teaching.

Applications are invited from suitably qualified persons with demonstrated entrepreneurial skills for appointment as Executive Dean. The appointee will have an international standing in a related discipline and demonstrated success in a position requiring academic leadership in teaching, research and management at a senior level. The appointee will provide leadership in developing the exciting range of teaching and research opportunities possible for the Faculty of Science and Engineering. As part of the senior executive of the University, the Executive Dean will be expected to contribute to the strategic planning and general management of the Faculty and the University.

This is a challenging and exciting opportunity for candidates wishing to join one of Australia's growing and most diverse Universities.

Potential applicants are encouraged to make confidential enquiries about the position to Professor Harry Hyland, Deputy Vice-Chancellor, on telephone +61 7 4781 5451, or e-mail [Harry.Hyland@jcu.edu.au](mailto:Harry.Hyland@jcu.edu.au)

**Employment Type:** The appointment will be for a fixed term of five years. At the discretion of the University, a further appointment/s may be offered. An attractive remuneration package will be offered.

**Information packages including selection criteria and application procedures may be obtained by contacting the Recruitment Officer, Human Resources, James Cook University, Townsville Qld 4811. Telephone: +61 7 4781 5012; Facsimile +61 7 4781 5644; e-mail [jcu.recruitment@jcu.edu.au](mailto:jcu.recruitment@jcu.edu.au)**

Applications close on 4 October 2002. Please quote reference number 2106.

Equal Opportunity in Employment is University Policy

The University reserves the right to invite applications or not to make an appointment

>>Always thinking ahead>>

JAMES COOK UNIVERSITY





Curis is a leader at the new frontier within biotechnology of regenerative medicine where stem cells, developmental biology and genomics are integrated into a new approach to disease. We are seeking highly motivated and dedicated individuals who want to have an impact in discovering new therapies in the major disease areas.

**Neuroscientist:** Seeking a scientist to join in the identification and development of novel therapeutics for neurological disorders using insights from developmental biology. The successful candidate will perform research related to topics such as cell survival, regeneration, and stem cell therapy. Requires Ph.D. and/or M.D. Post-doctoral experience is desirable, but candidates with a record of achievement will be considered. Experience with *in vivo* methodologies is preferred. Prior experience in the study of neuronal and glial development and function in cell culture is desirable.

**Cancer Biologists:** Seeking scientists with biotech/pharmacology experience to join an oncology group evaluating several novel compounds in preclinical studies. The successful candidate will design and perform tumor model efficacy studies including murine xenograft, metastasis, and angiogenesis experiments, analyze human biopsy material (gene/protein expression) as part of an effort to select clinical indications, conduct work of sufficient quality/rigor to merit publication in top tier journals, communicate effectively in presentations to potential partners, and exercise leadership in efforts to determine novel directions for the group (new targets, indications, animal models, etc.) Requires a Ph.D. or M.D. with 3-5 years biotechnology/pharmacology experience. A strong background in cancer biology and extensive experience designing and performing *in vivo* tumor models is required. Expertise in human/mouse pathology is desirable.

Please send your CV, including job title, to: [jobs@curis.com](mailto:jobs@curis.com) or FAX: 617.503.6501; or mail to: Human Resources, Curis, Inc., 61 Moulton Street, Cambridge, MA 02138.

Restoring health and function through regenerative medicine <http://www.curis.com>.

*Curis, Inc. is an Equal Opportunity Employer.*



## ALBERT-LUDWIGS- UNIVERSITÄT FREIBURG

The Albert-Ludwigs-University Freiburg is establishing a new interdisciplinary Center for Bioinformatics (ZfBI) with three Professorships. This Center is embedded in the university-wide research focus in the area of life sciences.

The Faculty of Applied Sciences, with its institutes of Computer Science and Microsystem Technology, invites applications for the position of a

### Full Professor (C4) in Bioinformatics

within the new Center. The prospective candidate will belong to the Institute of Computer Science and will also be an associated member in the Faculty of Biology. He/She will lead research and teaching in the field of Bioinformatics. He/She will also be in charge of implementing new courses and degrees in cooperation with other universities in the upper Rhine valley area network (EUCOR).

Applications, including a curriculum vitae, publications list and a letter stating the research interests should be sent by October 4, 2002 to the **Dean of the Faculty of Applied Sciences, University of Freiburg, D-79110 Freiburg, Germany.** <http://www.faw.uni-freiburg.de/>.

At the Faculty of Biology, within the framework of the establishment of the ZfBI, a Professorship (C3) for Experimental Bioinformatics and a third Professorship (C4) in Bioinformatics and Molecular Genetics are in the process of appointment.

The University of Freiburg aims to increase the percentage of women in research and teaching, and therefore encourages female candidates meeting the above qualifications to apply.

## THE NEW YORK BOTANICAL GARDEN

### DIRECTOR OF THE PLANT RESEARCH LABORATORY

The New York Botanical Garden is soliciting applications from outstanding candidates for the position of Director of the Plant Research Laboratory. The appointee will hold a position at the associate or full curatorial rank in the Garden's International Plant Science Center.

The successful candidate will possess a Ph.D. in Biology, and have an established research record in modern molecular and genomic approaches as applied to plant systematics and/or economic botany.

S/he will be a dynamic, collaboratively minded individual with proven skills in interdisciplinary research team building. This is especially important as the Garden engages in a number of collaborative relationships with other organizations such as The Plant Genomics Consortium of The New York Botanical Garden with Cold Spring Harbor Laboratory and New York University and the joint molecular systematics research program with the American Museum of Natural History.

The individual in this position will be responsible for representing NYBG and plant molecular biology in many venues, in government relations and to the private foundation community. In addition, the successful candidate must be a fluent and enthusiastic interpreter of plant molecular biology to a public audience.

### POST-DOCTORAL RESEARCHER

The Garden is also seeking to fill a two-year post-doctoral research position in the area of comparative plant genomics. The emphasis will be on comparative fruit development in the Rubiaceae. The successful candidate is expected to have a thorough background in plant development and to have completed the doctorate.

Applicants should send a curriculum vitae and statement of research interests, and the names and contact information for at least three references to: **Dr. Dennis Wm. Stevenson, Vice President for Botanical Science, Attn: Human Resources Department, The New York Botanical Garden, 200<sup>th</sup> Street and Kazimiroff Blvd., Bronx, New York 10458-5126, USA.** Positions open until filled; review of applications to commence on November 1, 2002.

*The New York Botanical Garden is an Equal Opportunity Employer.*



## Faculty Position Therapeutic Radiology Yale University School of Medicine

The Department of Therapeutic Radiology at Yale University School of Medicine invites applications for a tenure-track faculty position in Therapeutic Radiology at the **ASSISTANT or ASSOCIATE PROFESSOR** level. Applicants with a research interest in radiation biology who study signal transduction in response to stress, DNA damage, DNA repair, genomic instability, mutagenesis, tumor biology, metastasis, or DNA replication are encouraged to apply. Applicants should have postdoctoral experience and demonstrated research productivity. The current research interests of the department include tumor hypoxia, genomic instability, structure and function of DNA polymerase, recombination, mutagenesis, RNA processing, DNA repair, gene targeting, gene therapy, novel strategies for tumor targeting, and skin cancer. The Department of Therapeutic Radiology is a bridge department within a matrix of a broader group of investigators interested in cancer biology and DNA metabolism. A competitive startup package, access to several outstanding core facilities, and newly renovated laboratory space are available.

By October 15, 2002, please send your curriculum vitae, a brief statement of current research activities and future goals, and the names of three to five individuals who know your work to: **Search Committee Chair, Department of Therapeutic Radiology, Yale University School of Medicine, 333 Cedar Street, PO Box 208040, New Haven, CT 06520.**

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# KECK

SCHOOL OF MEDICINE **USC**

## Zilkha Neurogenetic Institute

The Zilkha Neurogenetic Institute at the Keck School of Medicine of the University of Southern California invites applications for several full-time, tenure track faculty appointments at all ranks as we begin a 5-year initiative to recruit 25 investigators in the broad area of neurogenetics. Major research foci are to include the genetics of neurological diseases and behavioral disorders, with particular emphasis on basic research such as receptor biology and physiology, gene regulation, cellular and developmental neurobiology, stem cell research and molecular epidemiology as part of the overall research plan. Appointments will be to one of several basic science or clinical departments within the Keck School of Medicine. Candidates are expected to conduct a vigorous, independently funded research program as well as to foster interdisciplinary collaboration among the basic and clinical sciences involved in the Institute.

The Zilkha Neurogenetic Institute is a newly constructed 125,000 GSF laboratory facility ([http://fmsnet.usc.edu/fms/Projects/neurogenetics\\_web\\_cam.htm](http://fmsnet.usc.edu/fms/Projects/neurogenetics_web_cam.htm)) that will be ready for occupancy by December 2002; it is supported by major funding from the W.M. Keck Foundation and other significant philanthropic sources. Individual lab modules are spacious (~2,000 sq. ft.) and open to promote interdisciplinary collaborations, and are supported by advanced technical core facilities. Start-up packages are generous.

Candidates should send (1) a curriculum vitae; (2) a brief statement of research interests and plans; and (3) names and addresses of at least three references to: **Brian E. Henderson, M.D., Chair, Neurogenetics Search Committee, Zilkha Neurogenetic Institute, Keck School of Medicine, University of Southern California, 1501 San Pablo Street, MC 9036 (KAM 302), Los Angeles, CA 90089-9036.**

Applications will be reviewed on receipt and the hiring process will continue until the full complement of positions is filled.

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### Molecular/Cell Biologist with Expertise in the Cell Cytoskeleton, University of Chicago

The Section of Pulmonary and Critical Care Medicine at the University of Chicago invites applications for a tenure-track position at the Assistant/Associate Professor level. Candidates will be expected to have PhD or MD-PhD training and expertise in the investigation of cellular responses to external stimuli and mechanisms of intracellular signaling, with special emphasis on the role of the cytoskeleton in cellular responses to external stimuli. Recruits are expected to demonstrate high promise for establishing an independently funded research program of relevance to critical illness and human airway disease. Collaboration with active investigations of cellular responses to hypoxia, asthma immunology, airway remodeling, and airway inflammation are expected.

Interested applicants should send a curriculum vitae, letter of interest with research goals, and names of three references to: **Jesse Hall MD, Section Chief, Pulmonary and Critical Care Medicine, MC 6026, University of Chicago, 5841 South Maryland Avenue, Chicago, IL 60637** (email: [jhall@medicine.uchicago.edu](mailto:jhall@medicine.uchicago.edu)).

*The University of Chicago is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and candidates with disabilities are encouraged to apply.*

## THE NATIONAL ACADEMIES

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### National Research Council

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**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](http://www.national-academies.org/rap)**

For questions or assistance, contact:

**Mail:** National Research Council, 500 5<sup>th</sup> Street NW, GR 322A  
Washington, DC 20001

**E-mail:** [rap@nas.edu](mailto:rap@nas.edu) **Tel:** 202-334-2760 **Fax:** 202-334-2759

**Application deadline — November 1, 2002**

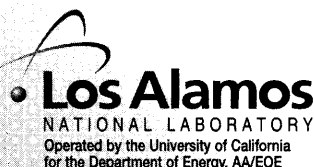
## Director - Center for Nonlinear Studies

Los Alamos National Laboratory is seeking a highly skilled candidate for the position of Center for Nonlinear Studies Director. For more than 58 years, Los Alamos has proudly served the nation, applying the best in science and technology to stockpile stewardship and other problems of global importance.

**Summary:** The Center for Nonlinear Studies (CNLS) identifies and studies nonlinear and complex problems arising in both basic and applied research, coordinates the study of these problems into interdisciplinary themes, and fosters research collaborations among Lab and external researchers. The CNLS hosts visiting scholars, post doctoral fellows, and graduate students for short and long-term visits, organizes multiple lectures, workshops and conferences on topics of scientific interest and conducts a research program in the theoretical physical, biological and mathematical sciences with strong ties to experimental activities. The Director provides scientific/technical leadership and line management of CNLS and is encouraged to maintain an active research program.

**Required Skills:** Demonstrated outstanding scientific accomplishments and publication record in one of the following disciplines: physical or biological sciences, applied mathematics, or other related scientific areas. Demonstrated success in management of personnel in a scientific organization. Successful experience establishing and maintaining research collaborations. Ability to obtain a Q clearance. PhD in a scientific or engineering field relevant to CNLS or equivalent combination of education and experience.

**For Additional Job Information:** Visit [www.lanl.gov/jobs](http://www.lanl.gov/jobs) and search for Job #202958. Please reference Science as the referral source when applying.



[www.lanl.gov/jobs](http://www.lanl.gov/jobs)

## Yale University

### Faculty Position in Behavioral or Physiological Ecology

The Department of Ecology and Evolutionary Biology at Yale University invites applications for an assistant professorship in behavioral or physiological ecology. We are interested in individuals doing research either on behavior or physiology in their evolutionary and ecological context and on the underlying mechanisms. A record of achievement and a promising research program are more important than the specific research area. The Department of Ecology and Evolutionary Biology is a new and expanding department.

Interested candidates should submit their CVs, three relevant reprints or manuscripts, a brief research and teaching statement, and the names and addresses of four potential evaluators by October 5, 2002. Send all materials to:

**Chair  
Ecology Search Committee  
Department of Ecology and  
Evolutionary Biology  
P. O. Box 208106  
Yale University  
New Haven, CT 06520-8106  
E-mail: [francine.horowitz@yale.edu](mailto:francine.horowitz@yale.edu)**

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

## Professor and Chair of Biology Harvey Mudd College

Harvey Mudd College invites applications for Chair of the Department of Biology to begin August 2003. Candidate must be eligible for appointment at the rank of Full Professor.

We seek candidates with a demonstrated commitment to undergraduate teaching, a successful research program accessible to undergraduates, a record of departmental and institutional service, strong leadership skills, and an interest in strengthening the biology program in an institution that has historically emphasized physical science and engineering. Our ideal candidate's area of specialty will include expertise in contemporary molecular techniques and will complement the department faculty specialties in developmental genetics, ecology, evolution, and plant physiology. Microbiology or neurobiology are two suitable specialties, but others will be considered. Interests that combine biology and other scientific disciplines are also highly desirable.

Harvey Mudd College, a member of the Claremont Colleges, is a small private undergraduate college of science and engineering with a select student body. Claremont is situated approximately 35 miles east of downtown Los Angeles, at the foot of the San Gabriel mountains. The Colleges are within driving distance from several other institutions of higher learning, such as Caltech, UCLA, UC Riverside, and UC Irvine. The community is known for its tree-lined streets and village charm. It is an easy drive from Claremont to the cultural attractions of the greater Los Angeles area, as well as the ocean, mountains and deserts of southern California. More information about the Biology Department can be obtained at <http://biology.hmc.edu>.

Applicants must submit: (1) a personal statement highlighting administrative experience, leadership skills and philosophy, and a vision for research and teaching in the department, (2) descriptions of teaching and research interests, (3) curriculum vitae, and (4) the names of at least three professional references. Send all materials to: **Dr. Catherine McFadden, Chair of the Search Committee, Department of Biology, Harvey Mudd College, 1250 N. Dartmouth Avenue, Claremont, CA 91711.** Review of applications will begin on November 1, 2002, and continue until the position is filled. E-mail inquiries to [Catherine\\_McFadden@HMC.Edu](mailto:Catherine_McFadden@HMC.Edu).

*Harvey Mudd College is an Equal Opportunity Employer and is committed to the recruitment of candidates historically underrepresented on college faculties.*



## CALIFORNIA INSTITUTE OF TECHNOLOGY Division of Engineering and Applied Science

*The Division of Engineering and Applied Science at the California Institute of Technology invites applications and nominations for a tenure-track faculty position at the assistant professor level in the academic program of Environmental Science and Engineering.*

The primary area of interest is Environmental Fluid Mechanics. We are seeking an individual who has an outstanding research record in fluid mechanics applied to environmental systems and who has a commitment to teaching and research in the environmental sciences. Possible research areas in environmental fluid mechanics include, but may not be limited to: hydrology, environmental transport phenomena, hydrologic transport processes (in rivers, lakes, estuaries, and groundwater), physical oceanography, atmospheric dynamics, computational fluid dynamics, multiphase flow, and sediment transport processes. Interested candidates are asked to complete the on-line application summary at:

**ENVIRONMENTAL FLUID MECHANICS**  
<http://www.eas.caltech.edu/env-fluids>

Candidates with a particular interest and research focus on fluid dynamics and a preference for experimental work or candidates with a research focus on large-scale atmosphere or ocean dynamics are informed that companion invitations for these areas are available at:

**FLUID MECHANICS**  
<http://www.galcit.caltech.edu/fluids-search>

**ATMOSPHERIC SCIENCE**  
[http://www.gps.caltech.edu/positions/pos\\_asstprof\\_atmos.html](http://www.gps.caltech.edu/positions/pos_asstprof_atmos.html)

**OCEANOGRAPHY**  
[http://www.gps.caltech.edu/positions/pos\\_asstprof\\_ocean.html](http://www.gps.caltech.edu/positions/pos_asstprof_ocean.html)

Initial appointments at the Assistant Professor level are for four years and contingent on completion of the PhD degree. Exceptionally qualified applicants at the associate or full professor level are also encouraged to apply.



CALTECH DIVISION OF ENGINEERING & APPLIED SCIENCE

*Caltech is an Equal-Opportunity/Affirmative-Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.*



UNIVERSITY OF  
CALGARY

## THE DEPARTMENT OF BIOLOGICAL SCIENCES TWO POSITIONS AVAILABLE

### POPULATION BIOLOGIST

The Department of Biological Sciences invites applications for a tenure-track position at the Assistant Professor rank in the field of Population Biology. This position is open to all population biologists with a strong research record for developing and applying fundamental concepts, especially individuals who have expertise with plants, evolutionary ecology and/or conservation biology. We are particularly interested in individuals engaged in process-oriented research who use theoretical and/or empirical approaches (preferably both). The successful candidate is expected to establish an active, externally-funded research program, and will participate in teaching at the undergraduate and graduate levels. Potential applicants are invited to visit the web site of the Department ([www.ucalgary.ca/SC/BI/](http://www.ucalgary.ca/SC/BI/)).

### EUKARYOTIC GENETICIST

The Department of Biological Sciences invites applications for a tenure-track faculty position at the Assistant or Associate Professor level. The position is available January 1, 2003. Applicants should have a strong background in the use of genetic approaches to study model eukaryotic organisms. Applicants must have a Ph.D. and at least two years post-doctoral experience and a record of quality research. The successful candidate is expected to establish an active externally-funded research program and will participate in the teaching of genetics at the introductory and advanced levels. In addition to resources provided by the University, the successful applicant may be eligible for an establishment grant from the Alberta Heritage Foundation for Medical Research. Potential applicants are invited to visit the web site of the Department ([www.ucalgary.ca/SC/BI/](http://www.ucalgary.ca/SC/BI/)).

Calgary is a dynamic city (pop. over 800,000), with a lively cultural life and many recreational opportunities. It is located only an hour from the Rocky Mountains and 80 minutes from Banff.

A complete application should include a curriculum vitae with e-mail address, a concise outline of research plans including copies of up to five publications, and a statement of teaching interests and philosophy. Candidates should arrange to have three letters of reference sent under separate cover. The deadline for receipt of a complete application package is **October 15, 2002**. Send to: Dr. David M. Reid, Head, Department of Biological Sciences, University of Calgary, 2500 University Drive NW, Calgary, Alberta T2N 1N4. FAX: (403) 289-9311.

*All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.*

*The University of Calgary respects, appreciates and encourages diversity.*

To see all our academic career opportunities, please visit [www.ucalgary.ca/hr/career](http://www.ucalgary.ca/hr/career)

[www.ucalgary.ca](http://www.ucalgary.ca)



ICRAF

## International Centre for Research in Agroforestry Recruiting a Tree Domestication Specialist

ICRAF is one of 16 Future Harvest centres supported by the Consultative Group on International Agricultural Research (CGIAR). Headquartered in Nairobi, Kenya, ICRAF works in more than 20 countries throughout Africa, Latin America, and Asia, and has an annual budget of US\$ 22 million provided by more than 35 investor organizations. ICRAF's mission is to conduct innovative research and development on agroforestry, strengthen the capacity of our partners, enhance worldwide recognition of the human and environmental benefits of agroforestry, and provide scientific leadership in the field of integrated natural resource management.

### The position

ICRAF is recruiting a Tree Domestication Specialist with a tree crop production background for the Latin America region. The position will be based at the headquarters of a sister centre in Cali, Colombia or Lima, Peru and will entail extensive travel to other regional sites. Reporting to the Director of Research, the incumbent's main responsibilities will include:

- Leading the Tree Domestication Programme in the region, and interacting with the global programme at ICRAF's headquarters and other regions;
- Supervising national professional staff at field sites in selected countries throughout the region;
- Establishing a tree crop improvement network throughout the region;
- Nurturing strong collaborative partnerships with other scientists and institutions locally and globally;
- Enhancing tree genetic conservation and the genetical composition on-farm, of priority species for the region;
- Working with farmers, extension workers, private firms, and specialized institutions to investigate the local and regional knowledge of trees and their uses;
- Writing technical, scientific and popular articles for publication;
- Organizing and leading short training courses and supervising postgraduate students;
- Organizing for workshops on policy topics such as Intellectual Property Rights of indigenous resources and knowledge, processes of tree domestication, genetic conservation and reforestation programmes; and
- Working with the private sector to promote alliances between farmers and enterprises for the commercial use of domesticated trees.

### The appropriate candidate will have:

- A PhD in a relevant specialisation of tree improvement or arboriculture coupled with ethno-botanic expertise;
- At least 5 years of research experience in tree research, the use of local ecological knowledge, and on-farm research, preferably in Latin American tropics;
- Demonstrated ability and experience in fundraising, proposal writing and research project management;
- Knowledge of applied statistics, sampling methods, modelling and common software packages dealing with experimental analyses;
- Demonstrated publication record in internationally refereed journals, and the ability to prepare technical reports and extension publications;
- Ability to work with a multidisciplinary and multicultural research team in collaborative projects;
- Willingness to travel extensively in the field under difficult conditions; and
- Fluency in English and understanding of Spanish or Portuguese languages.

### Terms of offer

ICRAF offers an internationally competitive salary and benefits package, and a collegial and gender-sensitive working environment. The contract is for a fixed term of 3 years, subject to a one-year probation period, annual assessment of performance, continued relevance of the position and available resources. Applicants are invited to send a detailed curriculum vitae, with salary details, date of birth and the names and addresses of three referees (including telephone, fax numbers and email address). All correspondence should be addressed to the Human Resources Unit, International Centre for Research in Agroforestry, P.O. Box 30677, Nairobi, Kenya; Tel +254 2 524000 or 1 650 833 6645; fax +254 2 524001 or 1 650 833 6646; email [icrafhr@cgiar.org](mailto:icrafhr@cgiar.org). Applications will be considered until September 15th, 2002 or until the position is filled. Please indicate your advertisement source in your application.

ICRAF believes that staff diversity promotes excellence, and strongly encourages applications from women and from citizens of developing countries.

We invite you to learn more about ICRAF by accessing our web site: <http://www.cgiar.org/icraf>



# Genomics

A *Science* Advertising Supplement

Issue date: 4 October 2002

Reserve ad space by: 17 September 2002

Employment opportunities in genomics await both new graduates and tenured scientists. Molecular biologists continue the work of sequencing the genomes of more organisms. Other types of life scientists can then start to convert the sequencing information into practical knowledge for use in medicine and agriculture. This supplement will outline the career options in academe and industry that genomics offers researchers in life science.

Reach over 2,000 genetics researchers by purchasing 1-day access to *Science's* Resume/CV Database for \$250.

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<sup>1</sup> *Science* June 2002 BPA Publisher's Statement.

<sup>2</sup> *Science* Harvey Research Readership surveys: 14 January 2000, 4 February 2000, 4 June 1999 (Japan) as applied to *Science* June 2002 BPA Publisher's Statement, publisher's own data.

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**R. Gaurth Hansen Assistant Professorships  
in Biochemistry  
Department of Chemistry and Biochemistry  
Utah State University**

Applications are invited for two R. Gaurth Hansen Assistant Professorships in Biochemistry in the Chemistry and Biochemistry Department at Utah State University. Qualified applicants will have a Ph.D. and postdoctoral experience in biochemistry or a related area. Successful applicants are expected to develop competitive research programs in biochemistry, with preference given to areas that complement existing strengths in the department. These positions are in honor of the late Dr. R. Gaurth Hansen, former Provost and Academic Vice President at Utah State University and are supported by his former student, Dr. William J. Rutter, co-founder and former Chairman of the Board of Chiron Corporation.

The Department of Chemistry and Biochemistry (<http://www.chem.usu.edu>) offers Ph.D. and M.S. degrees in Chemistry and in Biochemistry and several degrees at the undergraduate level. Utah State University is a land-grant institution with an enrollment of approximately 20,000 undergraduate students and 4,000 graduate students and is located in Cache Valley, 90 miles north of Salt Lake City, in the Wasatch Range of the Rocky Mountains ([www.usu.edu](http://www.usu.edu)).

The Search Committee will screen applications until the positions are filled. Applicants for the position should send a complete curriculum vitae, and the names, mailing addresses, phone numbers, and email addresses of three references to:

**R. Gaurth Hansen Search Committee  
Department of Chemistry and Biochemistry  
Utah State University  
0300 Old Main Hill  
Logan, UT 84322**

Further information about the position can be found at <http://personnel.usu.edu> and <http://www.chem.usu.edu>.

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



**Head, Department of Biology  
Texas A&M University  
College Station, Texas**

A national search is underway to identify outstanding candidates for Head of Biology at Texas A&M University, the fourth largest university in the nation with an enrollment of over 44,000 students and recently rated in the top 15 of public universities in the U.S. News and World Report ranking of doctoral universities. Our thematically diverse Department is at the research and teaching core of the fundamental life sciences at Texas A&M. The Department seeks an individual with a dynamic and internationally recognized research program, a sincere commitment to undergraduate and graduate education, and proven leadership skills.

The Department has 1,300 undergraduate majors, 90 graduate students, 33 full-time faculty members, 6 joint appointees and 7 lecturers. The University is committed to increasing the number of full-time tenured and tenure-track faculty to 40 by 2005. Departmental facilities support a wide range of molecular biological, imaging and computational technologies. Complementary expertise and specialized facilities are available through collegial interactions across campus. Further information about the Department, its faculty and its facilities can be found at our website: [www.bio.tamu.edu](http://www.bio.tamu.edu).

Applicants should send a curriculum vitae and a statement of research accomplishments, teaching perspective and administrative philosophy to:

**Chair, Head Search Advisory Committee, Department of Biology, 3258 TAMU, Texas A&M University, College Station, TX 77843-3258.** The application deadline is October 1, 2002, or until the position is filled.

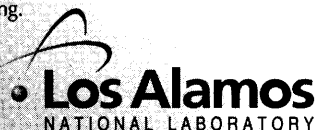
Texas A&M University is an Equal Opportunity Employer and encourages underrepresented minorities and women to apply.

## Biological Safety Officer

**Summary:** Los Alamos National Laboratory (LANL) is seeking a highly skilled candidate for the position of Biological Safety Officer. The successful candidate will: 1) develop institutional biosafety requirements and assist line organizations in their implementation; 2) assist in the development and implementation of policies and procedures for Biosafety Laboratories; 3) review hazard control plans for biological safety; 4) inspect and certify bioscience laboratories; 5) maintain an inventory of pathogens and cell lines; 6) serve as a member of the Institutional Biosafety Committee (IBC); 7) assist the chairperson of the committee with his or her duties and the implementation of the IBC decisions; 8) develop and facilitate training programs in biosafety; and 9) provide assistance to Principle Investigators and their line management in the planning and safe execution of research involving biological agents.

**Required Skills:** Demonstrated laboratory research experience and competency in microbiology, virology, mycology or infectious diseases including knowledge of human and animal pathogens and the epidemiology of laboratory-associated infections. Professional experience as a biological safety officer. Proven record of technical accomplishments, as demonstrated by publication records, awards, and other evidence in a field related to bioscience. Ability to obtain certification as a Certified Biological Safety Professional. Ability to obtain a DOE Q Clearance, which normally requires US citizenship.

**For Additional Information:** Visit [www.lanl.gov/jobs](http://www.lanl.gov/jobs) and search for Job #202505. Please reference Science as the referral source when applying.



Operated by the University of California for the National  
Nuclear Security Administration, of the US Department of Energy.  
AA/EOE

[www.lanl.gov/jobs](http://www.lanl.gov/jobs)

## Tenure/Tenure Track Faculty Position

Molecular Immunology and Inflammation Branch  
National Institute of Arthritis, Musculoskeletal  
and Skin Diseases  
National Institutes of Health

The Molecular Immunology Inflammation Branch, a newly created Branch in the Intramural Research Program at NIAMS, is recruiting to fill an independent, tenure/tenure track faculty position. Qualifications include a doctoral degree (M.D., Ph.D. or both), completion of postdoctoral training and a track record of productivity. The successful applicant should have the potential to develop an independent basic research program and may have expertise in a wide range of areas including: signal transduction, genetics, cell biology, structural biology or developmental biology as they pertain to adaptive and innate immunology or inflammation, in non-mammalian or mammalian systems. Ideally, the candidate's skills and experience would complement the existing interests in the Branch. Ample resources are available for a vigorous program and salary is commensurate with education and experience. Moreover, the Intramural Research Program provides a rich environment in which to conduct contemporary research, including the opportunity for interactions with a broad array of basic and clinical scientists and access to an established infrastructure of cutting edge technologies.

Applicants should submit a Curriculum Vitae (with publication list), a statement of current and future research interests (no longer than three pages) and arrange for three letters of reference to be sent directly to:

Dr. John O'Shea  
c/o Cyrus Salazar  
Building 31/Room 4C13  
NIAMS, DHHS  
National Institutes of Health  
31 Center Drive, MSC 2350  
Bethesda, MD 20892-2350  
Email: [salazarc@mail.nih.gov](mailto:salazarc@mail.nih.gov)



NIH Tenure track investigators with educational debts may be eligible for the NIH Loan Repayment Program. The NIH is an Equal Opportunity Employer. Applications to be post-marked by October 10, 2002.



## POSITIONS OPEN

### ASSISTANT PROFESSOR MOLECULAR BIOLOGY New Faculty Position

The Department of Biology seeks to hire a full-time, tenure-track individual with a specialty in molecular biology. Ph.D. is required. Preference is given to individuals who have experience with eukaryotic systems and who specialize in environmental or developmental areas. Candidates with a human or animal model focus are particularly desirable. This faculty member will develop one (or possibly two) upper-level laboratory courses stressing modern molecular concepts and methods as well as teach introductory-level biology. Saint Mary's College is an undergraduate women's college with a liberal arts tradition and affiliation with the Roman Catholic Church. Please send curriculum vitae; a statement of teaching and research goals; and the names and contact information (including e-mail address) of three references by December 1, 2002, to: **Dr. David M. Sever, Chair, Molecular Biology Search Committee, Department of Biology, Saint Mary's College, Notre Dame, IN 46556.** *Equal Opportunity Employer.*

### ASSISTANT RESEARCH PROFESSOR AND POSTDOCTORAL ASSOCIATES in Carcinogenesis and Prevention

Positions are available for Scientists with a strong background in molecular/cell biology or molecular pathology to study the mechanisms of carcinogenesis and its prevention in animal models, cell lines, and humans. Position and salary commensurate with experience. Supported by NIH R01 and program project grants, there are ample opportunities for multidisciplinary collaboration and the use of new approaches in genomics and proteomics. Scientists are encouraged to pursue novel ideas with new approaches and will have excellent opportunities for career development. Qualified Scientists may also develop their own research grants. Send curriculum vitae, statement of research interests, and names of three references to: **Dr. Chung S. Yang, Department of Chemical Biology, Ernest Mario School of Pharmacy, Rutgers, The State University, Piscataway, NJ 08855-8020.** E-mail: [csyang@rci.rutgers.edu](mailto:csyang@rci.rutgers.edu). *Equal Opportunity Employer.*

### JUNIOR FACULTY POSITION Division of Rheumatology Medical University of South Carolina

RESEARCH ASSISTANT PROFESSOR position is available to join a team of Researchers investigating inflammatory mediators in autoimmunity. Experience in animal models, genetics, and molecular biology is a plus. Doctoral degree and postdoctoral experience required. The individual will work on a specific project within the group with the goal of developing an independent line of research. Please contact:

**Gary S. Gilkeson, M.D.**  
Professor of Medicine, MUSC  
96 Jonathan Lucas Boulevard, Suite 912  
P.O. Box 250637  
Charleston, SC 29425  
E-mail: [gilkeson@muscc.edu](mailto:gilkeson@muscc.edu)

### ASSISTANT PROFESSOR Biology

The Department of Biology is seeking a broadly trained Plant Biologist to fill a tenure-track Assistant Professor position. We are seeking a person capable of teaching a one-semester core course in plant biology, upper-level plant courses for majors, and a course for nonmajors. Individuals with an expertise in ethnobotany are particularly encouraged to apply. All applicants should have a Ph.D. and a research program that can involve undergraduates. Please send a cover letter, curriculum vitae, statement of teaching philosophy, a statement of research interests, copies of transcripts, and three letters of reference to: **Dr. Renee D. Gourd, Chair, Department of Biology, P.O. Box 9615, Hollins University, Roanoke, VA 24020.** Review of applications will begin on October 15, 2002.

## POSITIONS OPEN

### FACULTY POSITION Evolutionary Developmental Biology Department of Biology Indiana University, Bloomington

The Department of Biology invites applications for a tenure-track ASSISTANT PROFESSOR working in evolutionary developmental biology. We seek candidates with interests and backgrounds in evolutionary and developmental biology whose research focuses on the evolution of development in any system and potentially interfacing micro- and macroevolution. This position is part of a significant expansion of IU-Bloomington's life sciences. The expansion includes construction of two major research buildings; initiation of a new NSF IGERT program in evolution, development, and genomics; establishment of the Center for Genomics and Bioinformatics; and numerous recent hirings in the areas of microbiology, biochemistry, cell and developmental biology, molecular evolution, and ecology. The successful candidate will be provided with a competitive start-up package and will be expected to establish a vigorous, externally funded research program and to participate in teaching undergraduate and graduate courses. For information about the Biology Department and for links to the campus and the Bloomington community, see website: <http://www.bio.indiana.edu>.

Candidates should send curriculum vitae, a statement of research, and representative publications, and arrange to have three (or more) letters of recommendation sent to: **Professor Rudolf Raff, Evolutionary Developmental Biology Faculty Search, Department of Biology, Indiana University, Myers Hall 150, 915 East Third Street, Bloomington, IN 47405-7107.** Review of applications will begin November 1, 2002, and will continue until suitable candidates are identified. *Indiana University is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.*

### TENURE-TRACK POSITIONS Mammalian Genomics in Nutritional Sciences

The Division of Nutritional Sciences at Cornell University invites applications for two tenure-track positions at the level of ASSISTANT PROFESSOR. The successful candidates are expected to develop extramurally funded research programs that address biological problems with a genetic and metabolic component and contribute to the Division's teaching mission. Applicants must possess an advanced degree (Ph.D., D.V.M., M.D., and/or equivalent) with postgraduate training. We seek individuals with (1) expertise in experimental mammalian genomics and interest in exploring relationships among metabolism, nutrition, development and disease. Areas of interest include nutrition and mammalian development; gene-nutrient interactions and epigenetics; and (2) expertise in human population interactions, genetics, and epidemiology and an interest in investigating gene-nutrient interactions in health and disease, the effects of single nucleotide polymorphisms on nutritional requirements, the relationships between nutrition and human genetic diversity, or other metabolic questions with nutritional implications. This faculty search will be conducted with the mammalian genomics program that bridges biological science departments on the main campus of Cornell University in Ithaca, New York, and is part of a broad university genomics initiative (see website: <http://www.genomics.cornell.edu>). Applicants should send a letter of interest, curriculum vitae, research plan, and three letters of reference to: **Search Committee Chair, Nutritional Genomics Search Committee, Division of Nutritional Sciences, 127 Savage Hall, Ithaca, NY 14853-6401.** The screening of candidates will begin immediately and continue until suitable candidates are identified. Salary will be commensurate with the successful candidate's academic credentials and experience. *Cornell University is an Affirmative Action/Equal Opportunity Employer and Educator. Women and minorities are encouraged to apply.*

## POSITIONS OPEN

### ENDOWED CHAIR FOR RESEARCH ASSOCIATE/PROFESSOR OF ANESTHESIOLOGY Department of Anesthesiology University of Missouri at Kansas City School of Medicine Midwest Research Institute

The University of Missouri—Kansas City School of Medicine, the Department of Anesthesiology, Saint Luke's Hospital, Saint Luke's Foundation, and Midwest Research Institute (MRI, a not-for-profit research institute) are seeking a full-time Neuroscientist to fill the Westport Anesthesia Services/Missouri Endowed Chair in Research. The desired candidate should have five to 10 years of experience as an independently funded Investigator (M.D./Ph.D. or Ph.D.) and a track record of success in program development. The successful candidate is expected to expand the research initiative of the Department of Anesthesiology and collaborate with the Research Scientists at MRI and the Department of Basic Medical Science (UMKC/SOM). Areas of interest could include molecular, cellular, pharmacologic, or systems neuroscience relevant to anesthesiology. The Endowed Chair will have a joint academic appointment in the Department of Anesthesiology/UMKC SOM and Midwest Research Institute. Please submit curriculum vitae with names, addresses, and telephone numbers of those individuals who are highly familiar with your work and willing to serve as references to:

**E. E. Fibuch, M.D.**  
Professor and Chairman  
Department of Anesthesiology, UMKC SOM  
Chairman, Search Committee  
Saint Luke's Hospital  
Department of Medical Education, Third Floor  
4401 Wornall Road  
Kansas City, MO 64111

*UMKC/SOM, Saint Luke's Hospital, Saint Luke's Foundation, and MRI are Affirmative Action/Equal Employment Opportunity Institutions.*

### NEUROSCIENCE: BIOLOGY AND PSYCHOLOGY (TWO)

St. Olaf College invites applications for two tenure-track Neuroscientist positions, one in the Biology Department and one in the Psychology Department. Preference will be given to applicants at the ASSISTANT PROFESSOR level but extraordinary candidates at the Associate level may be considered. Both positions begin September 2003. Applicants must have a strong interest in quality undergraduate teaching, be committed to liberal arts education, and demonstrate the potential to develop an active undergraduate research program. See website: <http://www.stolaf.edu/offices/dean-of-college/jobneuro.html> for more information. Review of completed applications will begin October 15, 2002. *A liberal arts college of the Lutheran Church (ELCA), St. Olaf College is an Affirmative Action/Equal Opportunity Employer and actively seeks diversity in its students, faculty, and staff.*

### ASSISTANT PROFESSOR OF BIOCHEMISTRY University of Washington

Applications are invited for a tenure-track position as an Assistant Professor of Biochemistry at the University of Washington School of Medicine. We seek applications from creative Scientists with strong research credentials who will focus on molecular or structural aspects of important biological problems. Our department also teaches at the undergraduate, graduate, and medical school levels. Applicants should have a Ph.D. in biochemistry, structural or molecular biology, or a related field or an M.D. Submit curriculum vitae; research prospectus; reprints and preprints; and three letters of recommendation (to be forwarded separately) by November 15, 2002, to: **Alan Weiner, Chair, Department of Biochemistry, University of Washington, Seattle, WA 98195-7350.** Telephone: 206-543-1768; FAX: 206-685-9231. *The University of Washington is an Affirmative Action/Equal Opportunity Employer.*

**Chair  
Department of Pharmaceutical Sciences  
School of Pharmacy  
University of Maryland**

The University of Maryland School of Pharmacy invites applications and nominations of outstanding leaders and researchers for the position of Chair, Department of Pharmaceutical Sciences. The successful candidate will have the ability to foster collaborative and interdisciplinary initiatives, excellent interpersonal skills, and the dedication to continue the development of a large, productive department into expanding research leadership. Candidates must be able to bring to the School an active federally funded research program and meet the criteria for appointment at the rank of tenured full professor. Experience in academic pharmacy is preferable. Candidates with research interests in related disciplines or experience in the pharmaceutical industry are encouraged to apply.

The Department of Pharmaceutical Sciences is composed of 30 full-time faculty in biomedicinal chemistry, cell and structural biology, pharmaceuticals, pharmacokinetics, and pharmacology. The Department has nearly 70 graduate students, 20 postdoctoral fellows and one of the most modern industrial manufacturing facilities in the country. The departmental research funding during 2001-2002 was nearly \$5 million in grants and contracts. The Department has been allocated 30,000 NSF of research space, in addition to its current space, in a new Health Sciences Research Facility to open in 2003. The Department has \$4.9 million equipment and furnishing funds for this new facility. The School of Pharmacy is ranked 7<sup>th</sup> in the nation and is committed to providing outstanding education for pharmacists and graduate students through its entry-level doctor of pharmacy and graduate curricula.

The University of Maryland, Baltimore (UMB) is the professional campus of the University System of Maryland; it consists of Schools of Pharmacy, Medicine, Dentistry, Nursing, Law, Social Work, and a Graduate School. The University of Maryland Medical Center, Baltimore VA Medical Center, Greenebaum Cancer Center, Institute of Human Virology and the Medical Biotechnology Institute combined with the University make UMB one of the fastest growing research centers in the country, with over \$1 billion of new building in the past decade. The University is in the Baltimore-Washington metropolitan area, close to other major research and granting agencies including NIH, NSF, biotechnology companies and the FDA.

Review of applications will begin immediately and continue until the position is filled. For information about the School see our web site at [www.pharmacy.umaryland.edu](http://www.pharmacy.umaryland.edu). Direct nominations or letters of application, curriculum vitae, and names, addresses, email addresses and telephone numbers of at least three references by electronic or U.S. mail to: **Dr. Gary H. Smith, Chair, Pharmaceutical Sciences Department Chair Search Committee, School of Pharmacy, University of Maryland, 100 Penn St., Suite 240, Baltimore, MD 21201, 410-706-7338, gsmith@rx.umaryland.edu.**

*The University of Maryland is an Equal Opportunity/Affirmative Action/ADA Employer. Minorities and women are encouraged to apply.*



**DONALD DANFORTH  
PLANT SCIENCE CENTER**

The Danforth Center, an independent research institute in St. Louis, MO, announces the opening of two positions:

An entry or mid-level principal investigator in **Computational Biology and Biochemistry**, with particular interest in modeling of proteins in metabolic and/or regulatory pathways. The successful candidate will join a growing group of structural biologists, biochemists, cell biologists, and geneticists in fundamental and applied discoveries in plant biology. The Danforth Center is located in a strong scientific community that emphasizes plant and life sciences. Opportunities exist for adjunct appointments in partnering academic institutions. Applicant should submit a curriculum vitae, selected reprints, and a description of future research to: **Ms. Kathleen Mackey, Danforth Center, 975 N. Warson Rd., St. Louis, MO 63132.**

**Senior Bioinformatics Specialist** to work as part of a multi-institutional team to sequence the maize genespace. The successful candidate will be responsible for the comparative analysis of selected strategies for gene enrichment, creation and maintenance of a web-based sequence/bioinformatics database, and the dissemination of project outcomes through scientific publications, technical reports, presentations and the project website. More than four years relevant post-graduate experience in bioinformatics, as well as a doctoral degree in statistics, bioinformatics, computational biology, genetics and/or related field are required. Applicant should send a description of experience, curriculum vitae, and three references with contact information to: **Dr. K. R. Schubert, Danforth Center, 975 N. Warson Rd., St. Louis, MO 63132.**

Compensation will be commensurate with experience and includes an excellent benefits package. For detailed descriptions of each position, please visit our website [www.danforthcenter.org](http://www.danforthcenter.org).

*EEO/AA:W/M/V/D Employer*



**MAYO CLINIC**

**POSTDOCTORAL RESEARCHER  
Laboratory Medicine and Pathology  
Rochester, Minnesota, U.S.A**

Ph.D. with considerable expertise in large-scale genomic analysis and cytogenetics needed to study the role that the common fragile sites play in gene amplification in cancer. Looking for a hard-working independent young investigator with considerable molecular biology expertise. Experience in cytogenetics is essential to characterize the common fragile sites and the regions of genomic amplification.

Salary will be determined by the successful candidate's experience. There is an attractive benefit package. Mayo Clinic is a not-for-profit organization. Mayo integrates research with clinical practice and education in a multi-campus environment. For further information please visit <http://www.mayo.edu/research/>.

Applications, including curriculum vitae and bibliography, summary of past accomplishments, and the names of three references, should be sent to:

**David I. Smith, Ph.D.  
Professor, Laboratory Medicine and Pathology  
811 Hilton  
200 First Street SW  
Rochester, MN 55905  
(507)-266-0309/(507)-266-5193  
[smith.david@mayo.edu](mailto:smith.david@mayo.edu)**

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

## POSITIONS OPEN

### TENURE-TRACK FACULTY POSITION

The Chemistry Department at California State Polytechnic University, Pomona, seeks candidates for a tenure-track biochemistry position starting September 2003. Minimum qualifications are a Ph.D. in biochemistry, chemistry, or closely related discipline. A.B.D. status at time of application acceptable. Preference may be given to applicants with demonstrated research interest in experimental protein chemistry. Rank and salary are at the **ASSISTANT PROFESSOR** level (\$45,240 to \$53,560). Under exceptional circumstances, qualified individuals might be considered for Associate Professor. The successful candidate will be expected to exhibit the potential for instruction of freshman chemistry; excellence in teaching biochemistry lecture and laboratory courses at the junior, senior, and M.S. level; leadership for the Department and university community; professional development directed toward enhancement of the experimental biochemistry program; and responsiveness to the educational equity goals of the university and its increasing ethnic diversity and international character. Applicants should submit curriculum vitae; graduate and undergraduate transcripts (unofficial acceptable for initial screening); a brief statement of their teaching philosophy and research plans; three letters of recommendation; and two additional names with telephone numbers of references no later than November 20, 2002, to: **Chair, Biochemistry Search Committee, Chemistry Department, California State Polytechnic University, 3801 West Temple Avenue, Pomona, CA 91768.** *California Polytechnic Pomona is dedicated to building a diverse and multicultural working environment and the university encourages applications from women, minorities, individuals with disabilities, and covered veterans. California Polytechnic Pomona is an Affirmative Action/Equal Opportunity Employer. A university application form will be automatically sent to all applicants and must be completed prior to final screening. Equal Opportunity/Affirmative Action Employer.*

### ASSISTANT PROFESSOR

#### Biological Chemistry

**The David Geffen School of Medicine  
University of California, Los Angeles**

The Department of Biological Chemistry is seeking applications for an Assistant Professor, tenure-track position, in any area of biochemistry or molecular, cell, and developmental biology. The successful candidate will be expected to develop a strong and creative research program and to contribute to the teaching mission of the Department.

Selection of candidates will begin on November 1, 2002, and will continue until the position is filled. Applicants should send curriculum vitae and summary of research interests and arrange for three letters of reference to be sent to:

**Dr. Larry Zipursky  
Chair, Search Committee**

**HHMI-UCLA**

**5-748 MRL**

**P. O. Box 951662**

**Los Angeles, CA 90095-1662**

*The University of California is an Equal Opportunity Employer.*

### FACULTY POSITION

#### Membrane Protein Folding and Misfolding

Applications are sought for a research-track **ASSISTANT PROFESSOR** to conduct studies of membrane protein 3-D structure, folding, and misfolding within the context of the research program of the Sanders laboratory (see laboratory website: <http://biophysics.cwru.edu/~chuck>). The central focus of this work is to establish an interface between the structural and cellular biology of membrane protein folding and misfolding. Candidates are welcome with backgrounds in structural biology, biochemistry, biophysics, cell and molecular biology, and related disciplines. Send applications to: **Professor Charles Sanders, Department of Biochemistry, Vanderbilt University Center for Structural Biology, Room 5142 MRBIII, Nashville, TN 37232-8725.** Telephone: 615-936-3756; FAX: 615-936-2211; e-mail: [chuck.sanders@vanderbilt.edu](mailto:chuck.sanders@vanderbilt.edu). *Vanderbilt is an Equal Opportunity University.*

## POSITIONS OPEN

### ASSISTANT PROFESSOR

#### Environmental Chemistry and Ecotoxicology Department of Environmental Biology

The Department of Environmental Biology at the University of Guelph invites applications for an Assistant Professor, tenure track, in the area of environmental chemistry and ecotoxicology. The successful candidate will develop and teach two undergraduate courses in the areas of natural products chemistry and application of natural products to plant biotechnology. The candidate will be expected to perform in an interdisciplinary environment with Ecotoxicologists, Microbiologists, Plant Ecologists, and Plant Protection Specialists in research and teaching to identify xenobiotic and biochemical interactions within the biotic environment to protect and enhance environmental health. The position requires a Ph.D. in biochemistry, ecotoxicology, natural products chemistry, or a related field with appropriate training and experience in at least one or more of the following areas: fate, persistence, and mechanism of action of natural products; insecticides, fungicides, herbicides, or pharmaceuticals in the environment. A good publication record and postdoctoral experience will be considered valuable for this position. A thorough knowledge of analytical methods and use of TLC, MPLC, HPLC, LC-MS, GC, GC-MS, and NMR for isolation and identification of compounds is required. Evidence of securing competitive funding from government and private sources is desirable. Salary will be commensurate with the qualifications and experience of the appointee.

Applications including curriculum vitae; university transcripts; a statement of philosophy and interest in a career of teaching and research; reprints or other evidence of academic activities; and three letters of reference should be sent by October 31, 2002, to:

**Dr. G. Otis, Acting Chair**

**Department of Environmental Biology**

**University of Guelph**

**Guelph, Ontario N1G 2W1 Canada**

**FAX: 519-837-0442;**

**e-mail: [gotis@evb.uoguelph.ca](mailto:gotis@evb.uoguelph.ca)**

The position is expected to start on January 6, 2003. *All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Guelph is committed to an Employment Equity program that includes special measures to achieve diversity among its faculty and staff. We therefore particularly encourage applications from qualified aboriginal Canadians, persons with disabilities, members of visible minorities, and women.*

### FACULTY POSITION

#### Department of Biochemistry and Molecular Biology

The Department of Biochemistry and Molecular Biology at Baylor College of Medicine invites applications for a tenure-track faculty position. We are seeking outstanding candidates in the field of development and differentiation, preferably with an emphasis on stem cell biology. The Department of Biochemistry and Molecular Biology wishes to build on its research strengths in molecular genetics, developmental biology, cell biology, signal transduction, genomics, and computational and structural biology. As part of the Texas Medical Center, Baylor is a focal point for outstanding basic research and clinical science and actively encourages interinstitutional and cross-departmental collaboration. Candidates should send their curriculum vitae; preprints and reprints of significant work; a statement of present and future research activities; and arrange to have three letters of recommendation forwarded by November 1, 2002, to:

**John H. Wilson, Ph.D.**

**Search Committee Chair**

**c/o Sylvia Ledesma**

**Department of Biochemistry, MS 357A**

**Baylor College of Medicine**

**One Baylor Plaza**

**Houston, TX 77030**

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

## POSITIONS OPEN

### FACULTY POSITION

#### Toxicology

The Department of Environmental Health, University of Washington in Seattle (website: <http://depts.washington.edu/envhlth>), seeks applicants for tenurable junior faculty appointment(s) (**ASSISTANT** or early **ASSOCIATE PROFESSOR** rank) for the Sheldon D. Murphy Chair in Toxicology and Environmental Health. Requirements include a Doctoral degree (M.D., Ph.D., D.V.M.) with at least two years of postdoctoral training in toxicology, pharmacology, or a closely related field. The successful applicant(s) will be expected to establish a strong, externally funded research program. Applicants with expertise in molecular toxicology (e.g., toxicogenomics, proteomics, metabonomics) are especially encouraged although candidates with other specialty areas in toxicology will also be considered. Strong preference will be given to candidates with interests in environmental and/or occupational health problems and studies in human populations. Teaching two or more courses in basic or advanced toxicology annually, collaborative interactions with other programs within the Department, and participation in one or more NIEHS-funded Centers at the UW will be expected. Applications should be submitted by January 1, 2003, or until the position is filled. Interested candidates should send two copies each of curriculum vitae, statement of research and teaching interests and career goals, and names of four references to: **Dr. Terrence J. Kavanagh, Chair, Toxicology Faculty Search Committee, Department of Environmental Health, University of Washington, 4225 Roosevelt Way N.E., Suite 100, Seattle, WA 98105-6099.** *The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates. Equal Opportunity Employer.*

### ASSISTANT PROFESSOR

#### BIOCHEMISTRY

**Southwest Texas State University**

The Department of Chemistry and Biochemistry invites applications for a full-time, tenure-track faculty position to complement our new undergraduate and graduate programs in biochemistry. A Ph.D. in an appropriate field is required and postdoctoral experience is preferred. Expectations include quality teaching at both the undergraduate and graduate level with the development of a successful research program benefiting undergraduate and graduate students. The position is open to all areas of biochemical research, and applicants are encouraged to investigate the many resources available in our department including the *Xiphophorus* genetic stock center. Additional information is available at our website: <http://www.swt.edu/chemistry>. To apply, submit curriculum vitae, a copy of transcripts, an outline of research plans, a statement of teaching philosophy, and the names of three references to: **Dr. Linette M. Watkins, Department of Chemistry and Biochemistry, Southwest Texas State University, San Marcos, TX 78666.** Review of applications will begin on November 1, 2002. *Southwest Texas State University is an Equal Opportunity Employer.*

The Department of Chemistry and Biochemistry, University of Maryland at College Park, invites applications for a tenure-track position in biochemistry at the **ASSISTANT PROFESSOR** level. Excellent candidates at other levels will also be considered. Candidates interested in developing outstanding research programs in the molecular mechanisms of significant biological problems are encouraged to apply. Successful candidates may participate in several campuswide programs including molecular and cell biology and computational biology. Please submit curriculum vitae, a three-to-four-page description of research plans, and arrange to have three letters of reference sent to: **Biochemistry Search Committee, Department of Chemistry and Biochemistry, University of Maryland, College Park, MD 20742-2021.** Applications should be received by November 1, 2002, for best consideration. *UMCP encourages applications from women and minorities and is an Equal Opportunity/Affirmative Action Employer.*

We are looking for creative individuals to join an interdisciplinary team developing the next-generation RNA sample preparation and analysis products. Scientists with a Ph.D. and a strong background in the areas of RNA isolation and quantification, RT-PCR, and microarray expression analysis, are especially encouraged to apply. Applicants with either molecular biology, biochemistry/chemistry backgrounds will be considered.


Ambion, Inc. offers paid medical, dental, vision, life insurance, 401(k) plan, tuition reimbursement, and profit sharing. Qualified candidates interested in these positions should fax resumes to 512-651-0201 or online at [www.ambion.com](http://www.ambion.com).

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UNIVERSITÄT BASEL

The Division of Bioinformatics of the Biozentrum and the Swiss Institute of Bioinformatics recruit two outstanding computational biologists at the level of Assistant Professors. Candidates should have a distinguished publication record in the field of Comparative Genomics, Biological Networks or Simulation of Molecular Interactions. The candidates will participate in the University of Basel's newly established Master of Science teaching program. The SIB & Biozentrum offer competitive academic salaries and endowments, full support for IT & Bioinformatics and a state of the art computing environment. Close interaction with R&D laboratories of the local pharmaceutical industry is encouraged.

Dekan der Philosophisch-Naturwissenschaftlichen Fakultät der  
Universität Basel, Klingelbergstr. 50, CH-4056 Basel, Switzerland.



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## POSITIONS OPEN

### FACULTY POSITION IN NEUROGENESIS The University of New Mexico School of Medicine

The Department of Neurosciences invites applications for a tenure-track faculty position at the ASSISTANT or ASSOCIATE PROFESSOR level. Applicants must have a Ph.D. or M.D. degree or the equivalent with postdoctoral experience. Applicants should have an independent research program or strong potential for obtaining extramural funding as evidenced by high-quality publications. Preference will be given to Neuroscientists with primary research interests in adult or embryonic neurogenesis in the mammalian CNS. Research focused on mechanisms of proliferation, survival, differentiation, or connectivity of adult-generated neurons is particularly desirable. Ongoing research within the Department of Neurosciences will support exploration into the therapeutic potential of neurogenesis in stroke, degeneration, substance abuse, and neuropsychiatric disorders. For more details on current research interests of the Department of Neurosciences, see website: <http://www.unm.edu/~neurohsc>. The selected individual should have experience or interest in participating in graduate and medical school teaching programs. The UNM Health Sciences Center has enjoyed an unprecedented increase in research funding over the past four years, enabling the development of state-of-the-art research facilities and a significant growth in the number and quality of the research programs. Opportunities exist for collaborations with faculty in other basic science and clinical departments in the Health Sciences Center (website: <http://hsc.unm.edu/som/index.html>), the Department of Psychology, the MIND institute, and Sandia and Los Alamos National Laboratories. Send signed letter of interest, curriculum vitae, reprints, and three references to: Chair, Neurogenesis Faculty Search Committee, Department of Neurosciences, University of New Mexico HSC, BMSB 145, Albuquerque, NM 87131-5223. For best consideration, applications must be received by October 25, 2002; however, position will remain open until filled. *Equal Employment Opportunity/Affirmative Action.*

### ASSISTANT PROFESSOR Santa Clara University

The Santa Clara University Biology Department invites applications for a tenure-track position at the Assistant Professor level starting September 2003. We seek someone with research interests in areas such as neurobiology, physiology, or related disciplines who can establish an active research program involving undergraduates. A Ph.D. degree with postdoctoral experience is required for this position along with a strong commitment to teaching undergraduates. Annual teaching responsibilities will include (1) a university core course for nonmajors involving hands-on laboratory experience (to be designed by the candidate), (2) an introductory course in physiology for biology majors, and (3) an upper-division course with a laboratory component in the candidate's area of expertise. The Biology Department has excellent teaching and research facilities, and start-up funds will be available for the new hire. The successful candidate will be expected to participate in the Howard Hughes Medical Institute-supported summer undergraduate research program (website: <http://www.scu.edu/hhmi>). For more information about the Biology Department and Santa Clara University (including the housing assistance program for faculty), please visit our website: <http://www.scu.edu/biology>. Applicants should send curriculum vitae, a description of their teaching experience and approach to undergraduate education, a discussion of their future research plans, and three letters of reference to: Search Committee, Biology Department, Santa Clara University, 500 El Camino Real, Santa Clara, CA 95053. We will begin reviewing applications November 1, 2002, with a final deadline of December 15, 2002, for receipt of applications. *Santa Clara University, a Jesuit institution, is an Equal/Affirmative Action Employer and welcomes applications from women, persons of color, and members of other historically underrepresented U.S. ethnic groups.*

## POSITIONS OPEN



### NORTHWESTERN UNIVERSITY Department of Physiology

The Department of Physiology at Northwestern University Feinberg School of Medicine announces a search for two new **TENURE-TRACK FACULTY MEMBERS**. Faculty rank and salary for these full-time appointments are open. Outstanding candidates employing innovative cellular and molecular approaches to understand neuronal dendritic and synaptic function are encouraged to apply. These recruitments are part of a continuing expansion in this area with the goal of creating a highly interactive group of Investigators that complement the existing group of outstanding Neuroscientists in the Department of Physiology and Northwestern University. Successful candidates holding a Ph.D. or M.D. degree are expected to establish an independently funded research program. The start date for these positions is open.

Additional information about the Department of Physiology and the Northwestern University Institute for Neurosciences can be found on our websites: <http://dept-www.physio.northwestern.edu>; <http://nuinfo.nwu.edu/nuin/>. Please send curriculum vitae, a description of research interests, and four letters of reference by November 2002 to:

**D. James Surmeier, Ph.D.**  
Chair, Department of Physiology  
Northwestern University  
Feinberg School of Medicine  
303 East Chicago Avenue M211  
Chicago, IL 60611

*Northwestern University is an Affirmative Action/Equal Opportunity Employer. Hiring is contingent upon eligibility to work in the United States. Women and minorities are especially encouraged to apply. P-114-03, P-115-03.*

**DEPARTMENT OF CHEMISTRY, DEPAUW UNIVERSITY, BIOCHEMISTRY.** The Department of Chemistry at DePauw University invites applications for tenure-track position in biochemistry to begin August 2003. Ph.D. or A.B.D. required. Postdoctoral experience or prior teaching experience desired; strong commitment to teaching and supervising research with undergraduates in liberal arts environment will receive serious consideration. Rank and salary commensurate with credentials and experience. Successful candidate will teach in department's unique introductory core, which includes introductory course in biochemistry and courses in advanced biochemistry curriculum; contribute to newly formed biochemistry major; and have opportunity to develop courses for nonmajors. Courses generally have 24 or fewer students and include laboratory instruction. DePauw has exceptional programs for supporting its faculty including generous start-up funding and pre-tenure leaves for new faculty and funding for professional and curriculum development activities (see website: <http://www.depauw.edu/admin/acadaffairs/facdev.htm>). For more information about the Department, visit website: <http://www.depauw.edu/acad/chemistry>. Selection of finalists will begin September 30, 2002, and review of applications will continue until position is filled. Submit letter of application, curriculum vitae, three letters of recommendation, transcripts, a statement of teaching interests and philosophy, professional development plans, and a statement of research interests to: Professor Jacqueline R. Roberts, Chair, Biochemistry Search Committee, Department of Chemistry, DePauw University, Greencastle, IN 46135. *DePauw University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and members of underrepresented groups.*

## POSITIONS OPEN

### ASSISTANT, ASSOCIATE, OR FULL PROFESSOR Tenure-Track Faculty Position Bacterial Pathogenesis Prokaryotic Molecular Biology Louisiana State University Health Sciences Center Shreveport, LA

The Department of Microbiology and Immunology at Louisiana State University Health Sciences Center at Shreveport invites applications for a tenure-track faculty position in the area of prokaryotic molecular biology/pathogenesis. Rank and salary are negotiable. Requirements include Ph.D., M.D., or M.D./Ph.D. and at least two years of postdoctoral research. The position involves teaching graduate and medical students, directing a nationally competitive research program, and interacting with the full-time Department faculty of 15 members. Incentives include a large seed package, multiyear technical support, large laboratory space, and considerable Department support. Faculty members with extramural research funding participate in both a generous salary supplement plan and a research incentive plan that provides flexible funds. Both the Department and the Research Core Facilities offer state-of-the-art facilities and the latest biotechnologies for research (genomics, proteomics, etc.). All teaching is team taught, and faculty members have modest teaching responsibilities.

Send curriculum vitae, statement of research goals and funding, and three letters of reference to: Dr. Dennis J. O'Callaghan, Boyd Professor and Head, Department of Microbiology and Immunology, Louisiana State University of Health Sciences Center, 1501 Kings Highway, Shreveport, LA 71130-3932. To learn more about the Department, visit our website: <http://www.sh.lsuhsu.edu/microbiology>.

*Louisiana State University Health Sciences Center is an Affirmative Action Employer.*

### ASSISTANT PROFESSOR Swine Extension and Research

The Department of Animal Science at Iowa State University seeks an Assistant Professor (12 month, tenure-track, 65% extension, 35% research) to provide leadership in swine extension and to develop a vigorous, extramurally funded research program. A Ph.D. in nutrition, reproductive physiology, animal breeding/genetics, or related biological discipline and pork industry experience is required. Demonstrated expertise in environmental management is preferred. Additional details may be found at website: <http://www.hrs.iastate.edu/jobs/jobs.html>, Faculty Vacancy Number 023402. Please submit complete résumé of education and professional experience, transcripts, and three letters of recommendation to: Dr. Susan J. Lamont, Department Head, 1221 Kildee Hall, Iowa State University, Ames, IA 50011-3150. Application deadline is November 1, 2002, or until position is filled. *Iowa State University is an Equal Opportunity/Affirmative Action Employer.*

### MOLECULAR BIOLOGIST

St. Olaf College invites applications for a tenure-track position in the Biology Department to begin September 2003. We are seeking a Molecular Biologist who would enjoy teaching genetics as well as an introductory and an advanced course. Preference will be given to applicants at the ASSISTANT PROFESSOR level but extraordinary candidates at the Associate level may be considered. Applicants must have a strong interest in quality education in a liberal arts setting as well as the potential to develop an active research program that can include undergraduates. Review of completed applications will begin 15 October 2002. Further information may be found at website: <http://www.stolaf.edu/offices/dean-of-college/jobmolecularbio.html>. *A liberal arts college of the Lutheran Church (ELCA), St. Olaf College is an Affirmative Action/Equal Opportunity Employer and actively seeks diversity in its students, faculty, and staff.*



### Faculty Position in NMR Spectroscopy University of California, Irvine

The Department of Chemistry and Department of Molecular Biology and Biochemistry are conducting a joint search for a tenure-track faculty position at the level of Assistant Professor in the area of NMR Spectroscopy of Biological Molecules. The successful candidate will be expected to establish an active research program to complement existing programs in NMR spectroscopy, macromolecular crystallography, and computational biology/chemistry. The new faculty will be housed in the recently constructed Natural Sciences building that has been specifically designed to accommodate high-field NMR instrumentation for which substantial resources have been committed. The new building will be the home for faculty from both the Departments of Chemistry and Molecular Biology and Biochemistry primarily interested in structural and chemical biology thus offering a unique interdisciplinary research environment. Irvine, situated between Los Angeles and San Diego within minutes of the Pacific Ocean, enjoys a near-perfect climate with numerous outdoor activities, parks, open spaces, a nationally renowned public school system, and access to a wide range of cultural activities. A summary of future research plans, a current curriculum vitae, and letters from at least three references should be sent to: **NMR Search, Department of Molecular Biology and Biochemistry, Box 401, University of California, Irvine, CA 92697-3900.** Applications will be reviewed starting on November 1, 2002. The recruitment will remain open until a suitable candidate has been hired. *The University of California, Irvine has an active career partner program and an NSF ADVANCE Program for Gender Equity and is an Equal Opportunity Employer committed to excellence through diversity.*

### FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY (FASEB)

#### Executive Director

Quick Leonard Kieffer is currently recruiting for a new Executive Director for the Federation of American Societies for Experimental Biology (FASEB).

Located in Bethesda, MD, FASEB is a coalition of 21 independent Member Societies representing the interests of biomedical and life scientists. The purposes of the Federation are to bring together investigators in biological and medical sciences represented by the Member Societies; to disseminate information on the results of biological research through publications and scientific meetings; and to serve in other capacities in which the Member Societies can function more efficiently as a group than as individual units.

The ED reports directly to the President/Board and is the chief administrative officer of the corporation, responsible for implementing financial, publication, advisory, public relations, educational, and other programs and policies approved by the Board. He/she provides leadership and direction to approximately 110 professional, technical, and clerical support staff, and manages an annual operating budget of \$14.9 million.

Qualified applicants should have executive/administrative experience with a record of achievement and leadership in academic, association or other non-profit organizations. The ideal candidate will be a distinguished clinician/researcher with proven administrative and leadership capabilities, excellent interpersonal skills, knowledge and understanding of the legislative process, knowledge of current trends/issues facing the biological and life sciences, and a strong sense of diplomacy. An advanced degree (M.D., Ph.D.) is highly desirable.

For additional information, please contact **Robert Kuramoto, M.D.**, or **Zack Reynolds of Quick Leonard Kieffer** by phone: 312-876-9800, or e-mail: [rkuramoto@qlksearch.com](mailto:rkuramoto@qlksearch.com), [zreynolds@qlksearch.com](mailto:zreynolds@qlksearch.com).

## MOLECULAR ONCOLOGY POSITION

*H. Lee Moffitt Cancer Center & Research Institute, a NCI designated comprehensive center, and the Department of Interdisciplinary Oncology at the University of South Florida College of Medicine are seeking candidates for an Associate/Full Professor level individual to participate in the Molecular Oncology Program. Successful candidates must possess a M.D. or Ph.D. degree and a demonstrated potential for extramural funding. We are looking for an individual with a proven consistent publication record and funding in the area of signal transduction, molecular genetics, and DNA Microarray Analysis. Preference will be given to individuals with extensive experience in the design and development of cDNA Microarray technology.*

Academic rank will be commensurate with education and scholarly experience. Appointment at the rank of Associate Professor ordinarily requires at least five years of active and sustained participation as an Assistant Professor. This may be a tenure earning position and salary is negotiable. Application review begins October 11, 2002.

Interested candidates should send curriculum vitae and a brief statement of major academic interests to **W. Michael Alberts, MD, MBA, Interim Chair Department of Interdisciplinary Oncology, H. Lee Moffitt Cancer Center & Research Institute, 12902 Magnolia Drive, Tampa, FL 33612.**

H. LEE  
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**PIONEER.**  
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Pioneer Hi-Bred International, Inc. is the world leader in the discovery, development and delivery of elite crop genetics. The following opportunities are available at our Johnston, Iowa campus. Please visit [www.pioneer.com](http://www.pioneer.com) for complete job descriptions.

**RESEARCH COORDINATOR** – This position will ensure a systematic linkage between laboratory research activities and initiatives in the Crop Genetics Research and Development division and the Research Information Management organization. The individual will provide leadership to multiple research information management projects and assist in establishing application development projects to address the IM needs of the laboratory research organization. A Ph.D. in the area of Biological Sciences or other relevant major preferred, or BS/MS degree with 6-8 years of plant research experience and proven record of leadership. (**Job Code PHI/PA122/PSC**)

**RESEARCH COORDINATOR** – An individual is needed to lead a team responsible for our insect control trait development efforts, including evaluation of transgenic insect resistant plants, development of IRM and stewardship strategies for our insect control products and support for regulatory entomology studies. This individual will also provide expert technical advice in these areas both within and outside of the company on a worldwide basis. A Ph.D. in Entomology or related discipline is required in addition to at least 6-8 years of relevant experience. (**Job Code RES/PP240/PSC**)

You **MUST** reference the Job Code(s) above in order to be considered. Please send a resume/cover letter to: **Employment Services, Pioneer, A DuPont Company, PO Box 14454, Des Moines, IA 50306-3454, or Email: [apply@pioneerjobs.com](mailto:apply@pioneerjobs.com).**

EOE

## POSITIONS OPEN

### ASSISTANT PROFESSOR

Amherst College  
Environmental or Materials Chemistry

The Amherst College Department of Chemistry (website: <http://www.amherst.edu/~chemistry/>) invites applications for a full-time, tenure-track faculty position in environmental or materials chemistry beginning in July 2003. The position requires a Ph.D. in the chemical sciences and calls for teaching at the introductory and advanced undergraduate levels. Opportunities for teaching in interdisciplinary courses and programs are also available. The successful candidate will be expected to establish a vigorous research program in which undergraduates can substantively participate. The research program can be drawn from any chemical discipline provided that it focuses either on the environment or on materials, and it can span the boundaries between chemistry and other sciences. Amherst College is a private, liberal arts institution of some 1,600 students and 165 faculty located in the Connecticut River Valley of western Massachusetts. It participates with Hampshire, Mount Holyoke, Smith Colleges, and the University of Massachusetts in the Five-College Consortium. The College enrolls students from nearly every state and from over 40 countries; greater than 30 percent of Amherst's students are students of color. Amherst became fully coeducational in 1976; at present women comprise 49 percent of its students. Applicants should submit curriculum vitae, undergraduate and graduate transcripts, a statement of teaching philosophy, and a detailed description of their research plans, and should arrange for the forwarding of three letters of reference to: **Professor David E. Hansen, Chair, Department of Chemistry, Campus Box 2243, Amherst College, Amherst, MA 01002.** Review of materials will begin October 28, 2002. *Amherst College is an Affirmative Action/Equal Opportunity Employer and encourages women, minorities, and persons with disabilities to apply.*

The Vanderbilt Institute of Chemical Biology (VICB) and the Department of Chemistry at Vanderbilt University are seeking applicants for a tenured position at the level of **ASSOCIATE PROFESSOR** or above or a tenure-track position at the level of **ASSISTANT PROFESSOR**. A goal of the VICB is to build on institutional strengths in proteomics, structural biology, and toxicology and interface with world-class centers in cancer, diabetes, and clinical pharmacology by the application of organic chemistry, e.g., bio- or synthetic organic chemistry to relevant biological problems. Individuals who bridge the chemistry-medicine interface are of particular interest. Junior candidates are expected to develop a vigorous, internationally recognized research program, whereas senior candidates will already have established such a program. Successful candidates must demonstrate a commitment to excellence in teaching in the graduate and undergraduate programs of the Department of Chemistry. Applications will be evaluated on a rolling basis and the search will continue until filled. Senior applicants should submit curriculum vitae to: **Professor Ned A. Porter, Chair of the Search Committee, Vanderbilt Institute of Chemical Biology, Department of Chemistry, 7332 Stevenson Center, Vanderbilt University, Nashville TN 37235.** Junior applicants should submit curriculum vitae and summaries of research and teaching plans. *Vanderbilt University is an Equal Employment Opportunity/Affirmative Action Employer.*

The Department of Ecology and Evolutionary Biology, Tulane University, invites applications for one tenure-track position of **ASSISTANT PROFESSOR** in tropical biology (see website: [http://www.tulane.edu/~eeob/faculty\\_search.html](http://www.tulane.edu/~eeob/faculty_search.html)). Send curriculum vitae, statements of research and teaching interests, selected publications, and names of three references to: **David C. Heins, Chair, Department of Ecology and Evolutionary Biology, 310 Dinwiddie Hall, Tulane University, New Orleans, LA 70118-5698.** Review of applications will begin October 14, 2002, and the search will remain open until the position is filled. *Tulane University is an Affirmative Action/Equal Employment Opportunity Employer.*

## POSITIONS OPEN



### ASSISTANT/ASSOCIATE PROFESSOR

Baylor College of Medicine

The Division of Cardiothoracic Surgery, Michael E. DeBakey Department of Surgery at Baylor College of Medicine, has a tenure-track faculty position available at the Assistant or Associate Professor level. The successful candidate will serve a bridging function between basic and clinical Scientists in a large research setting that focuses on the molecular mechanisms of cardiovascular diseases such as aortic aneurysms and cardiac abnormalities. The new faculty member will be expected to develop an independent grant portfolio and participate in collaborative research. Candidates must possess a Ph.D. or M.D. degree. Interested applicants should submit complete curriculum vitae, a brief description of research interests, and names and addresses (including e-mail and telephone numbers) of three references to:

**Alan P. Stolz, M.Ed.**  
Baylor College of Medicine  
One Baylor Plaza, FBRN B-452  
Houston, TX 77030  
E-mail: [astolz@bcm.tmc.edu](mailto:astolz@bcm.tmc.edu)

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

### ASSISTANT PROFESSOR

Genetics of Behavior  
New Position, California Institute of Technology

We invite applications for a tenure-track Assistant Professor appointment in the Division of Biology at the California Institute of Technology. We are seeking highly qualified candidates who are committed to a career in research and teaching. The applicant should conduct research directed at using genetic and/or molecular approaches to understand animal behavior. We encourage applications from individuals working on vertebrate or invertebrate systems. The initial appointment term is four years, and appointment is contingent upon completion of all the requirements for a Ph.D.

Applicants should submit curriculum vitae, list of publications, a brief statement of research interests and teaching experience, and arrange for three letters of recommendation to be sent to:

**Chair of Genetics of Behavior Search Committee**  
Division of Biology 216-76  
California Institute of Technology  
Pasadena, CA 91125

*The California Institute of Technology is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.*

Beloit College seeks an **ASSISTANT PROFESSOR** of Biology (tenure track) beginning fall 2003 to teach human biology (introductory majors and non-majors), neurobiology (advanced majors), comparative physiology (advanced majors), and other courses depending on area of specialty. The successful candidate will also contribute to all-college programs (e.g., first-year seminars, interdisciplinary studies, writing program, and international education). An excellent opportunity to teach in a department nationally known for innovative pedagogy. Submit cover letter, statements of teaching and research interests, curriculum vitae, transcripts, and three letters of reference to: **Ken Yasukawa, Beloit College, 700 College Street, Beloit, WI 53511** by 15 October 2002. *Beloit College is committed to cultural and ethnic diversity and urges all interested individuals to apply. Affirmative Action/Equal Opportunity Employer.*

## POSITIONS OPEN

### WETLAND ECOLOGIST

George Mason University

The Department of Environmental Science and Policy invites applications for a tenure-track **ASSISTANT PROFESSOR** in wetland ecology for fall 2003. Special consideration will be given to candidates with expertise in biogeochemistry, GIS/spatial analysis, or modeling. The successful candidate will be expected to pursue an active, externally funded research program; aspire to excellence in teaching; and engage in interdisciplinary collaboration. Teaching duties will include graduate courses in wetland ecology and related undergraduate courses. A Ph.D. is required.

The Department offers interdisciplinary M.S. and Ph.D. degrees in environmental science and policy, an M.S. degree in Earth systems science (jointly with other units), undergraduate degrees in Earth science/geology, and undergraduate and graduate certificates in environmental management. Our faculty includes Ecologists, Microbiologists, Geologists, Earth Scientists, Oceanographers, and Sociologists. Additional information on the Department and the University may be found at websites: <http://www.mason.gmu.edu/~espp> and <http://www.gmu.edu> respectively. Candidates should submit curriculum vitae, letter of intent including statements of research interests and teaching goals, and names and contact information for three references to: **Don Kelso, Search Committee Chair, Department of Environmental Science and Policy, MS 5F2, George Mason University, 4400 University Drive, Fairfax, VA 22030-4444.** E-mail: [dkelso@gmu.edu](mailto:dkelso@gmu.edu). Review of applications will begin October 15, 2002. *George Mason University is an Affirmative Action/Equal Opportunity Employer. We strongly encourage women and minority candidates to apply.*

### FACULTY POSITION

Synthetic Organic or Medicinal Chemistry  
Department of Chemistry  
McMaster University

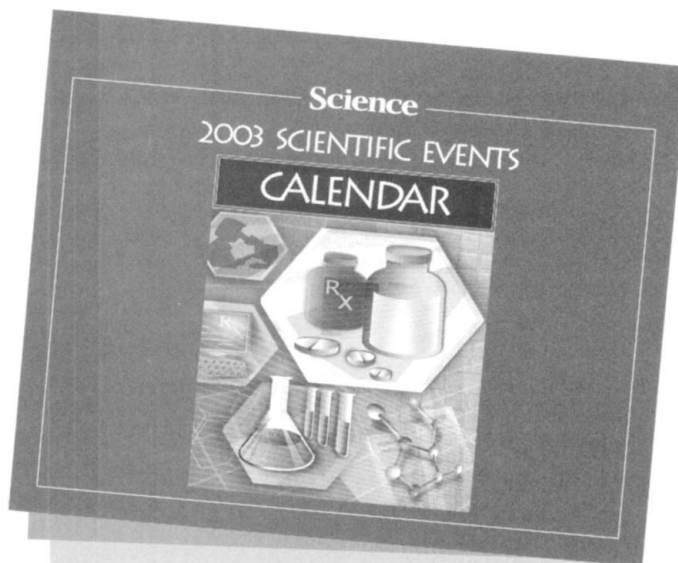
The Department of Chemistry at McMaster University invites applications for a tenure-track **ASSISTANT PROFESSOR** position in synthetic organic or medicinal chemistry. The successful candidate will hold a Ph.D. in chemistry, preferably with relevant postdoctoral experience, and will be expected to develop a strong, externally funded research program and participate fully in teaching at both the undergraduate and graduate levels. Applications including curriculum vitae; research proposal; statement of teaching interests; and letters from three references should be sent before October 31, 2002, to: **Dr. M. A. Brook, Department of Chemistry, McMaster University, Hamilton, ON L8S 4M1 Canada.** Telephone: +1 905-525-9140, Extension 23483; FAX: +1 905-522-2509.

*McMaster University is committed to Employment Equity and encourages applications from qualified men and women, members of visible minorities, aboriginal peoples, and persons with disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.*

### FACULTY POSITION IN PHYSIOLOGY

Mercer University School of Medicine invites applications for a tenure-track faculty position at the **ASSISTANT/ASSOCIATE PROFESSOR** level. Applicants should have a Ph.D. in physiology (or the equivalent) with at least two years of postdoctoral training. The successful candidate will participate as a Systems Physiologist in problem-based medical education as well as develop an independent research program. Applicants whose research is in any area of molecular, cellular, or systems physiology will be considered. Submit curriculum vitae, a summary of teaching experience, statements of teaching and research goals and objectives, and names of three references to: **Robert J. Moon, Ph.D., Chairman, Division of Basic Medical Sciences, Mercer University School of Medicine, Macon, GA 31207.** E-mail: [moon\\_rj@mercer.edu](mailto:moon_rj@mercer.edu).

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#### For full details contact:

In the U.S. Kathleen Clark  
phone ..... 202-326-6555  
fax ..... 202-289-6742  
e-mail ..... [kclark@aaas.org](mailto:kclark@aaas.org)

In Europe Richard Walters  
phone ..... +44 (0) 1223 326 500  
fax ..... +44 (0) 1223 326 532  
e-mail ..... [rwalters@science-int.co.uk](mailto:rwalters@science-int.co.uk)

**Science @**  
[www.sciencemeetings.org](http://www.sciencemeetings.org)

## POSITIONS OPEN

### FACULTY POSITIONS Department of Chemistry Boston College

Applications are invited for two tenure-track faculty positions effective September 2003. Areas of interest include but are not limited to physical, materials, analytical, organic, inorganic, and biological chemistry as well as related interdisciplinary areas. Successful applicants are expected to establish a prominent, externally funded research program and will join a department of approximately 100 Doctoral students, 25 Postdoctoral Fellows, and an internationally recognized faculty. Boston College is located in a residential community bordering Boston, Massachusetts, and within 20 minutes of the other major universities in the Boston/Cambridge area. Applicants at the beginning **ASSISTANT PROFESSOR** level should indicate their area or areas of research and their teaching interests by submitting both a detailed research plan and a brief statement of teaching interests along with their curriculum vitae and a summary of previous research accomplishments. In addition, applicants should arrange to have three letters of reference transmitted. Established Investigators should send a letter of application and appropriate supporting materials. All materials should be sent to: **Chair, Faculty Search Committee, Department of Chemistry, Boston College, Chestnut Hill, MA 02467-3860.** The application deadline is October 15, 2002. Website: <http://chemserv.bc.edu>; FAX: 617-552-2705. *Boston College, a university of 14 schools and colleges, is an Equal Opportunity Employer and supports Affirmative Action.*

### TWO FACULTY POSITIONS Molecular Biology

The Department of Biology, Skidmore College, invites applications for two tenure-track **ASSISTANT PROFESSOR** positions in molecular biology beginning fall 2003. Successful applicants will teach (between them) an intermediate laboratory course in cell and molecular biology and advanced laboratory courses that will include molecular biology, cell biology, microbiology, developmental biology, and other courses in each candidate's areas of expertise.

Applicants for both positions must have a Ph.D. in biology or a related discipline, teaching experience, demonstrated potential for independent research, and a primary interest in teaching undergraduates at a liberal arts and sciences institution; postdoctoral experience is preferred. Yearly course load for each position is composed of courses within the major and a nonmajor's laboratory science or interdisciplinary liberal studies course. Establishment of a strong research program that involves undergraduate is expected; excellent teaching and research facilities and support are available. Send curriculum vitae, statements of teaching and research interests, and three letters of recommendation to: **Department of Biology, Molecular Biology Search Committee, File Number SI, Skidmore College, 815 North Broadway, Saratoga Springs, NY 12866.** See website: <http://www.skidmore.edu/academics/biology/positions.htm>. Review of applications will begin October 14, 2002. *Skidmore College encourages applications from women and men of diverse racial, ethnic, and cultural backgrounds.*

### ACADEMIC POSITION ANNOUNCEMENTS University of California, Irvine School of Biological Sciences

Occasional openings for nonsenate academic **PROFESSIONAL RESEARCHERS, POSTGRADUATE RESEARCHERS, SPECIALISTS, and LECTURERS** in our Departments of Developmental and Cell Biology, Ecology and Evolutionary Biology, Neurobiology and Behavior, and Molecular Biology and Biochemistry are posted on our website: <http://www.bio.uci.edu>. We encourage interested applicants to check listings often. Inquiries may also be sent by FAX to: J. Swenson, School of Biological Sciences, UCI; FAX: 949-824-1334.

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

## POSITIONS OPEN

The Department of Biochemistry, Duke University Medical Center, invites applications for a faculty position at the level of **ASSISTANT PROFESSOR**. We welcome candidates in all areas of biochemistry. The candidates will be expected to establish strong, independent research programs and to participate in departmental teaching. Send résumé, summary of research interest, and three letters of reference to: **Christian R.H. Raetz, Department of Biochemistry, P.O. Box 3711, Duke University Medical Center, Durham, NC 27710.** Consideration of applications will commence in November 2002. *Duke University is an Equal Opportunity/Affirmative Action Employer.*

### FACULTY POSITIONS Department of Pharmaceutical and Biomedical Sciences College of Pharmacy The University of Georgia, Athens

The Department of Pharmaceutical and Biomedical Sciences at the University of Georgia, Athens, invites applications for two full-time, tenure-track faculty positions at the **ASSISTANT PROFESSOR** level. Applicants should have a Ph.D. or equivalent degree, have demonstrated research skills, and be able to teach in both the Pharm.D. and Ph.D. programs. The successful applicant will also be expected to develop a dynamic, extramurally funded research program, utilizing techniques in molecular and cellular biology either in an area of cancer chemotherapy or biochemical pharmacology/toxicology. Individuals with expertise in the areas of drug discovery, drug metabolism, antiviral/antimicrobial therapy, and/or mechanistic studies are strongly encouraged to apply.

Review of applications will begin on November 1, 2002. To assure full consideration, all applications must be received by this date. Interested qualified applicants should submit a letter of application, curriculum vitae, a research plan, and three letters of recommendation to: **Professor E. Will Taylor, Ph.D., Search Committee Chair, Department of Pharmaceutical and Biomedical Sciences, R.C. Wilson Pharmacy Building, University of Georgia, Athens, GA 30602-2352.** *The University of Georgia is an Equal Employment Opportunity/Affirmative Action Employer. Applications from qualified women and minority candidates are encouraged.*

### FACULTY POSITIONS DIABETES RESEARCH Vanderbilt University Medical Center

Applications are invited for full-time **TENURE-TRACK POSITIONS** at the faculty level in the Diabetes Research and Training Center. The focus of the DRTC, an NIH-designated diabetes research center, is to make discoveries in genetics, cell biology, biochemistry, structural biology, and immunology of diabetes and translate them into novel modalities for prevention, diagnosis, and treatment.

Recruitment interest areas include molecular and cellular immunology, molecular biology of islet beta stem and progenitor cells, beta cell biology, islet cell transplantation, insulin resistance, complications, genetics, and genomics of proteomics. Development of extramural funding for an independent program is expected. Candidates must have an M.D. and/or Ph.D. degree and an active research program. Individuals engaged in clinical or translational research related to diabetes are also encouraged to apply. Primary department affiliation and faculty rank will be determined by the applicant's qualifications. Applications containing curriculum vitae; statement of research goals; and three reference letters should be sent by November 1, 2002, to: **Deborah C. Brown, 702 Light Hall, Vanderbilt Medical School, Department of Molecular Physiology and Biophysics, Nashville, TN 37232-0615.**

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

## POSITIONS OPEN

### DEPARTMENT OF BIOLOGY College of Charleston Charleston, South Carolina

The Department of Biology at the College of Charleston has extended its search for **DEPARTMENT CHAIR**. We seek a person who will provide leadership in a community of productive scholars committed to excellence in teaching. The ideal candidate will have established research and grants experience, administrative experience, and demonstrated commitment to undergraduate education. The Department of Biology presently has 31 full-time faculty members on the main campus and at the Grice Marine Laboratory on Charleston harbor, representing the full range of biological disciplines. The Department has about 700 undergraduate majors and offers Bachelor's degrees in marine biology and biology with emphasis in molecular biology and teacher preparation. Additionally, the Department offers an M.S. degree in marine biology and participates in two interdisciplinary Master's programs: in environmental studies and in science and math for teachers. The College of Charleston is a public liberal arts college of about 11,000 students located in historic downtown Charleston, South Carolina. Further information is available at website: <http://www.cofc.edu/~biology>. Applicants should send a cover letter, curriculum vitae, and the names and telephone numbers of four references (at least one of whom can address the candidate's administrative skills) to: **Deanna Caveny, Chair, Biology Chair Search Committee, Department of Mathematics, College of Charleston, 66 George Street, Charleston, SC 29424.** Questions may be directed to: **Deanna Caveny; Telephone: 843-953-5731; e-mail: cavenydc@cofc.edu.** *The College of Charleston is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.*

**PHYSICAL CHEMISTRY.** The University of Michigan, Ann Arbor, seeks outstanding candidates for two anticipated faculty positions in physical chemistry, one in experimental physical chemistry and one in theoretical physical chemistry. Although the intention is to make appointments at the **FULL PROFESSOR** level, superbly qualified candidates at a more junior level will be considered. We especially encourage applicants with interests that complement the University of Michigan's strengths in biophysical chemistry, materials chemistry, and ultrafast and single-molecule spectroscopy. Candidates are expected to have internationally recognized programs of scholarly research and to demonstrate excellence in teaching at the undergraduate and graduate level. Candidates should send complete curriculum vitae including a list of publications and a summary of funding history together with a description of their research to: **Professor William R. Roush, Chairman, Department of Chemistry, University of Michigan, Ann Arbor, MI 48109-1055.** *The University is responsive to the needs of dual-career couples and is a nondiscriminatory Affirmative Action Employer.*

### FACULTY POSITION IN CHEMISTRY University of California at Berkeley Department of Chemistry

The Chemistry Department at the University of California, Berkeley, solicits applications for a faculty position as **ASSISTANT PROFESSOR** of chemistry beginning in the fall of 2003. Creative and energetic candidates who demonstrate potential for excellence in research and teaching are sought, particularly in the fields of inorganic and bioinorganic chemistry.

Applicants should send curriculum vitae and a proposed research program and arrange to have three letters of recommendation sent to: **Chair, Faculty Recruiting Committee (Number 722), Department of Chemistry, University of California, Berkeley, CA 94720-1460.** The deadline for receipt of applications is November 1, 2002; applications will be reviewed beginning September 1, 2002. *The University of California is an Equal Opportunity/Affirmative Action Employer.*



Molecular Staging Inc. (MSI) is a life science company developing a portfolio of products and services based on their advanced amplification technologies.

These technologies are transforming the detection and measurement of proteins and, combined with sophisticated bioinformatics, enable a wide range of products and services across multiple health care markets. We are located in New Haven, Connecticut near several major centers for biological research and biotechnology including the Yale University School of Medicine.

**Research Scientist - Nucleic Acid and Protein Arrays:** Working in an exciting multidisciplinary team environment, the successful candidate will apply MSI's Rolling Circle Amplification Technology (RCAT™) for the detection of nucleic acid and protein analytes. Experience in gene chip technologies, genomic and proteomics analysis methods, assay development and automation is required. Working knowledge of microarray and statistical data analysis software packages is a plus. Requires Ph.D. in molecular biology or related areas. Biotech/Pharmaceutical industry experience is preferred.

**Senior Research Scientist - Research:** As a scientist in our research group you will be responsible for basic research on Rolling Circle Amplification and DNA detection technologies to advance MSI assay platforms. Qualified candidates will have a strong background in nucleic acid enzymology and DNA amplification technologies. Requires a Ph.D. in molecular biology, genetics or a related field with at least 3 years of industry experience. Excellent analytical, written and oral communication skills are essential.

**Grant Manager:** As grant manager you will coordinate the preparation and submission of R&D grants to government and private funding agencies in accordance with the company's strategic goals. You will identify appropriate agencies and projects in communication with senior science management, scientific advisory board members and company scientists. Qualified candidates will have prior experience in grant writing and submission. A Ph.D. in the life sciences is preferred. Outstanding writing and organizational skills are essential.

Please forward your resume to: [elkep@molecularstaging.com](mailto:elkep@molecularstaging.com) or by mail to Human Resources, Molecular Staging, Inc., 300 George Street, New Haven, CT 06511. Please visit our website at [molecularstaging.com](http://molecularstaging.com). We offer a highly competitive compensation and benefits package.

*Molecular Staging, Inc. is an Equal Opportunity Employer*

## POSTDOCTORAL POSITIONS TO STUDY EARLY/LATE EVENTS IN HIV-1 REPLICATION

A Postdoctoral position is available immediately to work in one of our laboratories:

**Dr. Vinayaka R. Prasad's laboratory** seeks a fellow to carry out cutting-edge research on HIV Reverse Transcriptase function and mechanisms of drug resistance. The project is aimed at delineating the determinants of RT functions such as processivity, fidelity and enzyme translocation; development of novel aptamers directed to HIV-1 RT as well as the identification of host proteins involved in early events.

**Dr. Ganjam V. Kalpana's laboratory** is seeking an individual to conduct state-of-the-art investigations to dissect the molecular role of IN1/hSNF5 in HIV-1 replication. The projects include delineating the nuclear export properties of IN1, developing anti-HIV-1 strategies based on transdominant mutants of IN1, gene expression profiling by HIV and IN1 using microarrays.

Candidates with experience in the areas of nucleic acid biochemistry, protein chemistry, DNA/RNA polymerase Biology, Virology, Molecular Genetics should directly email their curriculum vitae and names of three references respectively to one of us [prasad@aecom.yu.edu](mailto:prasad@aecom.yu.edu) or [kalpana@aecom.yu.edu](mailto:kalpana@aecom.yu.edu). EOE

Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461.



**ALBERT EINSTEIN  
COLLEGE OF MEDICINE**

*Advancing science, building careers*

### TUFTS UNIVERSITY SCHOOL OF MEDICINE

## Assistant/Associate Professor DEPARTMENT OF PHARMACOLOGY & EXPERIMENTAL THERAPEUTICS

The Department of Pharmacology and Experimental Therapeutics seeks to fill a position of Assistant or Associate Professor (tenure track). Areas of particular research interest include pharmacogenetics, neuropharmacology, pharmacokinetics, drug metabolism, and neuropeptides. Current and ongoing extramural research funding and teaching experience are desirable.

Candidates should send a curriculum vitae and statement of current research interests and support, together with names of three references, to: **Richard I. Shader, M.D., Tufts University School of Medicine, 136 Harrison Avenue, Boston, MA 02111. AA/EOE**



**Tufts University**

### Assistant Professor of Molecular Biology

The Institute of Arctic Biology and Department of Biology and Wildlife at the University of Alaska Fairbanks seek a molecular biologist to complement research and teaching in one or more of the following areas: hibernation, cryobiology, biological rhythms, endocrinology, immunology, neurobiology, or nutrition. We seek candidates with research experience at the postdoctoral level in applying cellular and molecular techniques to investigate animal physiology. This tenure-track position is supported by an NSF-sponsored grant (Alaska EPSCoR) that provides access to core equipment, travel, student support, and seed funds. The successful candidate will be expected to develop an externally funded research program and to be effective in teaching of undergraduate students (two courses per year) and training graduate students.

Applications must include a signed applicant form ([http://www.alaska.edu/hr/employment\\_application.html](http://www.alaska.edu/hr/employment_application.html)), curriculum vitae, statements of teaching philosophy and research interests, representative reprints, and at least three letters of recommendation. Send applications to: **Molecular Biology Search, PCN# 204586 REQ# FF20458601, UAF Human Resources, P.O. Box 757860, University of Alaska Fairbanks, Fairbanks, AK 99775-7860, Fax (907)474-5859, e-mail: [fyjobs@uaf.edu](mailto:fyjobs@uaf.edu)**. Review of applications will begin on 1 September 2002; positions will remain open until filled. Further information about the University and the position is available at: <http://mercury.bio.uaf.edu/>.

*The University of Alaska is an Equal Opportunity/Affirmative Action Employer and Educational Institution.*

### Faculty Position, Cell or Developmental Biology of the mouse

#### Department of Molecular Biology and Genetics - Cornell University

The Department of Molecular Biology and Genetics seeks a tenure-track ASSISTANT PROFESSOR investigating questions of CELL OR DEVELOPMENTAL BIOLOGY using the MOUSE as a model organism. This will be the first of at least two anticipated positions for mouse biologists in this department, as part of a campus-wide expansion in mammalian biology. The successful candidate will be expected to establish a vigorous independent research program, participate in the teaching of cell or developmental biology at both graduate and undergraduate levels and contribute to departmental and university initiatives in mammalian genomics (see <http://genomics.cornell.edu>). The department includes faculty with research programs in developmental biology, cell biology, genetics, molecular biology, structural biology and biochemistry (see <http://www.mbg.cornell.edu>).

Candidates should submit a curriculum vitae, a description of research plans and arrange for three letters of recommendation to be sent to:



**Dr. Kenneth Kemphues  
Mouse cell/development  
search committee  
Department of MBG  
107 Biotechnology Bldg.  
Cornell University  
Ithaca, NY 14853**

The committee will begin reviewing applications on November 1.

*Cornell University is an Affirmative Action Equal Opportunity Employer and Educator.*

<http://www.cornell.edu>  
<http://chronicle.com/jobs/profiles/2377.htm>



## POSITIONS OPEN

### STRUCTURAL BIOCHEMISTRY FACULTY POSITION University of Notre Dame

The Department of Chemistry and Biochemistry at the University of Notre Dame is seeking to fill a regular tenure-track faculty position in the area of structural biochemistry. We are primarily interested in the area of biomolecular structure (NMR, X-ray crystallography). The anticipated starting date will be fall semester of 2003 but other starting dates can be arranged. Our department will be occupying a new addition to our research building and a new high-field NMR facility in early 2003. The position is expected to be filled at the rank of **ASSISTANT PROFESSOR** but outstanding senior candidates will also be considered. The successful candidate will have demonstrated significant research accomplishments; the potential to establish and maintain an active, independent, extramurally funded research program; and a willingness to teach new and established graduate and undergraduate courses. Beginning October 1, 2002, applications will be reviewed on a continuing basis until the position is filled. Interested candidates should submit the following materials: curriculum vitae, a list of publications, a statement of research interests/plans, and a statement of teaching goals. Candidates must also arrange for three letters of recommendation to be sent directly to the Search Committee at the following address: **Biochemistry Faculty Search Committee, University of Notre Dame, Department of Chemistry and Biochemistry, 251 Nieuwland Science Hall, Notre Dame, IN 46556-5670.** The University of Notre Dame is an Equal Opportunity/Affirmative Action Employer and actively solicits applications from women and minorities.

**ASSISTANT PROFESSOR** of medicinal chemistry. The Division of Medicinal and Natural Products Chemistry of the College of Pharmacy at the University of Texas at Austin invites applications for a tenure-track position at the Assistant Professor level to be filled by September 2003. The selected candidate will be expected to establish a vigorous research program in any area of modern medicinal or bioorganic chemistry. Teaching in the professional (Pharm.D.) program and the development of graduate courses in the area of research expertise are also expected. A Ph.D. in medicinal chemistry, chemistry, biochemistry, or the biological sciences and relevant postdoctoral experience are required. The University of Texas College of Pharmacy offers an exciting and highly visible research environment with excellent opportunities for collaboration with faculty in the Department of Chemistry and Biochemistry and the Institute for Cellular and Molecular Biology. Send curriculum vitae, a summary of research plans, and the names of three references to: **Dr. Chris Whitman, Division of Medicinal Chemistry, PHR 4.220C, College of Pharmacy, The University of Texas, Austin, TX 78712-1074.** The deadline for the receipt of applications is October 15, 2002. Applications will be reviewed until a suitable candidate is identified. *The University of Texas at Austin is an Equal Opportunity Employer. Qualified women and minorities are encouraged to apply.*

**FACULTY POSITION: BIOPHYSICAL CHEMISTRY.** Bucknell University seeks outstanding candidates for a tenure-track, entry-level position in the Department of Chemistry. Teaching will involve a physical chemistry course for biochemistry majors and other courses chosen from the following areas: general chemistry, physical chemistry, and biochemistry. The successful candidate will be expected to develop a vigorous research program involving undergraduates and Master's students. Ph.D. required; postdoctoral experience preferred. Applicants should send curriculum vitae, description of research plans, summary of teaching interests, and three letters of recommendation to: **Professor Brian Williams, Chair of the Biophysical Search Committee, Department of Chemistry, Bucknell University, Lewisburg, PA 17837** by 15 October 2002. *Bucknell University encourages applications from women and members of minority groups (Equal Employment Opportunity/Affirmative Action).*

## POSITIONS OPEN

### THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER

**ASSISTANT PROFESSORS:** The Department of Physiology invites applications from outstanding Scientists with Ph.D., M.D., or equivalent degrees for two tenure-track Assistant Professor positions. Of particular interest are candidates who will develop independent research programs in integrative biology using genetic engineering approaches to study physiological processes in tissues and whole animals. Additional areas of interest include molecular and biophysical approaches to cell physiology involving the fields of motility and the cytoskeleton in addition to transport and ion channels. However, the excellence of the successful candidates is more important than the particular area of research. These positions are part of the continuing growth of the Department at one of the country's leading academic medical centers and will be supported by significant laboratory space, competitive salaries, and exceptional start-up packages. The UT Southwestern faculty includes four Nobel Prize winners and 11 members of the National Academy of Sciences and conducts more than 2,000 research projects annually with support totaling more than \$200 million. Applicants should submit curriculum vitae, a brief statement of research plans, and arrange to have three letters of reference sent to: **James T. Stull, Ph.D., Department of Physiology, The University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75390-9040.** *UT Southwestern strongly encourages applications from women, minorities, and people with disabilities. An Affirmative Action/Equal Opportunity Employer.*

### FACULTY POSITION Eukaryotic Gene Expression

The Department of Biological Sciences, University at Buffalo, The State University of New York, invites applications for a tenure-track position at the level of **ASSISTANT PROFESSOR** starting on or after September 2003. We are seeking applications from individuals with expertise in the broad area of eukaryotic gene expression. Outstanding research facilities and a competitive setup package will be provided to the successful candidate. The successful candidate will be expected to develop an active, externally funded research program and to teach in his/her area of expertise. Candidates should have a Ph.D. and at least two years of postdoctoral experience and a scholarly publication record.

To apply, please submit curriculum vitae, a description of current and future research interests, up to three recent or in-press publications, and three reference letters to: **Gene Expression Search Committee, Department of Biological Sciences, 109 Cooke Hall, University at Buffalo, The State University of New York, Buffalo, NY 14260.** Application review will begin November 1, 2002, and continue until the position is filled. Information about the Department of Biological Sciences and the University can be viewed at **website: <http://www.biology.buffalo.edu>.** *The University at Buffalo is an Equal Opportunity Employer/Recruiter.*

### FACULTY POSITIONS Eastern Virginia Medical School

Phased recruitment is planned at **ASSISTANT to FULL PROFESSOR** levels in the biology of gametes/embryos/stem cells and reproductive genetics based in The Jones Institute for Reproductive Medicine (**website: <http://www.jonesinstitute.com>**). Excellent opportunities for basic and translational research related to fertility and infertility, contraception, and women's health based in a superior working and living environment. A Ph.D./M.D./D.V.M. and a record of scientific accomplishment are required. There is no closing date until all positions are filled. Address inquiries and applications including curriculum vitae, publications, research proposals, names of three references to: **Dr. R. G. Gosden, Scientific Director, The Jones Institute, EVMS, 601 Colley Avenue, Norfolk, VA 23507.** Telephone: 757-446-5775; FAX: 757-446-5905. *Affirmative Action/Equal Opportunity drug-free workplace.*

## POSITIONS OPEN

### ASSISTANT/ASSOCIATE PROFESSOR IN CHEMISTRY New Jersey Institute of Technology

New Jersey Institute of Technology invites applications for a tenure-track Assistant or Associate Professor to interact with a growing community of Researchers at NJIT interested in biological chemistry, analytical biochemistry, environmental chemistry, and/or molecular electronics. The successful candidate will have a Ph.D. in chemistry or biochemistry and relevant postdoctoral experience. He/she will be expected to develop an independent, externally funded research program and participate in both graduate and undergraduate teaching in the Department. Applications will be reviewed starting October 14, 2002, and the search will continue until the position is filled. The university reserves the right to substitute equivalent education and/or experience at its discretion. Send curriculum vitae, statement of research interest, and three letters of recommendation to: **New Jersey Institute of Technology, Attention: Personnel Box CandEVSC-AAP, Human Resources Department, Newark, NJ 07102-1982.**

There are abundant opportunities for academic-industrial partnerships throughout the State of New Jersey. The city of Newark, located within 20 minutes of New York City, boasts a world-class Performing Arts Center, a fine art museum, three research universities, and many fine ethnic restaurants.

*NJIT is an Equal Opportunity/Affirmative Action/Equal Access Employer.*

**BIOCHEMISTRY, ORGANIC.** The Department of Chemistry and Biochemistry at Baylor University invites applications for two positions in biochemistry at the **ASSISTANT or ASSOCIATE** level and a named **CHAIR** in organic chemistry. One biochemistry position must be in physical biochemistry. Organic may be in any area. Required qualifications: Ph.D. in chemistry or biochemistry and commitment to exemplary teaching and a vigorous, independent research program with significant external funding. Research should complement existing programs and support interdisciplinary efforts in biochemistry and drug discovery. Candidates for the Chaired position must have established research programs that are nationally recognized with a proven record of extramural support. Send letter of application, current curriculum vitae, description of research interests, estimated start-up, academic transcripts, statement of teaching philosophy, and three letters of recommendation to: **Dr. Marianna Busch, Chair, Chemistry and Biochemistry, P.O. Box 97348, Baylor University, Waco, TX 76798-7348.** E-mail: [marianna\\_busch@baylor.edu](mailto:marianna_busch@baylor.edu). Applications received by October 15, 2002, will receive full consideration; however, the search will continue until the positions are filled. *Baylor University is a Baptist University affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Opportunity Employer, Baylor encourages minorities, women, veterans, and persons with disabilities to apply.*

Stony Brook University is seeking to fill one or more new **TENURE-TRACK or TENURED POSITIONS** in the growing computational/mathematical biology group in the Department of Applied Mathematics and Statistics. Faculty research interests currently include bioinformatics, computational genomics, computational structural biology, neurobiology, and developmental genetics. Ph.D. required. For a tenured position, an established, externally funded research program is required. Applicants would be expected to participate in collaborations with experimentalists, particularly those at Brookhaven National Laboratory, Cold Spring Harbor Laboratory, or the Stony Brook Life Science Departments. Send curriculum vitae and research plan to: **James Glimm, Department of Applied Mathematics and Statistics, Stony Brook University, Stony Brook, NY 11794-3600.** Please ask three people to send references. E-mail: [glimm@ams.sunysb.edu](mailto:glimm@ams.sunysb.edu). Visit us at **website: <http://www.stonybrook.edu/cjo>.** *Stony Brook University is an Equal Opportunity Educator and Employer.*



## NUTRITIONIST

The USDA, Agricultural Research Service, National Program Staff, in Beltsville, Maryland, is seeking a National Program Leader in the following area, Human Nutrition. The position is being offered at the GS-15 level. Salary commensurate with experience (GS-15, \$92,060-\$119,682 per year). Candidates must be U.S. Citizens. The position is responsible for planning, leading, coordinating and implementing agricultural research programs relating to human nutrition and the food supply. This position has specific education and experience requirements and factors that must be addressed.

In order to ensure submission of a complete application, applicants must request a copy of the announcement by calling (301) 504-1482, or by printing it from the Internet at <http://www.ars.usda.gov>. Click on Employment with ARS and then REE Job Opportunities. The vacancy announcement number for this position is ARS-X2E-2383. This announcement closes October 15, 2002.

*USDA/ARS is an Equal Opportunity Employer and Provider.*



## THE OFFICE OF NAVAL RESEARCH

We are seeking qualified individuals to develop and manage sponsored basic/applied research and advanced technology programs/projects in the following areas:

### PROGRAM OFFICER—CONDENSED MATTER PHYSICS

Identify emerging concepts and develop integrated programs in: fundamental physics and interactions of particles in condensed phases; magnetic, electronic, optical, structural and thermal properties and their propagation in condensed matter; engineered materials and structures; and phase transitions and equilibria processes.

### PROGRAM OFFICER—ELECTRO-OPTICS, LASERS AND QUANTUM PHYSICS

Develop and manage programs in: quantum coherence and entanglement; atom interferometry; electromagnetically induced transparency; magnetometry, high energy lasers, novel photon transfer methods, and/or sub-shot noise detection.

### PROGRAM OFFICER—ENGINEER, PHYSICAL SCIENCE

Develop innovative mechanical, electromechanical, electrical, and/or optical engineering programs leading to the implementation of new physical concepts, nano- and micro-structures, and/or new materials into functional components or systems.

Program officers in these areas will have the unique opportunity to foster science and technology programs to impact future Naval interests in novel power sources and energy transfer, navigation and timekeeping, and environmentally compliant technologies, and science and technology for the future electric Navy. In addition, ONR program officers shape future Naval Forces by identifying new technology options emerging from diverse scientific communities.

A diverse, talented workforce is ONR's most important resource. We place emphasis on attracting, enabling and retaining talent. ONR considers all employees to be leaders within their area of expertise. Program officers are encouraged to enhance individual expertise through team activities. ONR offers competitive salaries, metro transit subsidy and an excellent benefits package. Our Headquarters is located in Arlington, Virginia. Intangible benefits at ONR include such amenities as convenient parking, a fitness center, and close proximity to day care, shopping, restaurants, and museums.

Positions are Federal Civil Service GS-13, 14, or 15 (\$66,229-\$119,682). To apply, view our job postings at <http://www.onr.navy.mil/hr>. For technical information contact Dr. John Pazik at (703) 696-4404.

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## The Florida State University



### College of Medicine

The newly established Department of Biomedical Sciences has state-funded, tenure-track positions available in organ systems physiology, pharmacology, anatomy, microscopic anatomy, development, biochemistry, microbiology of infectious diseases, immunology, neuroscience and pathophysiology. Preference will be given to candidates with research interests in the molecular and cellular function of the genome as it relates to the subject areas listed above. Applicants will be expected to develop strong independent research programs. Although most of the positions are at the junior faculty level, exceptionally qualified senior faculty are encouraged to apply. Research will be supported by attractive start-up packages and new facilities. Teaching assignments will be customary for medical schools and the College is specifically seeking teaching excellence in the context of an integrated medical curriculum. Applicants should have a Ph.D. or equivalent in the appropriate field and two or more years of post-doctoral experience.

Applications should include a curriculum vitae, a brief summary of research interests, a statement on teaching, and the names of three references. Applications will be reviewed starting October 1, 2002 and should be received no later than November 15, 2002. Send email application (preferred) as a Microsoft Word formatted document to: [biomed@med.fsu.edu](mailto:biomed@med.fsu.edu), or a hard copy to Faculty Search, Department of Biomedical Sciences, College of Medicine, The Florida State University, Tallahassee, FL 32306-4300.

*FSU is an Equal Opportunity Employer.*  
<http://www.fsu.edu/~medicine>



## Assistant/Associate Professor UCSF Diabetes Center

The Diabetes Center of the University of California at San Francisco is seeking to appoint a new faculty member whose research program will focus on understanding the mechanisms of diabetes and developing better ways to treat and prevent diabetic diseases. The Diabetes Center is chartered to investigate both type I and type II diabetes, as well as the development, differentiation and homeostasis of the cell types and tissues manifesting these diseases. The successful candidate is expected to have a research plan relevant to type I or II diabetes, and to be committed to active participation in the affairs of the Diabetes Center. Among the relevant research specialties are human and model system genetics, immunology, cell signaling of metabolic functions, stem cells, and developmental biology. The appointee will occupy a laboratory in the Diabetes Center at the Parnassus Heights campus of UCSF, and will be a member of the Biomedical Sciences Graduate Program and an appropriate academic department. Appointment at the Assistant or Associate Professor level will be considered.

Candidates are expected to hold a Ph.D or M.D degree, and to have demonstrated achievement in their field. The deadline for applications to be considered in a timely manner is December 1, 2002. Applicants should submit a curriculum vitae, a 1-2 page summary of research accomplishments, a 1-2 page perspective on future research plans, and reprints of major publications, and arrange to have three-five letters of recommendation forwarded to:

**Diabetes Center Faculty Search Committee**  
c/o Ms. Lily Yu  
Room HSW1053  
UCSF

513 Parnassus Avenue  
San Francisco, CA 94143-0534

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

## POSITIONS OPEN

### FACULTY POSITION

The Department of Pathology and Laboratory Medicine at MCP Hahnemann School of Medicine has several tenure-track faculty openings at the **ASSISTANT, ASSOCIATE, and FULL PROFESSOR** levels. The Department is being developed with an emphasis on understanding neoplastic processes at the molecular level. Areas of interest include but are not limited to molecular profiling, protein/DNA interactions, gene discovery, and molecular diagnostics of neoplasms related to the prediction of clinical outcome and the development of novel therapies. The Department is in renovated space in center city Philadelphia, Pennsylvania. Candidates must have an M.D. and/or Ph.D. with postdoctoral experience and record of publications. Faculty will be expected to develop an independent research program that will attract extramural funding and participate in teaching graduate and medical students. Interested candidates should submit curriculum vitae, statement of research interest, and names of three references to:

**James M. England, M.D./Ph.D.**  
Professor and Chair

Department of Pathology  
and Laboratory Medicine  
MCP Hahnemann School of Medicine  
245 North 15th Street, Mail Stop 435  
Philadelphia, PA 19102-1192  
E-mail: james.england@drexel.edu

MCP Hahnemann University is an Equal Opportunity/  
Affirmative Action Employer.

### THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER The Endowment for Scholars in Biomedical Research

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

For detailed information about currently available faculty positions, please access our website: [http://www.utswsouthwestern.edu/home\\_pages/scholars/](http://www.utswsouthwestern.edu/home_pages/scholars/). Southwestern, The University of Texas Southwestern Medical Center at Dallas.

UT Southwestern is an Equal Opportunity Institution.

California State University Fullerton, Department of Chemistry and Biochemistry, is recruiting an **ASSISTANT PROFESSOR** for a tenure-track position to begin August 2003. A Ph.D. and postdoctoral experience are required. Primary teaching responsibilities will be analytical chemistry classes at the undergraduate and Master's level with secondary responsibilities in general chemistry courses for majors and nonmajors and courses related to the candidate's specialty area. The successful candidate will be expected to establish a productive research program that involves undergraduate and Master's students in experimental analytical and/or physical chemistry. Preference will be given to candidates whose research complements current faculty interests. Review of applications will begin November 1, 2002, and continue until the position is filled. Send curriculum vitae, research plans, a summary of teaching philosophy and preferences, and arrange to have three letters of recommendation sent to: **Dr. Richard Deming, Department of Chemistry and Biochemistry, P.O. Box 6866, CSU Fullerton, Fullerton, CA 92834-6866.** See website: <http://chemsrvr2.fullerton.edu>. Affirmative Action/Equal Opportunity Employer. Women and minority candidates are particularly encouraged to apply.

## POSITIONS OPEN

The Department of Biology at Portland State University seeks a tenure-track **ASSISTANT PROFESSOR** or **ASSOCIATE PROFESSOR** in the area of genomics to start September 2003. We seek an individual who has demonstrated research experience in using genomic approaches such as genome analysis, microarray applications, or high-throughput analysis of gene function to address fundamental questions in cell biology, ecology/evolution, or physiology. Responsibilities will include teaching duties and developing a vigorous, independent, externally funded research program. The Department of Biology (website: <http://www.bio.pdx.edu>) has several research foci that encompass environmental microbiology, ecology and evolution, plant biology, and animal physiology. The university recently received a Keck Foundation award to develop *in situ* and genomic methods for studying biofilm formation at high temperatures. A Doctoral degree, postdoctoral experience, and a record of research accomplishments are job requirements. Review of applications will begin November 1, 2002, and the position will remain open until finalists are identified. Curriculum vitae, statement of research and teaching interests, and three letters of reference should be sent to: **Dr. Anna-Louise Reysenbach, Genomics Search Committee Chair, Department of Biology, Portland State University, P.O. Box 751, Portland, OR 97207-0751.** PSU is an Affirmative Action/Equal Opportunity Institution and, in keeping with the President's diversity initiative, welcomes applications from diverse candidates and candidates who support diversity.

### FACULTY POSITION

#### Medicinal and Natural Products Chemistry University of Iowa College of Pharmacy

The Division of Medicinal and Natural Products Chemistry (MNPC) invites outstanding applications for a tenure-track **ASSISTANT/ASSOCIATE PROFESSOR** position. Applicants must have a Ph.D. in medicinal chemistry, chemistry, biochemistry, or biological sciences and relevant postdoctoral experience. The new position offers a competitive start-up package and salary with expectation of establishing an independent research program and teaching in the graduate and professional programs. Applicants with research interests in medicinal chemistry, chemical biology, pharmaceutical biotechnology, or computational medicinal chemistry are encouraged to apply. Information about MNP may be found at website: <http://www.uiowa.edu/~mnp/par/>. Applicants should submit curriculum vitae; a concise description of their proposed research; and a list of three references to: **Professor Kevin G. Rice, Chair, Search Committee, Division of Medicinal and Natural Products Chemistry, College of Pharmacy, University of Iowa, Iowa City, IA 52242** by October 15, 2002. The University of Iowa is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

**Ph.D. BIOINFORMATICS SCIENTIST:** Procter & Gamble has entry-level positions for highly motivated Bioinformaticists to create and apply new software applications for the development of pharmaceuticals and consumer products. As a member of our Corporate Biotechnology research group, candidates also must be able to serve as a technical resource to Scientists in many of our other technology divisions. Candidates must have a Ph.D. in molecular biology, biological science, biochemistry, or a related field as well as an advanced degree in information technology. A minimum of two years of experience in using computational tools to analyze gene and protein databases; proficiency in data structure and algorithm development; proven expertise in relational database design; and management experience with Web programming (e.g., CGI, JSP/Servlet) and very strong programming abilities (e.g., C/C++, JAVA, PERL) on both UNIX/LINUX- and NTX-based platforms are required. Candidates also must have strong interpersonal and communication skills. Apply online at website: <http://www.pg.com/jobs/sectionmain.jhtml> and refer to Job RD00000063. Procter & Gamble is an Equal Opportunity Employer.

## POSITIONS OPEN

Tufts University, Department of Chemistry, is seeking to expand its faculty with a tenure-track appointment at the **ASSISTANT PROFESSOR** level. Preference will be given to faculty whose research involves one of the following areas of molecular science: biologically related chemistry, nanoscale materials, bioinformatics (emphasizing molecular science), or large-system computational chemistry (modeling or simulation). Preference will be given to those just beginning their professional career and whose research complements the Department's strengths. The successful candidate will join an active Ph.D.-granting department and will demonstrate the potential to develop an outstanding, internationally recognized research program and to excel in teaching. Teaching responsibilities include graduate courses in the candidate's discipline as well as undergraduate courses in chemistry. A Ph.D. in chemistry is required. Postdoctoral experience is desirable. Additional information about the Department may be found at website: <http://www.chem.tufts.edu>. Send curriculum vitae, a research plan, and three letters of recommendation to: **Faculty Search Committee, Department of Chemistry, Tufts University, Medford, MA 02155.** Evaluation of candidates will begin October 14, 2002, and continue until the position is filled. Tufts is an Affirmative Action/Equal Opportunity Employer. We are committed to increasing the diversity of our faculty. Applications from women and members of underrepresented groups are strongly encouraged.

### FACULTY POSITION

#### Health Policy and Politics School of Public Health University of California, Berkeley

The School of Public Health at the University of California, Berkeley, plans to appoint an **ASSISTANT PROFESSOR** (tenure track) in health policy and politics for fall 2003. We particularly encourage candidates with research interests in environmental health policy to apply. Duties include developing an original research program, teaching graduate-level courses in health policy and politics, and mentoring Doctoral students. Candidates should have a Ph.D. in political science, public policy, or related field. We must receive applications and related materials by December 13, 2002. Send a letter of interest; curriculum vitae; and the names, addresses, and telephone numbers of three references to:

**Ralph Catalano, Ph.D.**  
Professor of Public Health  
School of Public Health  
University of California, Berkeley  
Berkeley, CA 94720-7360

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

### FACULTY POSITIONS Molecular and Cellular Biophysics and Chemical Biology The University of Chicago

The Department of Biochemistry and Molecular Biology at the University of Chicago invites applications and nominations for tenure-track faculty positions at any rank. We seek candidates who have or will establish outstanding programs engaging fundamental problems at the interface of the biological and physical sciences and who will value teaching in the departmental program. Opportunities are available for association with the Argonne National Laboratory as well as with a new Interdivisional Research Institute linking faculty in the Biological and Physical Sciences Divisions. Applications should include curriculum vitae, list of publications, summary of past research, plan for future research, and letters of reference from three or more Scientists. Please submit completed applications or nominations by November 15, 2002, to: **Faculty Search Committee, Department of Biochemistry and Molecular Biology, The University of Chicago, 920 East 58th Street, Chicago, IL 60637.** The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

## CHAIR, DEPARTMENT OF PATHOLOGY

Case Western Reserve University School of Medicine seeks an outstanding investigator to chair its Department of Pathology. The successful applicant will be expected to maintain and expand upon our well-funded and highly productive group of collegial investigators committed to excellence in research and all levels of teaching.

The Department of Pathology is constituted as a basic science department focussed on research and education. This Department is complemented by various activities and pathology faculties at the University's affiliated hospitals. Examples of these activities include shared facilities, joint teaching at all levels, and collaborations in basic and translational research.

Qualifications to merit appointment at the rank of Professor and an excellent record of scientific publication and productivity are expected. Documented leadership skill, mentorship, and administrative experience are preferred characteristics for this position.

Please submit letters of application with a current and complete Curriculum Vitae to: **Search Committee for Pathology Chair, c/o Dr. Lloyd A. Culp, Department of Molecular Biology and Microbiology, Case Western Reserve University, School of Medicine, Cleveland, OH 44106-4960; Email: lac7@po.cwru.edu.**

*Case Western Reserve University is an Affirmative Action/Equal Opportunity Employer. Qualified women and minority group members are encouraged to apply.*

## Telford Institute of Environmental Systems

# Postdoctoral Research Fellow

## Assimilation of Doppler Weather Radar Data into a Numerical Weather Prediction Model

**£17,626 per annum**

You will take the quality control, background error structure and other elements of the Four Dimensional Variational Analysis (4DVAR) - a scheme currently being developed by the Met. Office for the limited area version of their operational numerical weather forecasting model, whose code system should be available within the next 12 months, and investigate how best to assimilate Doppler weather radar data into the numerical model. You will work within the scientific framework provided by the NERC Universities Weather Research Network (UWERN), which is a component part of the NERC Centres for Atmospheric Research (NCAS). A post-doctoral scientist having a first degree in physics, mathematics or meteorology and a PhD in one of these subject areas, you will be based at the University of Salford, Greater Manchester, under the supervision of Professor Chris Collier, but will be expected to spend significant amounts of time at the University of Reading under the joint supervision of Dr Ian Roulstone of the Met. Office within the joint Centre for Mesoscale Meteorology. Some knowledge of data assimilation and/or radar meteorology would be advantageous. This is a fixed term appointment for 2.5 years.

Further information may be obtained in the first instance from Professor Chris Collier, School of Environment and Life Sciences, The University of Salford, Salford M5 4WT. Telephone: +44 (0) 161 295 5465. Fax: +44 (0) 161 295 4382. E-mail: [c.g.collier@salford.ac.uk](mailto:c.g.collier@salford.ac.uk)

For further details and an application form please call +44 (0) 161 295 2122 (24hrs) or e-mail [personnel@salford.ac.uk](mailto:personnel@salford.ac.uk) quoting reference number TIES/2. CVs will not be accepted without a completed application form. Forms to be returned by 30 September 2002.



GREATER MANCHESTER UNIVERSITY

## THE UNIVERSITY OF CALIFORNIA AT BERKELEY Department of Molecular and Cell Biology Faculty Positions in Cell Biology

The Department of Molecular and Cell Biology is seeking applications for two tenure-track faculty positions in cell biology. For one of the positions, candidates at the senior (tenured) level may be considered. Appointments are subject to budgetary approval. Candidates at the junior (non-tenured) level must be Ph. D. and/or M.D. scientists with significant postdoctoral research experience. Candidates are expected to have a strong interest in undergraduate and graduate teaching, especially in the areas of cell biology, developmental biology, and/or genetics. Appointees will be expected to join the faculty beginning July 1, 2003 or thereafter.

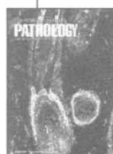
With regard to research, we seek individuals studying any aspect of cell biology at the molecular and cellular level, including such areas as signal transduction, membrane traffic, cell-cycle regulation, cell-matrix and cell-cell interactions, and cell aspects of development. We are particularly interested in persons working in areas of cell biology related to disease, including (but not limited to) microbial pathogenesis and host-pathogen interactions; oncogenesis and tumor biology; the biology of stem cells; genetic models of disease; mammalian development; the role of programmed cell death in development and disease; and chromosome biology and the determinants of genomic stability. However, the precise area is less important than a demonstrated record of excellence, originality and productivity in research.

Applications should include a curriculum vitae; a list of publications; a brief description of research accomplishments; a two-page statement of research objectives and teaching interests; and reprints of three most significant publications. Arrange to have three letters of reference sent to the address below. Closing date for receipt of applications is November 15, 2002.

Applications should be sent to:

**Chair, Cell Biology Search  
Department of Molecular and Cell Biology  
University of California at Berkeley  
401 Barker Hall #3202  
Berkeley, CA 94720-3202**

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



## Editor-in-Chief,

## The American Journal of Pathology Term: July 1, 2003 to June 30, 2008

For 8 years, *The American Journal of Pathology*, a leading multidisciplinary journal with the latest research in the basic mechanisms of disease, has achieved the highest citation ranking from ISI of any general pathology journal. The Editor-in-Chief will inherit the support of an experienced, centralized editorial office that facilitates the rapid review and efficient handling of more than 1,400 original manuscripts per year currently distributed among geographically divergent editors.

Submit CV and Objectives to:  
**Dorothy Bainton, M.D., Search Committee Chair  
c/o American Society for Investigative Pathology  
9650 Rockville Pike  
Bethesda, MD 20814-3993**

**Application Deadline: November 15, 2002**

For more information, go to:  
[www.asip.org/jobs/editor.htm](http://www.asip.org/jobs/editor.htm)



**American Society for Investigative Pathology**

## POSITIONS OPEN

### ASSISTANT PROFESSOR BIOLOGICAL CHEMISTRY School of Medicine Johns Hopkins University

The Department of Biological Chemistry at the Johns Hopkins University School of Medicine invites applications for a tenure-track position at the Assistant Professor level. The Department is seeking candidates with an outstanding record and a commitment to excellence in research and teaching ([website: http://biolchem.bs.jhmi.edu](http://biolchem.bs.jhmi.edu)). Applicants should submit (preferably as a single PDF file) curriculum vitae, list of publications, summary of research plans, and representative reprints to e-mail: [bcsearch@bs.jhmi.edu](mailto:bcsearch@bs.jhmi.edu). In addition, three letters of recommendation should be sent to:

**Dr. Denise Montell**  
Search Committee Chairperson  
Department of Biological Chemistry  
The Johns Hopkins University  
School of Medicine  
725 North Wolfe Street  
Baltimore, MD 21205

Applications should be received by October 15, 2002. Equal Opportunity/Affirmative Action Employer.

### TENURE-TRACK ASSISTANT PROFESSOR Genomics/Complex Genetic Disorders University of Pennsylvania

The University of Pennsylvania invites candidates to apply for a tenure-track Assistant Professor position in medical and comparative genetics. The academic appointment will be in the School of Veterinary Medicine as a member of the Center for Comparative Medical Genetics, which is an integral part of a large biomedical campus including the new Penn Genomics Institute. The new faculty member is expected to develop an independently funded research program on the genetic basis of animal models of human disease. This area is especially suitable for someone trained in the use of large-scale genome mapping and analysis, functional genomics, or other new methods. Candidates should have a Ph.D. and/or V.M.D. or equivalent degree and advanced scientific training in a relevant area. Applications are requested by November 1, 2002, including curriculum vitae; summary of current research activities; plans for future research; and list of three references to: **Comparative Medical Genetics Search Committee, School of Veterinary Medicine, University of Pennsylvania, 3900 Delancey Street, Philadelphia, PA 19104.** E-mail attachments to e-mail: [ccmg@mail.vet.upenn.edu](mailto:ccmg@mail.vet.upenn.edu). The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL PROJECT IN NMR SPECTROMETRY** available at the National Center for Toxicological Research, FDA laboratory, near Little Rock, Arkansas. Duties include development of an NMR-based metabonomics program to identify unique biomarkers of drug toxicity using a new 600 MHz NMR with multivariate analysis of 1-D and 2-D NMR spectral data. Doctoral degree in chemistry, biophysics, or biochemistry and experience with high-field NMR operation are required. Experience with multivariate statistical analysis or animal toxicity studies is preferred. Stipend is \$47,085 (includes insurance supplement). Send résumé to e-mail: [mccamant@ora.gov](mailto:mccamant@ora.gov); FAX: 865-241-5219, Attention: L. McCamant. Mention Project Number NCTR 2002-03.

**ECOLOGY/ENVIRONMENTAL BIOLOGY ASSISTANT PROFESSOR**, tenure track, Oglethorpe University, Atlanta, Georgia, beginning August 2003. Teaching responsibilities in ecology, general biology, core program biological science, advanced course(s) in specialty, and possibly environmental science. Expertise in urban and suburban ecology is desirable; Ph.D. and experience required. Application deadline is November 15, 2002. For details, see [website: http://www.oglethorpe.edu/ecologist](http://www.oglethorpe.edu/ecologist). Equal Opportunity Employer.

## POSITIONS OPEN

### FACULTY POSITION PLANT MOLECULAR BIOLOGY Indiana University, Bloomington

The Department of Biology and the Indiana Molecular Biology Institute invite applications for a tenure-track ASSISTANT PROFESSOR position in the area of plant molecular biology. Candidates should be investigating fundamental questions in plant biology at a mechanistic level.

IU-Bloomington is significantly expanding in the life sciences. These efforts include construction of a major research building; a new interdepartmental initiative in biochemistry and biophysics; and numerous recent hires that have greatly expanded our strengths in the areas of microbiology, biochemistry, structural biology, cell and developmental biology, molecular evolution, and ecology. We are now expanding in the plant sciences and will be hiring at least two additional Plant Molecular Biologists in the next few years. The plant molecular biology group occupies a set of large contiguous laboratories in newly renovated Myers Hall, the home of the Indiana Molecular Biology Institute. For more information about the Biology Department and the Institute and for links to information about the campus and the Bloomington community, see [website: http://www.bio.indiana.edu](http://www.bio.indiana.edu).

Candidates should send curriculum vitae; a statement of research (past, present, and planned); representative publications; and arrange to have three (or more) letters of recommendation sent to: **Dr. Mark Estelle, Plant Molecular Biology Faculty Search, Department of Biology, Indiana University, 1001 East Third Street, Bloomington, IN 47405-3700.** Review of applications will begin October 15, 2002, and will continue until suitable candidates are identified. *Indiana University is an Affirmative Action/Equal Opportunity Employer. Women, minority candidates, and couples are encouraged to apply.*

### BIOCHEMISTRY University of South Carolina

The Department of Chemistry and Biochemistry invites applications for a tenure-track biochemistry positions at the ASSISTANT PROFESSOR level (two positions may be available) although applications for a more advanced position from exceptionally well-qualified candidates are also encouraged. Outstanding candidates in all areas of biochemistry will be considered. Multidisciplinary candidates who would support current growth of the Department in the areas of physical biochemistry/materials science and nanoscience cancer biochemistry are of particular interest. The candidate is expected to establish a vigorous, externally supported research program and have a strong commitment to teaching chemistry and biochemistry at the undergraduate and graduate levels. Review of applications will begin as they are received and continue until the position(s) are filled. Applicants should submit a letter of application, curriculum vitae, three letters of recommendation, and a statement of teaching interests and research plans to: **Chair, Biochemistry Search Committee, Department of Chemistry and Biochemistry, University of South Carolina, Columbia, SC 29208.** Departmental information is available at [website: http://www.chem.sc.edu](http://www.chem.sc.edu). The University of South Carolina is an Equal Opportunity/Affirmative Action Employer.

### POSTDOCTORAL POSITION

A Senior Research Associate position is immediately available in my laboratory at the Northwestern University Medical School, Chicago, Illinois. The candidate must have a minimum of three years of postdoctoral research experience and demonstrated expertise in cell and molecular biology techniques. The major focus of research in my laboratory includes the study of mechanisms involved in the pathogenesis of diabetic nephropathy during embryonic development. Salary is negotiable depending upon the research experience. Please contact: **Dr. Kanwar;** e-mail: [y-kanwar@northwestern.edu](mailto:y-kanwar@northwestern.edu) for further information.

## POSITIONS OPEN

### TENURE-TRACK ASSISTANT PROFESSOR

The Department of Nutrition and Food Science at Auburn University in conjunction with the Cellular and Molecular Biosciences Peak of Excellence invites applications for a tenure-track position as an Assistant Professor in the area of nutritional molecular biosciences. The successful applicant must have a Doctorate in nutrition, biochemistry, physiology, molecular biology, or related field and have a demonstrable research and publication record in an area of nutrition or nutritionally related diseases utilizing molecular biology approaches. *The successful candidate must also meet eligibility requirements to work in the United States and must be able to communicate in the language in which the course is to be taught.* The applicant is expected to develop and maintain an independent, externally funded research program and contribute to the departmental undergraduate and graduate teaching mission. The review of applications will commence on January 5, 2003, and will continue until a successful candidate has been identified.

To apply, send curriculum vitae; statement of research/teaching interests; and the names and contact information (including e-mail addresses) for three individuals who can provide reference letters to: **Auburn University, Cellular and Molecular Biosciences, 135 South College Street, O. D. Smith Hall, Auburn University, AL 36849-5378.** Auburn University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

**CELLULAR/MOLECULAR BIOLOGIST. ASSISTANT/ASSOCIATE PROFESSOR.** The Biology Department of Westmont College seeks an individual for a tenure-track position to begin in August 2003. A Ph.D. is required and postdoctoral research and teaching experience are preferred. The person's courses include genetics and molecular biology, and the individual will also involve undergraduate students in a vigorous research program. We are particularly interested in applicants with expertise either in neuroscience or in developmental biology. Westmont has an enrollment of 1,200 undergraduates with five faculty in the Biology Department. We are a national, selective liberal arts college stressing excellence in undergraduate teaching, scholarship, and commitment to the Christian faith, and faculty contribute broadly to the character and mission of the College in the context of close working relationships with students. Please send curriculum vitae, a brief description of research and teaching interests, and three letters of reference to: **Search Chair, Department of Biology, Westmont College, Santa Barbara, CA 93108.** Queries about the position as well as electronic submission of application materials may be addressed to e-mail: [perciva@westmont.edu](mailto:perciva@westmont.edu). Review of applications will commence October 15, 2002. *Westmont College is an Equal Employment Opportunity Employer seeking to be diverse in people and programs consistent with its mission.*

### TWO POSTDOCTORAL POSITIONS LEUKEMIA BIOLOGY BMT/Leukemia Center Oregon Health and Science University (OHSU) Howard Hughes Medical Institute

Applications are invited for two Postdoctoral Research Associates in the laboratory of **Dr. Brian Druker.** The work will involve the study of activated tyrosine kinases in hematological malignancies with respect to basic biology and therapeutic intervention. Candidates are expected to have substantial experience in molecular biology and/or protein expression. They should have demonstrated their capabilities and enthusiasm by peer-reviewed publications. Salary and benefits will be funded through the Howard Hughes Medical Institute.

Applicants should send curriculum vitae including the names and addresses of two references to: **Dr. Michael Deininger, OHSU, BMT/Leukemia, 3181 S.W. Sam Jackson Park Road L-592, Portland, OR 97239 U.S.A.** E-mail: [deininger@ohsu.edu](mailto:deininger@ohsu.edu). Closing date for applications: September 30, 2002.



### FACULTY POSITIONS IN DEPARTMENT OF CELL BIOLOGY CENTER FOR MODELS OF HUMAN DISEASE

The Department of Cell Biology has several tenure track positions available over the next few years in a new Center for Models of Human Disease to be completed in mid 2003. Candidates must have a strong record of achievement and a well-formulated research plan. They will be expected to take full advantage of the state-of-the-art mouse facilities and interdisciplinary organization of the Center and to contribute to the expanding mouse genetics community in the Research Triangle area. All relevant research areas will be considered, including developmental defects and genetic reprogramming. The Cell Biology Department is in a major expansion phase and successful applicants will enjoy access to newly renovated departmental facilities and a stimulating and supportive research environment. Review of applications will begin November 1st, 2002.

Please include CV, brief summary of past and future research, and reprints of recent papers, and arrange for three letters of support to be sent directly to: **Dr. Brigid LM Hogan, Chair, Department of Cell Biology, Room 388C, Nanaline H. Duke Building, Box 3709, Duke University Medical Center, Durham, NC 27710.**

**Duke University**  
**Medical Center**

Duke University Is An Equal Opportunity/Affirmative Action Employer

### DEPARTMENT OF BIOLOGICAL SCIENCES TWO TENURE-TRACK POSITIONS

An ongoing institutional initiative in Bioscience and Biotechnology will add as many as twelve faculty spanning Biological Sciences, Bioengineering, and related fields over the next 3-5 years. As part of this undertaking, applications are invited for two tenure-track faculty positions beginning in Fall 2003 in the Department of Biological Sciences. Successful candidates will have strong records of scholarly productivity, the potential or demonstrated ability to generate extramural funding, and a commitment to instructional excellence at the undergraduate and graduate levels. Research interests should complement existing departmental strengths in neuroendocrinology/neurophysiology, cell/molecular biology, and biochemistry. Contributions to interdisciplinary programs in bioengineering and integrated life science also will be expected.

**Receptor Biology, Assistant Professor.** Candidates with outstanding research programs in fundamental aspects of membrane receptor biology are encouraged. Individuals employing molecular, cellular, or biochemical approaches to characterize the role of G-protein coupled or ionotropic receptors in neural functions, including behavior, are of particular interest. Inquiries and applications should be directed to **Prof. L. Lowe-Krentz (lj10@lehigh.edu), Chair, Membrane Receptor Search Committee.**

**Cell Biology, Assistant Professor.** Candidates with outstanding research programs in fundamental aspects of eukaryotic cell structure/dynamics are encouraged to apply. Individuals with expertise in microscopy and imaging cell dynamics whose programs address nuclear organization or intracellular trafficking will be accorded preference. Inquiries and applications should be directed to **Prof. M. Kuchka (mrk5@lehigh.edu), Chair, Cell Biology Search Committee.**

Searches in the Bioengineering component of the Bioscience and Biotechnology Initiative with initial appointments in Fall, 2003 are planned in molecular modeling (**Prof. M. Chaudhury, Chair**) and biomechanics (**Prof. H. Nied, Chair**). Future hires are anticipated in molecular and cellular biosciences, population and environmental biology, bioinformatics and biopharmaceuticals. Individuals hired as part of this effort are expected to demonstrate a commitment to interdisciplinary research and educational programs (for more information, see our Web site [www.lehigh.edu/~inbios/position/html](http://www.lehigh.edu/~inbios/position/html)). General inquiries can be directed to **Prof. N.G. Simon (ngs0@lehigh.edu), Coordinator**. The initiative is designed to complement anticipated major investments in information technology, materials science, and the environment.

Send curriculum vitae, representative publications, a description of research and teaching interests, and four letters of reference to the appropriate search committee chair electronically or to: **Department of Biological Sciences, 111 Research Drive, Lehigh University, Bethlehem, PA 18015.** Deadline for submission is December 10, 2002.

*Lehigh University is an AA/EEO employer and is committed to recruiting and retaining women and minorities.*



**LEHIGH**  
UNIVERSITY

**Virginia**



**Tech**  
VIRGINIA POLYTECHNIC INSTITUTE  
AND STATE UNIVERSITY

### Dean, College of Agriculture and Life Sciences

Virginia Tech is seeking a dynamic leader to serve as **Dean of the College of Agriculture and Life Sciences** and as a critical member of the university's leadership team. Virginia Tech is the senior land grant university in the Commonwealth of Virginia. Approximately 21,000 undergraduates and 6,600 graduate students are enrolled on- and off-campus.

The College of Agriculture and Life Sciences enrolls over 1400 graduate and undergraduate students in 11 departments. The Dean also has responsibility for Virginia Cooperative Extension and the Virginia Agricultural Experiment Station with those Directors serving as Associate Deans in the College. Required qualifications: earned doctorate and distinguished record of scholarly activity to qualify for appointment as professor; demonstrated communication and interpersonal skills; the ability to work effectively in collaboration with many constituencies; experience in leading a major research program; successful leadership in higher education. Preferred qualifications: an appreciation of the mission of a land grant university; the ability to advance the research agenda of the university; demonstrated administrative experience, a record of accomplishment in all issues of diversity; and successful experience in fund-raising and development activities. A more detailed position description is available at <http://www.provost.vt.edu>.

Please send nominations and applications to: **Dr. Peter Eyre, Search Committee Chair, c/o Office of the Provost, Virginia Tech, 330 Burruss Hall (0132), Blacksburg, VA 24061. 540-231-7910 (phone); 540-231-7211 (fax).** The application packet should include a letter of interest, a current CV, and the names of three references. Review will begin 10/1/02 and continue until the position is filled. The position is available January, 2003.

Virginia Tech has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates including women, minorities, and people with disabilities. Individuals with disabilities desiring accommodations in the application process should contact the search coordinator at the address above.

*An Equal Opportunity/Affirmative Action Employer*

### DEAN DIVISION OF LIFE SCIENCES COLLEGE OF LETTERS AND SCIENCE UCLA

Applications and nominations are invited for the position of Dean of the Division of Life Sciences in the College of Letters and Science at UCLA, effective July 1, 2003. The Dean has responsibility for setting academic priorities, the allocation of resources, the academic personnel process, the recruitment and retention of faculty, the development and enhancement of educational and research programs, and the implementation of the development programs. The incumbent also serves as Senior Associate Dean in the David Geffen School of Medicine with responsibility for oversight of the combined basic science departments and coordination of faculty recruitment and retention with Medicine.

The Dean reports to the Provost of the College of Letters and Science and to the Dean of the David Geffen School of Medicine, with responsibility for five College departments, one Organized Research Unit (ORU) and four Interdepartmental Degree Programs (IDPs). The Division of Life Sciences has approximately 145 ladder faculty, 5,550 undergraduates, 400 graduate students and annual operating expenditures of \$58 million.

Candidates should have qualifications appropriate to the rank of full professor. Salary will be commensurate with background and expertise. For additional information, please go to <http://www.apo.ucla.edu/dean-lifesci/>.

To be ensured full consideration, nominations and applications should be sent by **October 31, 2002** to: **Life Science Dean Search Committee, c/o Ms. Rene Dennis, Office of the Chancellor—APO, University of California, 3109 Murphy Hall – 140701, Los Angeles, CA 90095-1407; Facsimile: (310) 206-9643; Email: [rdennis@conet.ucla.edu](mailto:rdennis@conet.ucla.edu).**

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



## POSITIONS OPEN

### FACULTY POSITIONS Harvard University Systems Neuroscience Center

The Faculty of Arts and Sciences at Harvard University is developing a Center for Systems Neuroscience to bring together Scientists involved in experimental or theoretical research on the nervous system, from neurons and neural circuits to behavior and cognition. The Center will foster interactions across disciplinary boundaries with faculty from a spectrum of academic departments housed in common research space and connections reaching out to departments and facilities across the University.

It is expected that 10 or more new neuroscience faculty will be appointed over the course of the next few years. Each will hold an academic appointment in one or two of the participating departments: Psychology, Molecular and Cellular Biology, Organismic and Evolutionary Biology, Physics, Chemistry and Chemical Biology, and the Division of Engineering and Applied Sciences (which includes Applied Mathematics and Computer Science). Joint appointments with relevant Medical School departments such as Neurobiology are also possible. Links to other new centers at Harvard including the Brain Imaging Center at the Medical School, the Center for Genomics Research, the Center for Imaging and Mesoscale Structures, and the Institute of Chemistry and Cell Biology will provide resources, facilities, and opportunities for collaborative research and technology development.

We invite applications for faculty positions at the rank of **ASSISTANT**, **ASSOCIATE** (nontenured), and **FULL PROFESSOR**. Because of the opportunity for synergistic appointments, we encourage applicants to inform us of other exceptional candidates including present or potential collaborators. Please send a cover letter, curriculum vitae, research statement, and copies of several publications to:

Systems Neuroscience Search Committee  
c/o Markus Meister  
Harvard University, 16 Divinity Avenue  
Room 4027  
Cambridge, MA 02138

Also arrange to have three letters of recommendation sent directly to the above address. The application deadline is October 15, 2002. *Applications from or nominations of women and minority candidates are especially encouraged. Harvard is an Affirmative Action/Equal Opportunity Employer.*

### TENURE-TRACK ASSISTANT/ ASSOCIATE PROFESSOR POSITIONS Genetics

The Department of Genetics at Louisiana State University Health Sciences Center in New Orleans invites applications for tenure-track faculty positions at the Assistant or Associate Professor levels to enhance growth and expansion in human genetics, genomics/bioinformatics, and genetic epidemiology. Exciting opportunities for collaborative interdisciplinary research exist through LSU Centers of Excellence in cancer, neuroscience, oral biology, and cardiovascular biology as well as the Louisiana Gene Therapy Consortium and the Kresge Hearing Research Laboratory. Successful candidates will enjoy excellent space and state-of-the-art equipment and core facilities. Requirements are postdoctoral experience and the ability to establish an extramurally supported research program. Contributing to the graduate and medical teaching activities of the Department is expected. Please send curriculum vitae, description of research interests, and addresses of three references to: **Bronya Keats, Ph.D., Department of Genetics, LSU Health Sciences Center, 533 Bolivar Street, New Orleans, LA 70112.** *LSUHSC is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN



### MICROBIOLOGIST POSITION

Foodborne Contaminants Research Unit  
USDA, ARS, Albany, California

A permanent full-time position is available to contribute to an on-growing, multidisciplinary research effort on the environmental microbiology of human pathogens. The candidate will focus on determining the environmental prevalence of foodborne pathogens and identify critical factors for survival, proliferation, and transmission from manure to crop environments. Development of novel techniques for detection and selective isolation of pathogens from animal manure and environments influenced by animal waste will be an integral component of this research. The position is offered at Series/Grade GS-403 12/13/14 (\$59,471 to \$108,642) and is open to U.S. citizens only. For application procedures, see Position Number ARS-X2W-2408 at website: <http://www.afm.ars.usda.gov/divisions/hrd/index.html>. For additional information, call the Personnel Office; Telephone: 510-559-6090. *United States Department of Agriculture is an Equal Opportunity Provider and Employer.*

**SUPERVISORY RESEARCH MICROBIOLOGIST.** The U.S. Department of Agriculture/Agricultural Research Service Poultry Microbiological Safety Research Unit in Athens, Georgia, is seeking a Research Microbiologist GS 14-15 (\$76,271 to \$89,715), salary commensurate with experience. Incumbent conducts personal research and provides leadership to basic and applied research to develop knowledge and technologies that will support action agencies and the poultry industry by preventing or controlling the presence of human bacterial pathogens in fertile broiler/breeder eggs, on-farm chickens, and spent litter for distribution onto agricultural lands. The three program areas for this unit are (1) controlling colonization of poultry by *Campylobacter*, (2) controlling colonization by *Salmonella* and *Clostridium perfringens*, and (3) assessing and controlling pathogens in poultry manures. As Research Leader, incumbent is responsible for managing the Unit's physical, personnel, and financial resources in application to project objectives. Incumbent also serves as Coordinator of Poultry Food Safety Research at the Athens, Georgia, location. *United States citizenship is required. Comprehensive benefits package included. For information on the research program/position, contact: Jane Robens, Acting Research Leader; Telephone: 706-546-3549; e-mail: [jane.robens@ars.usda.gov](mailto:jane.robens@ars.usda.gov). For the full text of the vacancy announcement, which includes application materials and forms, contact: Genell G. Powers; Telephone: 706-546-3029; e-mail: [powersg@saa.ars.usda.gov](mailto:powersg@saa.ars.usda.gov). Visit the ARS vacancy website: <http://www.afm.ars.usda.gov/divisions/hrd/index.html>. Announcement Number ARS-X2S-2295. Applications must be postmarked by September 30, 2002. *USDA/ARS is an Equal Opportunity Provider and Employer.**

### BIOLOGISTS

(1) **GENETICIST (ASSISTANT PROFESSOR):** We are seeking a Biologist who can teach genetics. Occasional teaching in introductory biology may also be required.

(2) **COMPARATIVE ANIMAL PHYSIOLOGIST (ASSISTANT PROFESSOR):** We are seeking a broadly trained Comparative Animal Physiologist to teach the lecture and laboratory components of comparative animal physiology.

(3) **CHAIR (ASSOCIATE or FULL PROFESSOR):** The ideal candidate will have established research and grants experience, administrative experience, and a demonstrated commitment to undergraduate education.

Detailed information about the Biology Department and each of these positions is available at website: <http://www.cofc.edu/~biology/>.

## POSITIONS OPEN

### FULL PROFESSOR (Posting Number 134958)

Inorganic, Bioinorganic, or Materials Chemistry  
Emory University

The Department of Chemistry has a senior-level, tenure-track faculty position opening beginning fall 2003 that continues our recent growth at the chemistry-biology or chemistry-materials science interfaces. The appointment of a well-established and distinguished Scholar-Investigator is a priority but we also welcome unusually strong applications from Chemists at the **ASSISTANT** or **ASSOCIATE PROFESSOR** levels. We seek candidates with an interest in creative, interdisciplinary research and a commitment to quality teaching at both undergraduate and graduate levels. Research laboratories and office space will be in the new Cherry Logan Emerson Hall (opened winter 2001) or in the newly renovated Atwood Hall, providing the successful candidate with ample opportunity to both complement the research interests within chemistry and establish ties with biological and materials research components across our campus. Candidates should submit a letter of interest, curriculum vitae and research plans, and arrange to have three letters of recommendation sent. Nominations for this position at the senior level are also solicited. All materials and correspondence should be sent to: **Chair, Faculty Search Committee, Department of Chemistry, 1515 Pierce Drive, Emory University, Atlanta, GA 30322.** For more information about the Department, visit the website: <http://www.emory.edu/CHEMISTRY>. Application review will begin October 15, 2002. *Emory University is an Affirmative Action/Equal Opportunity Employer and welcomes applications from individuals in underrepresented groups.*

### RESEARCH ASSOCIATE

The successful applicant will study the functions and mechanisms of regulation of newly identified mammalian zinc transporter genes. The incumbent will be responsible for the design and construction of homologous recombination vectors, for targeting genes in ES cells, and for developing and analyzing strains of transgenic mice with zinc transporter gene knockouts. In addition, the incumbent will participate in studies of the mechanisms of cell-specific expression and metalloregulation of these genes. The successful applicant will become part of a well-funded, active research team that is studying mechanisms of zinc homeostasis and of protection against toxic metals in mammals (mice). Salary: \$32,000 to \$48,000 per year based on experience. To apply, please submit résumés to:

Dr. Glen Andrews  
Department of Biochemistry/Molecular Biology  
University of Kansas Medical Center  
3901 Rainbow Boulevard  
Kansas City, KS 66160-7421  
E-mail: [gandrews@kumc.edu](mailto:gandrews@kumc.edu)

**POSTDOCTORAL POSITIONS** immediately available in the Department of Ophthalmology at University of Missouri-Columbia. Research projects include studying signal transduction pathways in eye development in transgenic mice. Successful candidates should have a Ph.D. or M.D. degree and extensive experience in molecular biology with experience in signal transduction pathways being desirable. Applicants should send curriculum vitae, a brief statement of past and current research, and three reference letters to: **Lixing W. Reneker, EC214 Mason Eye Institute, One Hospital Drive, Columbia, MO 65212 U.S.A.** E-mail: [renekerl@health.missouri.edu](mailto:renekerl@health.missouri.edu).

**POSTDOCTORAL POSITION** in molecular neurogenetics at UCLA. One Postdoctoral position is available to apply the latest BAC transgenic technology (Yang et al., *Nat. Genet.* 22:327, 1999) to study the pathogenesis of Huntington's disease. Candidates must have Ph.D. or M.D. degrees and a strong background in molecular biology, mouse genetics, and histology. Candidates should submit curriculum vitae and names of three references to: **X. William Yang, M.D., Ph.D.; e-mail: [xwyang@mednet.ucla.edu](mailto:xwyang@mednet.ucla.edu).**

## LOYOLA UNIVERSITY MEDICAL CENTER

The Department of Pathology at Loyola University Stritch School of Medicine has immediate openings for the following positions in its Molecular Pathology Research Core Facility:

### **Molecular Pathology Technical Manager**

This individual is responsible for the supervision of the Molecular Pathology Research Core and the staff. Other duties include coordinating work flow, DNA sequencing, imaging, proteomics and trouble-shooting technical problems.

### **Molecular Pathology Technical Associate**

This individual is responsible for DNA sequencing, imaging, proteomics, and trouble-shooting technical problems.

Candidates should have a Bachelor of Science degree in Biological Sciences, Microbiology, or equivalent. A Masters degree is preferred for the Technical Manager position. A minimum of one year of experience in molecular biology is required. Preference will be given to candidates who have experience with DNA sequencing, imaging, and/or proteomics.

Interested candidates should submit a resume and listing of references to: **John M. Lee, M.D., Ph.D., Chairman, Department of Pathology, Stritch School of Medicine, Loyola University Medical Center, 2160 S. First Ave., Maywood, IL 60153.**

*Loyola University of Chicago is an Equal Opportunity Employer.*



## FACULTY POSITIONS IN DEPARTMENT OF CELL BIOLOGY

The Department of Cell Biology invites applications for several tenure-track positions over the next few years. Candidates must have a strong record of achievement and a well-formulated research plan. Most positions will be at the Assistant Professor level although outstanding candidates at other levels will be considered. Preference will be given to areas that complement or extend existing strengths in molecular/structural cell biology, signaling and development, with a focus on stem cell biology and organogenesis. The Department is in a major expansion phase and successful applicants will enjoy newly renovated space, and a stimulating and supportive research environment. Review of applications will begin November 1st, 2002.

Please include CV, brief summary of past and future research, and reprints of recent papers, and arrange for three letters of support to be sent directly to: **Dr. Brigid LM Hogan, Chair, Department of Cell Biology, Room 388C, Nanaline H. Duke Building, Box 3709, Duke University Medical Center, Durham, NC 27710.**

**Duke University  
Medical Center**

Duke University is an Equal Opportunity/Affirmative Action Employer

## ANNOUNCEMENTS

### RESEARCH PROGRAM IN THE DEVELOPMENTAL PATHOBIOLOGY OF BRONCHOPULMONARY DYSPLASIA

The Division of Lung Diseases, National Heart, Lung, and Blood Institute (NHLBI) has sponsored for the Southwest Foundation for Biomedical Research and the University of Texas Health Science Center in San Antonio,

**Dr. Jacqueline J. Coalson**, Principal Investigator, a nation-wide collaborative program of research on the molecular etiology, mechanism of pathogenesis, and prevention of bronchopulmonary dysplasia (BPD). The grant will provide, to collaborating investigators, a mammalian model of BPD for basic and transitional clinical research studies. Applications designed to define, in molecular terms, the processes involved in normal versus disordered lung development will be considered responsive to the goals of the program. Research focused on defining the factors governing angiogenesis, alveolization, extracellular matrix organization and immune cell function, and the influence of pre- and post-natal inflammation and barotrauma in the evolution of injury to the developing lung are encouraged. The BPD Resource Center and NHLBI invite inquiries by October 14, 2002, from investigators from U.S. institutions, who could accelerate our understanding of BPD.

For further information, call or write: **Dr. Jacqueline Coalson, Department of Pathology, UTHSC-SA, 7703 Floyd Curl Drive, San Antonio, TX 78229, telephone (210) 567-4121, fax (210) 567-6725.**

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## POSITIONS OPEN

### THE STATE UNIVERSITY OF NEW JERSEY **RUTGERS**

#### MAMMALIAN CELL BIOLOGIST

The Department of Cell Biology and Neuroscience at Rutgers University, Piscataway, New Jersey, invites applications for a tenure-track position at the **ASSISTANT PROFESSOR LEVEL**. Applicants should have a Ph.D. or M.D. with postdoctoral research experience and an outstanding record of research productivity in mammalian cell biology. Exceptional candidates in fields such as regulation of gene expression, immune function, cell cycle regulation, macromolecular transport, cell signaling, and cell differentiation are strongly encouraged to apply.

The successful candidate will be expected to establish a high-quality, independent research program supported by external peer-reviewed funding and to contribute to graduate and undergraduate education. Excellent state-of-the-art facilities and a competitive start-up package are available. Interested individuals should send curriculum vitae, a brief statement of research plans, and the names and addresses of three references to: **Search Committee, Department of Cell Biology and Neuroscience, Rutgers University, Nelson Biological Laboratories, 604 Allison Road, Piscataway, NJ 08854-8082**. For more information see our website: <http://lifesci.rutgers.edu/~cbn/>. Position will be open until filled but applications postmarked before November 15, 2002, will be considered first. *Rutgers University is an Equal Opportunity/Affirmative Action Employer.*

#### DIRECTOR

#### DEPARTMENT OF PATHOLOGY

Division of Molecular and Cellular Pathology  
The University of Alabama at Birmingham

The Department of Pathology at the University of Alabama at Birmingham is pleased to announce recruitment for Director of the Division of Molecular and Cellular Pathology. We are inviting applications from qualified candidates at the **ASSOCIATE PROFESSOR/FULL PROFESSOR** level. This is a full-time, tenured position through the Department of Pathology, School of Medicine and Dentistry. The candidate should have a Doctoral degree: M.D., Ph.D., D.V.M., D.D.S., or any combination thereof.

Candidates should have a nationally recognized, extramurally funded research program and the experience to lead a group of talented Scientists. The Department has a comprehensive mission in service, teaching, and research with more than \$15 million in annual research dollars and a University commitment to expand over the next five years. Growth of the research enterprise will be dependent upon recruiting new faculty in the Division of Molecular and Cellular Pathology. The Director will be responsible for all aspects of pathology graduate education (currently 44 Ph.D. students), play a major role in strategic planning for expansion, and interface with Researchers within the Department and programs in other departments. The position as Vice Chair for Research is possible based upon the candidate's qualifications.

The University of Alabama at Birmingham is a leading research institution consistently ranked in the top 20 institutions in the country in NIH research funding. Outstanding centers and core facilities for advanced microscopy, molecular genetics, and macromolecular structure are among the attractions at the Institution. The deadline for applications for this position in the Department of Pathology is November 1, 2002. Individuals that wish to be considered should submit comprehensive curriculum vitae, statement of research interests, and the names of at least three individual references to: **Dr. Jay McDonald, Professor and Chair, The Department of Pathology, University of Alabama at Birmingham, 619 19th Street South, WP P220, Birmingham, AL 35294**. E-mail: [mcdonald@path.uab.edu](mailto:mcdonald@path.uab.edu). *The University of Alabama is an Affirmative Action/Equal Opportunity Employer. Women and minority applicants are encouraged to apply.*

## POSITIONS OPEN

**SOCIOLOGIST** for college in Elyria, Ohio. Must conduct research on community, work and employment, social problems, aging, ethnic minorities, delinquency and social demography. Must conduct research and surveys using social statistics and GIS (Geographic Information System) software packages such as SPSS, SAS, LISREL, AMOS, HLM, ArcView, and ArcInfo. Must collect and analyze scientific data using social statistical techniques such as multiple analysis of variance, multiple regression, path analysis and causal models, factor and discriminant analysis, logistic regression, hierarchical linear models, loglinear models, and structural equation models. Must digitize, geocode, query, and analyze geographical data. Must write scripts and syntax using Avenue and Visual Basic programming languages. Must create maps and layouts using GIS and CAD software and prepare technical publications. Must have an M.A. degree majoring in sociology. Experience must include one year of experience working with advanced social statistical techniques including hierarchical linear models and structural equation models using HLM and AMOS software packages. Must also have one year of experience in digitizing and geocoding using GIS and CAD software and in writing scripts and syntax using Avenue and Visual Basic programming languages. Must have one year of experience in the job offered or one year of experience as a **RESEARCHER/RESEARCH ASSISTANT**. Forty hours per week; 8:30 a.m. to 4:30 p.m. Monday through Friday at \$44,000 per year. Send two résumés and cover letter (no telephone calls) to: **Reference Number 9705JED, P.O. Box 16808, Columbus, OH 43216**.

#### COMPARATIVE GENOMICS

The Department of Biological Sciences, Idaho State University (website: <http://www.isu.edu/departments/bios/>), seeks applicants for an **ASSISTANT PROFESSOR** position beginning January or August 2003. Candidates must hold a Doctorate (postdoctoral experience preferred) and have ability to supervise students from undergraduate to Doctoral levels. The successful candidate will be expected to develop a vigorous, externally funded research program and will participate in the Biomedical Research Infrastructure Initiative (BRIN-NIH) in Idaho. Teaching responsibilities include advanced courses in comparative genomics, molecular evolution, and computational biology. We seek a collaborative individual who will establish a research program exploring fundamental evolutionary questions in genomics and bioinformatics. Candidates working with any combination of laboratory or computational methods should apply. Send statements of research interest and contributions, curriculum vitae, and four references by 22 October 2002 to: **Laurens Smith, Genomics Search Committee, Biological Sciences, Idaho State University, Pocatello, ID 83209-8007**. *Idaho State University is an Equal Opportunity/Affirmative Action Employer.*

**POSTDOCTORAL POSITION** available immediately at Emory University School of Medicine to study cellular roles and regulation of RGC (regulators of G protein signaling) proteins as novel integrators of G protein signaling. Applications are invited from motivated individuals with laboratory experience using modern techniques in cell imaging/microscopy and molecular and cellular biology. Recent Ph.D./M.D. with relevant research experience required. Well-funded/equipped, stimulating research environment working with collegial, interactive research group. Great opportunity to spearhead exciting research. Send curriculum vitae with references to: **Dr. John R. Hepler, Department of Pharmacology, Emory University School of Medicine, 5001 Rollins Research Center, 1510 Clifton Road, Atlanta, GA 30322-3090**. E-mail: [jhepler@emory.edu](mailto:jhepler@emory.edu). *Emory University is an Equal Employment Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN



#### FACULTY POSITIONS

##### Cardiovascular Sciences/Molecular Cardiology

The Section of Cardiology in the Department of Medicine at the University of Chicago is recruiting new faculty. We are recruiting tenure-track faculty in broad areas of cardiovascular research including but not limited to vascular biology, molecular electrophysiology, signal transduction in heart failure, cardiac development, and cardiovascular genetics.

The Molecular Cardiology laboratories are housed in substantial, state-of-the-art laboratory space and a generous start-up package is available. Successful candidates will be expected to conduct a vigorous, independent research program and to participate in teaching and training students and Fellows. Positions are open to Ph.D., M.D., and M.D.-Ph.D. candidates. Applicants at all levels will be considered. Opportunities are available for joint appointments with the basic science departments.

Please send current curriculum vitae; statement of research interests; and three letters of reference by November 15, 2002, to:

**Molecular Cardiology Search Committee  
c/o Elizabeth McNally, M.D., Ph.D.  
Section of Cardiology, The University of Chicago  
5841 South Maryland, MC6088  
Chicago, IL 60637**

**RESEARCHER** for a university in central Ohio. Conduct research on nematode *C. elegans*, which serves as an eukaryotic model for molecular biology studies, and consider the various applications (including the development of biological insecticides such as insect-parasitic or entomopathogenic nematodes from the *Steinernematidae* and *Heterorhabditidae* families) that entail considering mass production, culture methods, and application techniques of nematodes. Use DNA extraction, sequencing, PCR, Southern/Northern blotting, transgene animals, protein biochemistry, and cell culture techniques; apply JAVA to compile programs for DNA database searching. Must have a Ph.D. in nematology or agricultural science. Must have one academic course each (or six months of experience each) in the following areas: biological control, molecular nematology, evolution of developmental mechanism, bioinformatics, and programming language JAVA. Must be knowledgeable in nematodes infection behavior, which must be evidenced by a peer-reviewed article (or a presentation at an international conference) in this area. No experience required. Skills/experience may be evidenced by academic letter(s), reference(s), and/or testimonial(s) if requested. Forty hours per week; 8 a.m. to 5 p.m.; salary: \$38,406 per year. *Must have proof of legal authority to work indefinitely in United States*. Send two résumés and cover letters and transcripts (no telephone calls) to: **Reference Number 559JED, P.O. Box 16808, Columbus, OH 43216**.

#### CELL AND MOLECULAR SCIENTIST

Private spinal cord injury research organization located in Fort Collins, Colorado, has immediate opening for entry/intermediate-level Scientist to develop *in vitro* models to study central nervous system repair and regeneration. The applicant's qualifications should include expertise in primary culture of nervous system cells and isolation and identification of the various cell types as well as preparation and culture of intact neural tissue. Applicant should have a working knowledge of molecular and cell biological techniques as well. We provide a progressive and pleasant working environment with competitive salary. Please send curriculum vitae, cover letter describing your future aspirations, and contact information for three references to: **Box 116, Room 914, 1200 New York Avenue, N.W., Washington, DC 20005**.



**DORIS DUKE**  
**CHARITABLE FOUNDATION**

**CALL FOR PRE-PROPOSALS** GRANTS AVAILABLE FOR UP TO \$2.25 MILLION

## *Clinical Interfaces Award Program*

### **Team awards at the interface of the clinical and basic sciences**

Research supported by this new program must:

- foster new and collaborative ways of addressing complex problems of human health and disease;
- be conducted by teams that include key investigators from at least three disciplines as equal partners. One of these key investigators must be a clinical investigator; and
- be unique and only achievable through integration of a cross-disciplinary team of investigators.

Disciplines include: the biological, physical, chemical, social and population sciences, mathematics, computer sciences, and engineering.

Proposals in all disease areas will be considered. Funding priority will be given to outstanding research proposals in cancer, cardiovascular diseases, AIDS, and blood disorders. Both 18-month planning grants for \$80,000 and 5-year full grants of up to \$2.25 million will be made.

**Pre-proposal deadline:** December 2, 2002

**Award start date:** October 1, 2003

Full details and instructions are available on our website: <http://ddcf.aibs.org/ciap>



**DORIS DUKE**  
**CHARITABLE FOUNDATION**

*We congratulate the  
following investigators  
who have been selected  
to receive Doris Duke  
awards in 2002:*

### **Innovation in Clinical Research Award**

**Sherif Abdel-Rahman**

University of Texas Medical Branch

*"Impact of CYP2C9 genotype on long-term warfarin dose requirement"*

**Christine M. Albert and Calum A. MacRae**

Massachusetts General Hospital

*"SCN5A gene variants and risk of sudden death"*

**Timothy C. Fisher and Alan L. Hiti**

USC Keck School of Medicine

*"Lewis blood group antigens and the severity of sickle cell disease"*

**Patrick F. Kelly, David A. Williams, and Frank O. Smith**

Cincinnati Children's Hospital Research Foundation

*"Gene transfer into hematopoietic stem cells"*

**Andre M. Lieber**

University of Washington

*"New vectors for g-globin expression"*

**Justin D. Pearlman and Mark A. Israel**

Dartmouth College

*"The development of novel vascular imaging applications"*

**Lawrence I. Sinoway and Laurence M. Demers**

Pennsylvania State University

*"Interstitial norepinephrine in heart failure"*

**Kendall A. Smith, MD and K. Craig Kent**

Joan and Sanford I. Weill Medical College of Cornell University

*"Arteriosclerosis as a T-cell-mediated disease"*

**John A. Spertus and Deepankar Medhi**

Mid America Heart Institute/UMKC

*"Optimizing the choice of coronary revascularization: creating the patient-refined expectations for deciding invasive cardiac treatments (PREDICT) tool"*

**Barney J. Stern, Vicki S. Hertzberg, and Allan Levey**

Emory University

*"The role of the STRK1 gene in ischemic stroke in the USA: the 'STRKUSA' study"*

**Joseph M. Vinetz and Robert H. Gilman**

University of Texas Medical Branch

*"Malaria transmission and the human immune response"*

### **Clinical Scientist Development Award**

**Matthew L. Albert**

The Rockefeller University

*"Tumor Immunity Versus Tumor Mediated Immunosuppression"*

**Dan H. Barouch**

Beth Israel Deaconess Medical Center

*"Prophylactic and Therapeutic DNA Vaccines for HIV"*

**Johann S. de Bono**

CTRC Institute for Drug Development

*"Combined EGFR and HER2 Blockade for Advanced Breast Cancer"*

**Seema R. Lalani**

Baylor College of Medicine

*"Genetic Etiology of CHARGE Syndrome"*

**Linda M. McAllister-Lucas**

University of Michigan

*"Aberrant NF- $\kappa$ B Activation in MALT Lymphoma Pathogenesis"*

**Julie M. Miller**

Johns Hopkins University

*"Identification and Significance of Microvascular Flow in Post-Ischemic Myocardial Injury"*

**Avrum E. Spira**

Boston University School of Medicine

*"Tobacco, Cancer and Epithelial Gene Expression"*

**Kevin G. Volpp**

University of Pennsylvania

*"Financial Stress and Hospital Quality of Care"*

**Lisa L. Wang**

Baylor College of Medicine

*"The Molecular Basis of Rothmund-Thomson Syndrome"*

**Catherine J. Wu**

Dana-Farber Cancer Institute

*"Non-ablative Transplantation for Hemoglobinopathies"*

## POSITIONS OPEN

### ASSISTANT PROFESSOR Molecular Development

The biology program at Connecticut College seeks a Developmental Biologist with expertise in molecular techniques for a tenure-track Assistant Professor position to start July 1, 2003. Teaching responsibilities include a broadly based course in developmental biology, participation in a core introductory biology course, and an advanced-level course of the candidate's design. Connecticut College is committed to undergraduate participation in research; the successful candidate will develop a research program involving students as active participants. Required: Ph.D.; desired: postdoctoral work and teaching experience. Connecticut College is a highly selective institution dedicated to the liberal arts tradition and interdisciplinary teaching and research. The normal teaching load is five courses annually; laboratory sections count as full courses. Tenure-track faculty receive a research stipend their first two summers and a semester's leave at full salary after their third year if reappointed for the full probationary period. Tenured faculty receive 80% salary during a sabbatical year or 100% during a one-semester sabbatical.

A cover letter, curriculum vitae, a statement of teaching and research philosophy, three letters of recommendation, and copies of graduate transcripts should be sent to: **Stephen Loomis, Co-Chair, Molecular Development Search Committee, Connecticut College, 270 Mohegan Avenue, Box 5213, New London, CT 06320-4196.** Application review will begin November 1, 2002, and continue until the position is filled. *Connecticut College is actively engaged in increasing faculty diversity. Affirmative Action/Equal Opportunity Employer.*

### ASSISTANT PROFESSOR Biological Chemistry/ Molecular Biology Institute University of California, Los Angeles

The Department of Biological Chemistry, the Molecular Biology Institute, and the UCLA-DOE Center for Genomics and Proteomics are jointly seeking a creative and effective Scientist in the area of novel chemical approaches to biochemistry and biology. The position is at the level of Assistant Professor, tenure track, but more advanced candidates may be considered under special circumstances. The newly faculty member will be expected to develop a strong research program and to participate in the educational programs of the Department of Biological Chemistry and the Molecular Biology Institute. Selection of candidates will begin on November 1, 2002, and will continue until the position is filled. Applicants should send curriculum vitae and summary of research interests and arrange for three letters of reference to be sent to:

**Dr. David Eisenberg**  
Chair, Search Committee  
Boyer Hall  
University of California, Los Angeles  
Los Angeles, CA 90095-1570

*The University of California, Los Angeles, is an Equal Opportunity Employer.*

### POSTDOCTORAL FELLOWSHIP POSITION Division of Rheumatology, Medical University of South Carolina

A Postdoctoral Fellowship position is available to study pathogenetic contributions to renal disease in lupus. The research project will depend on the experience of the individual. Experience in complement biology or inflammatory mediators a plus. Please contact:

**Gary S. Gilkeson, M.D.**  
Professor of Medicine, MUSC  
96 Jonathan Lucas Boulevard, Suite 912  
P.O. Box 250637  
Charleston, SC 29425  
E-mail: [gilkeson@muscd.edu](mailto:gilkeson@muscd.edu)

## POSITIONS OPEN

### POSTDOCTORAL POSITIONS Emory University School of Medicine Atlanta, Georgia

Postdoctoral applicants are sought for many newly available Postdoctoral positions in neuroscience, pharmacology, cancer biology, pathology, cell biology, signal transduction, physiology, immunology, and additional areas. Unique programs that combine mentored postdoctoral teaching experience with research training are also available.

Excellent full employee benefits with up to 9% university retirement contribution and competitive salaries are available. The Office of Postdoctoral Education (OPE) also provides services and programs to approximately 400 Postdoctoral Fellows in the School of Medicine.

Emory provides a well-funded, collaborative, state-of-the-art research environment enriched by nationally ranked clinical programs and interactions with adjoining Center for Disease Control and Yerkes. Atlanta offers diverse, affordable housing and all the entertainment options of a major metropolitan center.

See a comprehensive listing of Postdoctoral positions and combined teaching/research programs, links to faculty research pages, and information about postdoctoral benefits and OPE services at website: [http://www.emory.edu/WHSC/MED/POSTDOC/postdoc\\_openings.html](http://www.emory.edu/WHSC/MED/POSTDOC/postdoc_openings.html). Office of Postdoctoral Education, Emory University School of Medicine.

*An Equal Opportunity/Affirmative Action Employer.*

**PROPOSAL DEVELOPMENT COORDINATOR**, University of Nebraska—Lincoln Office of Research and Graduate Studies. The Coordinator oversees development, writing, and submittal of center, program project, and other multimillion dollar proposals to federal funding agencies and works closely with diverse groups including university faculty/administrators and representatives from the public and private sectors. Master's degree (preferably in the natural or physical sciences) plus five years of experience in proposal writing/development at a university required. Experience in developing and writing large multidisciplinary federal grants, especially to NIH, NSF, and/or Department of Education, is essential. Excellent benefits including employee/dependent tuition remission. Review of résumés begins September 23, 2002. Position will remain open until a suitable candidate is found. Submit cover letter; résumé; and the names, addresses, and telephone numbers of three professional references to: **Search Committee Chair, UNL, 308 Canfield, Lincoln, NE 68588-0433.** UNL is committed to Affirmative Action/Equal Employment Opportunity and Americans With Disabilities Act/504. If you require accommodation, please call Mari; Telephone: 402-472-3554.

Columbia's new Department of Ecology, Evolution, and Environmental Biology is seeking a **SENIOR ECOLOGIST** and **SENIOR EVOLUTIONARY BIOLOGIST**. In addition to their research and teaching contributions, these new faculty will play an important role in helping to shape the Department's future growth and development. Expressions of interest to: **Department Chair, DE3B, 1007 Schermerhorn Extension, Columbia University, New York, NY 10027.** *Columbia is an Equal Opportunity/Affirmative Action Employer.*

The Department of Biological Sciences at Salisbury University is accepting applications for a tenure-track position in human anatomy and physiology at the rank of **ASSISTANT PROFESSOR** starting fall 2003. A Ph.D. and evidence of the potential for excellence in teaching and research will be required. For further information, please see the Salisbury University website: <http://www.salisbury.edu/hr/Jobs/default.asp?search=faculty>.

## POSITIONS OPEN

### POSTDOCTORAL POSITIONS HIV Molecular Biology

Postdoctoral positions are available in the group headed by **Dr. Jonathan Karn**, who became Chairman of the Department of Molecular Biology and Microbiology at Case Western Reserve University in July 2002. The Department has strong ties to the CWRU Center for AIDS Research and the Center for RNA Molecular Biology and is currently undergoing a period of rapid expansion.

The work of the group focuses on the HIV regulatory protein Tat. Ongoing projects range from structural studies of the complexes formed between Tat, the Tat-associated kinase (TAK/p-TEFb), and their RNA-recognition sites to biochemical and genetic studies of the mechanisms of action of Tat. For a recent review and publications, see **Karn, J. Mol. Biol. 293:235-254, 1999; West and Karn, EMBO J. 18: 1378-1386, 1999; Isel and Karn, J. Mol. Biol. 290: 929-941, 1999; West and Karn, J. Virol. 75:8524-8537, 2001; Bourgeois et al., Mol. Cell. Biol. 22: 1079-1093, 2002; Kim et al., Mol. Cell. Biol. 22: 4622-4637.** Experience in the biochemistry of transcription, molecular virology, and/or gene expression in mammalian cells will be beneficial. Salary and benefits will be in keeping with NIH postdoctoral levels. Travel expenses will be provided. Interested applicants should send full curriculum vitae, reprints of no more than three papers, and the names and addresses of three professional references to:

**Dr. Peter Ecklund**  
Department of Molecular Biology  
and Microbiology  
Case Western Reserve University  
School of Medicine  
10900 Euclid Avenue  
Cleveland, OH 44106-4960  
FAX: 216-368-3055  
E-mail: [pse@po.cwru.edu](mailto:pse@po.cwru.edu)

Please respond by October 1, 2002. *Case Western Reserve is an Affirmative Action Employer.*

### BIOCHEMISTRY FACULTY POSITIONS University of Colorado, Boulder

The Department of Chemistry and Biochemistry invites applications for two tenure-track faculty positions in the Biochemistry Division. Candidates at the **ASSISTANT, ASSOCIATE, and FULL PROFESSOR** levels will be considered. Candidates must have a Ph.D. degree and enthusiasm for teaching chemistry or biochemistry at undergraduate and graduate levels and will be expected to develop an innovative research program in biochemistry. All areas of research will be considered.

Applicants should submit curriculum vitae, statement of research interests, statement of teaching interests, and arrange to have three letters of reference sent to: **Ms. Mable Stewart, Biochemistry Search Committee, Department of Chemistry and Biochemistry, University of Colorado, Boulder, CO 80309-0215.** For full consideration, applications should be received by November 22, 2002, although all applications will be reviewed until the positions are filled. *The University of Colorado at Boulder is committed to diversity and Equality in Education and Employment.*

**POSTDOCTORAL POSITION** to study the role of chromatin structure and gene expression in DNA repair in yeast, cell extracts, and mammalian cells (e.g., see *Prog. in Nucleic Acids Res. and Mol. Biol.* 62:227, 1999; *J. Biol. Chem.* 275:23729, 2000; *Proc. Natl. Acad. Sci. U.S.A.* 98:10113, 2001; *Proc. Natl. Acad. Sci. U.S.A.* 99:649-654, 2002). Training in biochemistry, biophysics, molecular biology, and/or molecular genetics is preferred. Send statement of interests, résumé, and names of three references to: **Dr. Michael J. Smerdon, Biochemistry and Biophysics, Director, School of Molecular Biosciences, Washington State University, Pullman, WA 99164-4660.** E-mail: [smerdon@mail.wsu.edu](mailto:smerdon@mail.wsu.edu); Telephone: 509-335-6853; FAX: 509-335-9688. *WSU is an Equal Opportunity/Affirmative Action Employer.*



# Creating the future of biotech—Together

**Invitrogen's Research Tools Development Grants Program** provides funding for investigators developing innovative tools for use in life science research, including investigators working in academics, not-for-profit institutions, and for-profit companies. Total funding is US\$5 million per year, with annual individual awards of up to US\$100,000. Grants are provided quarterly; each quarter focuses on a specific field of interest.

Fourth quarter 2002 funding is for the area of **amplification, labeling and quantitation** of nucleic acids—including proposals for the *in vitro* or *in vivo* applications of detection, expression, hybridization, microarrays, and screening. Deadline for full Grant Proposals is December 1. A preproposal is required prior to submitting a Grant Proposal. For more information, visit [www.invitrogen.com](http://www.invitrogen.com), e-mail [grants@invitrogen.com](mailto:grants@invitrogen.com), or call 800 955 6288, ext. 66140 (760 476 6140).

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## CONFERENCE

**A Conference of the Association of  
American Veterinary Medical Colleges**

**AGENDA FOR ACTION:  
VETERINARY MEDICINE'S ROLE IN  
BIODEFENSE AND PUBLIC HEALTH**

**November 1-3, 2002**

**Washington, DC**

Plenary presentations and breakout sessions will focus attention on the critical role that veterinary school faculty, veterinary colleges, and other organizations must take to meet the growing emergencies that this country must face in its biodefense, and especially how we can control both incidentally emerging and induced infectious diseases in both humans and animals.

Led by speakers of international renown, the conference will focus attention on the recruitment, motivation and education of veterinarians to meet these challenges of public health, and the role that veterinarians, both specialist and those in general practice, must play to combat both the deliberate release or spontaneous dissemination of infectious diseases, each of which poses major threats to animals and humans, and to national and global economies.

The conference will be held at the National Press Club and the JW Marriott Hotel, Washington DC. For the full conference program and information on hotel reservations, please refer to the web site [www.aavmc.org](http://www.aavmc.org).

The conference is generously supported by a grant from the Annenberg Sunnylands Trust to the University of Pennsylvania. Conference coordination is provided by the AAVMC.

## **ANNOUNCEMENT OF REQUEST FOR PROPOSALS (RFP): N01-CN-25026-76 PRECLINICAL *IN VITRO* AND *IN VIVO* SCREENING ASSAYS FOR CANCER PREVENTIVE AGENT DEVELOPMENT National Cancer Institute**

The Division of Cancer Prevention (DCP), National Cancer Institute (NCI) is seeking proposals from qualified organizations who have the ability to screen potential cancer preventive agents in a variety of *in vitro* and short-term *in vivo* assays and to establish the infrastructures composed of one or more collaborating institutions that will conduct these screening assays. The assays will assess the potential of various agents to inhibit, reverse, or delay the early process of carcinogenesis by evaluating the biologic effects of these agents on a variety of endpoints, such as for example, on specific molecular targets; on processes involved in the development and maintenance of carcinogenesis, *e.g.*, transformation, proliferation, and apoptosis; and on validating new assays and techniques, such as quantitative image analysis. For the *in vivo* tests a required endpoint shall be the histopathologic evaluation of cancers.

Application due date is **November 13, 2002**.

See the following website: <http://rcb.nci.nih.gov> under Current Requests for Proposals



## POSITIONS OPEN

**POSTDOCTORAL FELLOW POSITIONS** are available to investigate (1) Rac signaling in phagocytes and (2) structure and trafficking of the phagocyte NADPH oxidase complex. A combination of biochemical, genetic, and cell biologic approaches are used including use of knockout mice. Candidates should have M.D. and/or Ph.D. in a relevant field with experience in cell biology, molecular biology, or biochemistry as demonstrated by publications in peer-reviewed English-language journals. Send résumé and references to: **Mary C. Dinauer, M.D., Ph.D., Wells Center for Pediatric Research, Indiana University Medical School, 1044 West Walnut, Room 402A, Indianapolis, IN 46202. E-mail: mdinauer@iupui.edu; FAX: 317-274-8679.** Indiana University is an Equal Opportunity/Affirmative Action Employer, Educator, and Contractor (Minorities/Females/Disabled).

**POSTDOCTORAL POSITIONS** supported by the National Institutes of Health are available immediately for highly motivated individuals interested in (1) epithelial stem cell biology, (2) epithelial Toll-like receptors, (3) epithelial differentiation, and (4) cutaneous inflammation. Candidates should have a Ph.D., M.D., or M.D./Ph.D. degree with demonstrated molecular and cell biology expertise. Please send curriculum vitae, description of research interests, and names and e-mail addresses for three references to: **Robert M. Lavker, Ph.D., Department of Dermatology, The Feinberg School of Medicine, Northwestern University, Ward 9-124, 303 East Chicago Avenue, Chicago, IL 60611. E-mail: r-lavker@northwestern.edu.**

Northwestern University is an Equal Opportunity/Affirmative Action Employer; women and minority candidates are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

**POSTDOCTORAL POSITION** available to study thermodynamics; kinetics; and structure of proteins, nucleic acids, and protein nucleic-acid interactions in solution, particularly DNA polymerases and helicases. Some experience in fluorescence spectroscopy preferred. Competitive salary. Interested, qualified individuals send curriculum vitae and references to: **Dr. W. M. Bujalowski, Department of Human Biological Chemistry and Genetics, The University of Texas Medical Branch at Galveston, Galveston, TX 77555-1053. University of Texas Medical Branch is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Females/Veterans/Disabled. Only individuals authorized to work in the United States should apply.**

**POSTDOCTORAL POSITION** is available to study the proliferation capacity and radiobiology of human and murine hematopoietic stem cells. Applicants must have a recent Ph.D. degree and a strong background in cellular biology, especially extracellular markers and cell culturing. Send curriculum vitae and references to: **Professor Peter Mauch, M.D., Brigham and Women's Hospital, Department of Radiation Oncology, 75 Francis Street, ASB1, L2, Boston, MA 02115. FAX: 617-632-4115; e-mail: kalindi\_parmar@dfci.harvard.edu.**

## PROFESSORSHIP MIT's New Graduate Program in Science Writing

Massachusetts Institute of Technology's Program in Writing and Humanistic Studies in the School of Humanities, Arts, and Social Sciences seeks to hire a nontenured or tenured Professor in science writing to teach in its new graduate program in science writing. For details, see website: <http://web.mit.edu/sciwrite/>; Telephone: 617-253-7894.

## POSITIONS OPEN



## SCHOOL OF MEDICINE POSTDOCTORAL RESEARCH POSITION Department of Medicine Division of Endocrinology, Diabetes, and Metabolism Washington University School of Medicine

A Postdoctoral Research position is available immediately for a Ph.D. and/or M.D. interested in diabetes, insulin, secretion, and beta cell biology. Applicants should be familiar with techniques of cellular and molecular biology and have worked with transgenic mice. Please send curriculum vitae and references to: **Dr. Kenneth S. Polonsky, Washington University School of Medicine, 660 South Euclid, Campus Box 8066, St. Louis, MO 63110. E-mail: polonsky@im.wustl.edu.**

## POSTDOCTORAL FELLOWSHIP STEM CELLS Harvard University

Starting December 2002 on NIH-funded multidisciplinary project to conduct gene expression studies on embryonic stem cells in **Professor Douglas Melton's** group and to work with **Professor Wing Wong's** group on computational analysis. Information on these groups at websites: <http://mcb.harvard.edu/melton/> and <http://biosun1.harvard.edu/complab/>. Doctorate in molecular/cellular biology and tissue culture experience required. Familiarity with functional genomics data helpful. Minimum of a two-year commitment required. Send curriculum vitae and three references to: **D. Melton, Department of Molecular and Cellular Biology, Harvard University, Cambridge, MA 02138. E-mail: dmelton@mcb.harvard.edu; FAX: 617-495-8557** or to **W. Wong, Department of Statistics, Harvard University, Cambridge, MA 02138. E-mail: wwong@stat.harvard.edu; FAX: 617-496-8057.**

## POSTDOCTORAL POSITIONS Structural Biology: Macromolecular Machines

We explore the structure and dynamics of the translational apparatus and other molecular machines using three-dimensional cryoelectron microscopy (see News feature, *Nature* 417:894, 2002; **Frank and Agrawal, Nature** 406:318, 2000; **Spahn et al., Cell** 107:373, 2001). We seek enthusiastic Scientists with backgrounds in biology or physics who wish to get training in all aspects of cryo-EM with **Joachim Frank** and to participate in research at the frontier of biology. The positions are funded by the Howard Hughes Medical Institute and the National Institutes of Health. Please send your curriculum vitae and the names of three references to: **Beth Cavosie, HHMI, Wadsworth Center, P.O. Box 509, Albany, NY 12201-0509. FAX: 518-486-2191; e-mail: cavosie@wadsworth.org.**

## SENIOR POSTDOCTORAL POSITION Cardiac Metabolism

The laboratory works on molecular aspects of energy transfer in the heart. We study metabolic regulation of cardiac gene expression in clinically relevant models of hypertrophy, atrophy, diabetes, obesity, and heart failure. Experience in metabolic techniques, quantitative RT-PCR, EMSA, Western blotting, and cell culture techniques will be an advantage. These and other techniques will also be taught. Good communication skills are essential. The position is supported by grants from the NHLBI and is available immediately. Send a copy of your curriculum vitae as well as the names of three references to: **Heinrich Taegtmeyer, M.D., D. Phil., The University of Texas-Houston Medical School, Division of Cardiology, 6431 Fannin MSB 1.246, Houston, TX 77030 U.S.A. Telephone: 713-500-6569; FAX: 713-500-6556; e-mail: heinrich.taegtmeyer@uth.tmc.edu.**

## POSITIONS OPEN

## POSTDOCTORAL POSITION AVAILABLE Oregon National Primate Research Center Oregon Health and Science University

A Postdoctoral position is available immediately to study the role of a recently discovered group of proteases in the mammalian ovary. The project will utilize biochemical and genetic means to accomplish this goal. Studies will involve characterization of substrate specificity, cellular localization of expression, and quantitative analysis of expression as well as the generation of a targeting vector for homologous recombination. Position requires experience in basic molecular and cellular biology techniques. Significant experience in the generation of null mutant mice preferred. Send curriculum vitae and a list of at least three references to: **Dr. Jon Hennebold, Oregon National Primate Research Center, Oregon Health and Science University, 505 N.W. 185th Avenue, Beaverton, OR 97006. E-mail: hennelboj@ohsu.edu.** OHSU is an Affirmative Action/Equal Opportunity Employer.

## POSTDOCTORAL FELLOWSHIP Ca2+ Channel Physiology

Postdoctoral position available to study regulation and function of voltage-gated Ca2+ channels. Successful candidate will use molecular biology, viral gene delivery, electrophysiology, and photometry to study native and recombinant Ca2+ channels (**Colecraft et al., J. Neurosci.** 21:1137-1147, 2001; **Colecraft et al., J. Physiol.** 541:435-452, 2002). Experience in electrophysiology and/or molecular biology required. Salary and benefits package are both attractive. Send résumés and contact information of three references to: **Dr. Henry M. Colecraft, Johns Hopkins University School of Medicine, Department of Biomedical Engineering, 710 Traylor Building, 720 Rutland Avenue, Baltimore, MD 21205. E-mail: hcolecra@bmc.jhu.edu.**

**POSTDOCTORAL POSITIONS** available to study the regulation of nuclear function and gene expression by lipid mediators in lung disease (asthma and lung cancer). NIH-funded studies will use biochemical, molecular, and microarray approaches to examine the effects of arachidonic acid metabolites on gene expression. The ideal candidate has a strong background in cellular and molecular biology as applied to nuclear function. Interested applicants should send curriculum vitae with contact information for three references to: **Thomas G. Brock, Ph.D., University of Michigan Medical Center, Ann Arbor, MI 48109-0642. E-mail: brockco@umich.edu.** The University of Michigan is an Affirmative Action/Equal Opportunity Employer.

## TRAINING

### REPRODUCTIVE BIOLOGY

Highly qualified applicants are sought for the Graduate and Postdoctoral training program established by The Center for Reproductive Biology between Washington State University, Pullman, Washington, and the University of Idaho, Moscow, Idaho. The Center has 58 independent faculty and over 150 trainees and staff and integrates eight colleges and 15 departments. The interdisciplinary training program involves 15 different established degrees involving molecular, cellular, and physiological aspects of reproduction in areas such as gamete biology, mammary biology, cattle reproduction, reproductive toxicology, neuroendocrinology, gonadal biology, fish reproduction, plant reproduction, pregnancy/implantation, and reproductive medicine. The most competitive applicants that are U.S. citizens can qualify for Achievement Rewards for College Scientists (ARCS) Foundation graduate Fellowships. Individuals interested in training at one of the largest reproductive biology centers across in the country can obtain application information by viewing our website: <http://www.reproduction.wsu.edu> or writing to: **Training Program, Center for Reproductive Biology, Washington State University, Pullman, WA 99164-4231. E-mail: crb@mail.wsu.edu.** The UI and WSU are Affirmative Action/Equal Opportunity Employers.

## CONFERENCE



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**Symposium Chair:** Peng Liang

### **Scientific Advisory Board:**

Sydney Brenner, Arthur Pardee, Mark Davis,  
David Lockhart, Bert Vogelstein and Peng Liang

### **Confirmed Keynote Speakers** (Partial listing)

**Mark Davis** ..... **Stanford**  
*In Search of . . . T Cell Receptors*

**Arthur B. Pardee** ..... **Harvard**  
*Expression Genetics*

**Peng Liang** ..... **Vanderbilt**  
*A Decade of Differential Display*

**David J. Lockhart** ..... **Ambit Biosciences**  
*Gene Expression Analysis Using Oligo Arrays*

**Tom Gingeras** ..... **Affymetrix**  
*Large-Scale Transcriptional Activity in Chromosomes  
21 and 22*

**John Quackenbush** ..... **TIGR**  
*Into the Mine: Extracting Meaning for Gene  
Expression Data from DNA Microarrays*

**Lin Zhang** ..... **Johns Hopkins**  
*A SAGE View of Human Transcriptome*

**Rick Woychik** ..... **Lynx Therapeutics**  
*Massively Parallel Signature Sequencing (MPSS)*

**Richard Caprioli** ..... **Vanderbilt**  
*In vivo Profiling and Imaging of Proteins by Mass Spec*

**Reuven Agami** ..... **The Netherlands Cancer Inst.**  
*Mammalian Expression Vector for siRNA*

**Michael Q. Zhang** ..... **Cold Spring Harbor**  
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**1-3 DECEMBER 2002**

# International Workshop on Multi-locus Sequence Typing

**Hinxton Hall, Cambridgeshire**

Nucleotide sequence data have become an increasingly popular means of characterizing and typing bacterial pathogens. This workshop – jointly sponsored by the Wellcome Trust and the UK Public Health Laboratory Service (PHLS) – will review the current status of sequenced-based typing, in particular multi-locus sequence typing (MLST).

The primary aims of the meeting are to promote dialogue among individuals involved in academic research and public health action, and to discuss the further development of MLST and related approaches. In addition to scientific sessions that review conceptual and technical advances in the area, there will be discussion sessions that address issues pertinent to the use MLST for research and public health purposes, including: curation of databases; data release and accessibility; data interpretation and its application to the control of communicable diseases; and quality standards and accreditation.

The meeting will be multidisciplinary, and scientists and medical professionals involved in the analysis of sequence variation of bacterial pathogens, bacterial population studies, molecular epidemiology, disease surveillance and public health intervention are encouraged to attend.

There will be space for relevant poster presentations. The meeting will be limited to 120 participants to maintain a workshop character and promote discussion. A limited number of competitively awarded bursaries are available (covering registration and accommodation costs) for graduate students, new researchers and those in specific difficult circumstances who would be unable to attend without financial assistance.

**In all cases a CV and a short explanation of the value of the conference to the applicant, along with an abstract should reach us by Friday 18 October 2002.**

Enquiries: Elaine O'Brien

E-mail: [elaine.obrien@hinxton.wellcome.ac.uk](mailto:elaine.obrien@hinxton.wellcome.ac.uk)

Tel: +44 (0)1223 495110 Fax: +44 (0)1223 495023

Registration information: [www.wellcome.ac.uk/hinxton/mlst](http://www.wellcome.ac.uk/hinxton/mlst)

Venue information: [www.hinxton.wellcome.ac.uk](http://www.hinxton.wellcome.ac.uk)

### **Speakers will include:**

Mark Achtman  
(Berlin, Germany)  
Kate Dingle (Oxford, UK)  
Peter Donnelly (Oxford, UK)  
Mark Enright (Bath, UK)  
Daniel Falush (Berlin, Germany)  
Andrew Fox (PHLS, UK)

Matthias Frosch  
(Wuerzburg, Germany)  
John Green (PHLS, UK)  
Martin Maiden (Oxford, UK)  
James Musser (Hamilton, USA)  
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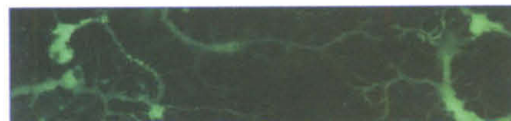
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