

# NEW PRODUCTS

## Maple 8.0 Waterloo Maple Inc.

Waterloo, Ontario  
Canada  
\$1695;  
upgrade from 7.0, \$595  
800-267-6583  
[www.maplesoft.com](http://www.maplesoft.com)

### ADVANCING MATHEMATICS

Maple 8 is software for doing mathematics, both numeric and symbolic, on the Windows (98 and above), Linux, and Unix platforms. This new package has much in the way of serious upgrades, making it useful to mathematicians, engineers, students, and scientists. Experienced users will appreciate its upgraded

vector calculus package, solvers for partial differential equations with boundary constraints, additions to the calculus of variations, and a package for introductory calculus. Nonmathematical support upgrades include a dialog interface to build complex plots, a spell-checker, the ability to e-mail a current worksheet, an enhanced math display, and Maplets—a Java-based technology that facilitates customization of the graphical user interface.

Upon first bootup, the user is presented with the main worksheet, context bar, and toolbar. Commands can be run from either a command line prompt or actual mathematical functions from the symbol palette, which includes symbols for vector and matrix notation, calculus, trigonometry, logarithms, roots, and special operators. To calculate a simple integral function, one set up the function with the palette and then prompted enter the highlighted variables sequentially. Once the user hits the enter key, the function is executed. Complex functions can be built from smaller units and executed in the same way. Portions of the worksheet may be annotated with text to create a report, and the text itself can be edited further. Complex expressions may be assigned names for easy referral in subsequent calculations.

One very nice feature is the ability to immediately generate a two- or three-dimensional plot of a function by right-clicking on it. The resultant plot may be edited in terms of color, style, and axes, and it can be rotated. The program is heavily command line-oriented however, and to solve the equations for such things as maxima and minima, it is important to learn the syntax. There are pleasant surprises, however, such as the ability to display a specific path on any graphic surface with a minimum of command line steps. To assist the scientist in routine problem solving, Maple has, readily available, over 13,000 constants for physics and chemistry. To export the results of a worksheet as an HTML file (as well as such popular mathematical formats as MathML, LaTeX, and XML) it is only necessary to use the "Export as" function from the toolbar.

The novice may be initially overwhelmed by programs such as this, but there are a variety of help functions incorporated into the package. The New User's Tour is a series of interactive worksheets that guides the novice through commands, numerical calculations, algebraic computations, graphics, statistics, calculus, programming, and several other instructive areas. The main help browser, which will be very familiar to users of other programs such as Mathematica, uses examples from worksheets and a Web site. The main documentation with the package is the Getting Started Guide and the Learning Guide. The first may be read once for an introduction to the keystrokes; the other can be consulted for details of various procedures. Each is clearly written and contains simple examples that are easy to follow. For maximal utility, a programming guide is also included to acquaint one with the language and syntax.

From the perspective of a mathematical statistician, this package has some distributions and analytic routines that will be of some use; however, from the standpoint of the applied statis-

tician, the same shortcomings are seen in Maple that are present in most software developed for general mathematics. These include limited testing capabilities, cumbersome data entry modes, and limited diagnostics. A user accustomed to commercial statistical packages will have to work a lot harder than usual to extract pertinent comparison data. That said, the rest of the user spectrum will probably be pleased with what is available.

The resources that support this package are constantly expanding and now include Web sites for additional applications, power tools, a student center, and a FAQ site. In addition, there are courses offered at various locations, an online users group, a newsletter, and a very helpful technical support staff. For those who need a powerful mathematics package with a user-friendly learning curve should contact the company for further information.

—John A. Wass

The author is at Pharmacogenetics, Abbott Laboratories, Abbott Park, IL 60064, USA. E-mail: [John.Wass@abbott.com](mailto:John.Wass@abbott.com)

## Bio-Rad Laboratories

For more information  
800-424-6723  
[www.bio-rad.com](http://www.bio-rad.com)

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## ABSORBANCE MICROPLATE READER

Model 680 is designed to offer value in a microplate absorbance reader in the low-priced segment of the market. It updates the popular Model

550 and offers new features, including fast reading speeds, extensive on-board software capabilities, on-board validation control, optional on-board printer, and optional temperature control. Model 680 reads an entire 96-well plate in 6 s in Fast Read mode and performs dual wavelength reads in 10 s.



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## RNA AMPLIFICATION

The Array-Amp Kit allows the amplification of minute quantities of messenger RNA, with which even after multiple amplification there is no size reduction of the amplification products, making the kit suitable for use in research in association with gene expression arrays and chips. The kit's technology is based on linear amplification of the initial mRNA and therefore allows the precise determination of alterations in gene expression starting from a few hundred cells, as provided, for example, by tissue biopsies or laser microdissection.

## CyBio

For more information  
+49 3641 35-10  
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## FLASH LUMINESCENCE READER

The new flash luminescence reader CyBi-Lumax D can increase speed and information content for microplate luminescence assays. Flash luminescence reactions, such as those used to analyze activation and inhibition of G-protein coupled receptors, last for only a few seconds, and therefore require simultaneous liquid injection and measurement. In the new reader, both processes are performed on multiple wells in

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parallel by a unique combination of imaging and dispensing technology that achieves short plate-reading times. The instrument can measure 384-well reactions in less than 3 min, including kinetic information that allows one to distinguish between specific and unspecific signals. A single-photon-counting intensified charge-coupled device (CCD) camera with fast optics ensures that the smallest amounts of light will be detected with high precision and reliability.

#### Stratagene

For more information

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

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produce virus particles. The complete system improves on the original AdEasy kit with special high-efficiency *Escherichia coli* and AD-293 cells for better production of virus particles. The system also features new shuttle vectors.

#### PerkinElmer Instruments

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productivity. Design quality, high-throughput optics, and double-beam operation offer high sensitivity and stability. The software mimics the workflow of a busy laboratory, guiding the user through simple steps for method development, results analysis, and reporting functions.

#### EPICENTRE

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restriction digests. The user simply picks a small portion of a colony off a plate, processes using the supplied reagents, and runs a standard agarose gel.

#### CyBio

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suitable for a number of applications, especially for high throughput applications in the volume range of 500 nl to 200 µl, such as preparation of assay plates, start or stop of assay reactions, polymerase chain reaction, or dilution of assays. A new three-dimensional drive moves the dispensing comb line-by-line within seconds and fills all plate formats with only one pump per solution, for a constant distribution and a low dead volume. Plate clamping with compressed air and a backlash-free carrier position ensure sub-millimeter accuracy.

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#### ADENOVIRAL VECTOR SYSTEM

The AdEasy XL adenoviral vector system has been improved to provide threefold higher efficiency, making it faster and easier to generate recombinant adenovirus and

#### UV/VIS SPECTROPHOTOMETRY ANALYSIS

The new Lambda Series with UV WinLab V4.00 software to simplify ultraviolet/visible spectrophotometry analysis delivers superior

productivity. Design quality, high-throughput optics, and double-beam operation offer high sensitivity and stability. The software mimics the workflow of a busy laboratory, guiding the user through simple steps for method development, results analysis, and reporting functions.

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The Colony Fast-Screen Kit provides a simple and rapid method for screening the insert size of any cloned DNA without the need for growing cultures and performing

restriction digests. The user simply picks a small portion of a colony off a plate, processes using the supplied reagents, and runs a standard agarose gel.

#### NON-CONTACT DISPENSER

The CyBi-Drop 3D offers precision in contact-free and therefore contamination-free dispensing of reagents, buffers, and solvents in all common plate formats. It is

suitable for a number of applications, especially for high throughput applications in the volume range of 500 nl to 200 µl, such as preparation of assay plates, start or stop of assay reactions, polymerase chain reaction, or dilution of assays. A new three-dimensional drive moves the dispensing comb line-by-line within seconds and fills all plate formats with only one pump per solution, for a constant distribution and a low dead volume. Plate clamping with compressed air and a backlash-free carrier position ensure sub-millimeter accuracy.

#### HIGH-FIDELITY DNA POLYMERASE

*PfuUltra* high-fidelity DNA polymerase, an error-free polymerase chain reaction (PCR) enzyme, is

three times more accurate than any other thermostable polymerase, according to the manufacturer. *PfuUltra* DNA polymerase is formulated with a new genetically engineered mutant of *Pfu* DNA polymerase, which increases accuracy threefold over *PfuTurbo* DNA polymerase. It also includes Stratagene's patented ArchaeMaxx polymerase-enhancing factor, which prevents poisoning of archaeal polymerase reactions and ensures robust PCR product yield and amplification of long genomic targets. *PfuUltra* high-fidelity DNA polymerase is recommended for PCR cloning, site-directed mutagenesis, and reverse transcription-PCR, where incorporation accuracy is critical.

#### BD Biosciences

For more information

650-424-8222

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

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with any thermostable polymerase and does not require blunt end polishing or the presence of A-overhangs. The system allows the user to rapidly generate precise, directional constructs ready for expression analysis.

#### Electron Microscopy Sciences

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staining, dehydration, decalcification, impregnation, polymerization, immunohistochemistry, and immunocytochemistry. The unit offers a significant reduction in processing times while obtaining improved results. The EMS 9000 features variable wattage, user programmable presets, a bubble manifold for five tubes, a forced exhaust system, a vacuum system for rapid infiltration, a load cooler, a circulation system, three different timer modes, and more.



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anywhere lubricants are required to withstand aggressive chemicals. Halocarbon greases are commonly used in laboratory apparatus such as stopcock and ground joint lubricants and seals. They are compatible with oxygen, chlorine, fluorine, sulfuric acid, nitric acid, and many other aggressive materials. The brochure is a comprehensive source of information on chemical composition, physical properties, material compatibility, and quality assurance.

#### LITERATURE

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Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the 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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## POSITIONS OPEN

### ASSOCIATE/FULL PROFESSOR OF ZOOLOGY

The Department of Zoology at Southern Illinois University Carbondale invites applications for a tenure-track/tenured position at the Associate or Full Professor level. We seek a colleague with an established and productive research program to join a nationally recognized zoology department. Our department is being expanded as part of the university's strategic hire initiative as SIUC moves toward its goal of becoming one of the top research universities in the nation. The area of specialization is open but candidates should complement one or more of the Department's current strengths in molecular and morphological systematics, population genetics, wildlife ecology, fisheries biology, aquatic and terrestrial ecology, toxicology, and conservation biology. Identified areas of interest include but are not limited to physiological ecology, functional genomics, and molecular epidemiology. The successful candidate will be expected to maintain an externally funded research program and supervise M.S. and Ph.D. students. Teaching duties include undergraduate and graduate courses related to the area of specialization. Candidates must have a Ph.D. in an appropriate field and professional accomplishments consistent with appointment at a senior faculty rank. Earliest start date is August 2003. Applicants must submit a cover letter, statements of research and teaching interests and capabilities, curriculum vitae, and contact information for five professional references to: **Dr. Carey Krajewski, Zoology Search Committee Chair, Department of Zoology, Southern Illinois University, Carbondale, IL 62901-6501.** Review of applications will begin February 2003 and continue until the position is filled. Information about the Department and university can be found at website: <http://www.science.siu.edu/zoology>. E-mail inquiries should be directed to: **Search Committee Chair; e-mail: [careyk@siu.edu](mailto:careyk@siu.edu).** SIUC is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

### FACULTY POSITION Microbial Ecology/Physiology

Miami University invites applications for a tenure-track **ASSISTANT PROFESSOR** position in microbiology with a research emphasis in microbial ecology and/or microbial physiology to begin in August 2003. Applicants must have a Doctorate in microbiology or closely related field and postdoctoral research experience. Responsibilities will include maintaining an externally funded, research-active laboratory; directing M.S. and Ph.D. students; teaching undergraduate and graduate courses including microbial physiology; and service to the University. More information about the Department of Microbiology and Miami University is available at website: <http://www.cas.muohio.edu/micro/>. Screening of applications will begin on December 1, 2002, and continue until the position is filled. Applicants should submit curriculum vitae, up to three reprints, statement of research goals, statement of teaching philosophy, and have three letters of reference sent to: **Dr. Gary R. Janssen, Department of Microbiology, Miami University, Oxford, OH 45056. E-mail: [janssegr@muohio.edu](mailto:janssegr@muohio.edu).** Miami University is an Equal Opportunity/Affirmative Action Employer.

### TENURE-TRACK FACULTY POSITION Point Loma Nazarene University San Diego, California

The Biology Department invites applications for a tenure-track position for an Ecologist or Animal Behaviorist to begin mid-August 2003. Responsibilities include teaching courses for upper-division majors in biology, courses in nonmajors biology, and active participation in a vigorous summer undergraduate research program. Ph.D. is required; postdoctoral research experience is preferred. For details and application instructions, go to website: <http://www.ptloma.edu/academicaffairs/Faculty/FacultyOpenings.htm>. Point Loma Nazarene University is a Christian undergraduate liberal arts institution in the evangelical and Wesleyan tradition.

## POSITIONS OPEN

### RESEARCH ASSISTANT PROFESSOR Departments of Biochemistry and Medicinal Chemistry

A Research Faculty position is available in the general area of biological mass spectrometry with emphasis on peptides and proteins. Primary responsibility will be to manage the core facility in biological mass spectrometry at the University of Utah and to collaborate with Scientists in the School of Medicine and elsewhere. Present instrumentation includes MALDI-TOF, ESI-MS, and LC/ESI-MS/MS systems; acquisition of additional instrumentation is planned. Applicants should hold a Doctoral degree and have a strong record of research accomplishment in biological mass spectrometry. An appointment will be made at the level of Research Assistant Professor but candidates at other ranks will also be considered as appropriate. The successful candidate will join an interactive and diverse faculty and will participate in campuswide research and training programs. Send curriculum vitae, a statement of research background and interests, and three letters of recommendation to:

**Professor Wes Sundquist, Chair  
MS Facility Search Committee  
University of Utah  
Department of Biochemistry, Room 211  
20 North 1900 East  
Salt Lake City, UT 84132 U.S.A.**

Deadline for applications is December 15, 2002. Late applications will be considered if an opening is still available. *The University of Utah is an Equal Opportunity/Affirmative Action Employer; encourages applications from women and minorities; and seeks to provide Equal Access to its programs, services, and activities to people with disabilities.*

### ASSISTANT PROFESSOR Animal Molecular Genetics Colorado State University

We seek a Molecular Biologist who studies genetic mechanisms in animals and who has interests in areas such as but not limited to gene regulation, cellular differentiation, signal transduction, and cell-cell interactions. This tenure-track position involves undergraduate and graduate education, research, and service/outreach.

Applicants should have a Ph.D. and postdoctoral research experience together with a strong publication record in the area of animal molecular genetics. To receive full consideration, send statements of scholarly interest, teaching interests and philosophy, curriculum vitae, names of three references, and publications to: **Animal Molecular Geneticist Search Committee, Department of Biology, Colorado State University, Fort Collins, CO 80523 by 1 February 2003. Website: <http://www.colostate.edu/Depts/Biology/geneticsearch.html>.**

CSU is an Affirmative Action/Equal Opportunity Employer. Office of Equal Opportunity, 101 Student Services. Professional couples are welcome to apply.

### MASSACHUSETTS GENERAL HOSPITAL HARVARD MEDICAL SCHOOL

The Massachusetts General Hospital (MGH) Division of Hematology/Oncology and Cancer Center invite applications for the position of **DIRECTOR OF LEUKEMIA RESEARCH**. Board-certified Hematologists/Oncologists acting as Principal Investigators at the **ASSOCIATE PROFESSOR** level are encouraged to apply. A record of program development and success in basic research with translational links to patient care is required. Emphasis is placed on the ability to foster interaction between laboratory and clinical investigators and to build cooperative teams. This position includes joint research activities with the Dana-Farber Cancer Institute and Brigham and Women's Hospital. Please submit a letter describing qualifications, with curriculum vitae and names of three references to: **Dr. Bruce Chabner, Chief of Hematology/Oncology, Massachusetts General Hospital, 100 Blossom Street, Cox 640, Boston, MA 02114-2617.** MGH is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are urged to apply.



# Career Fair

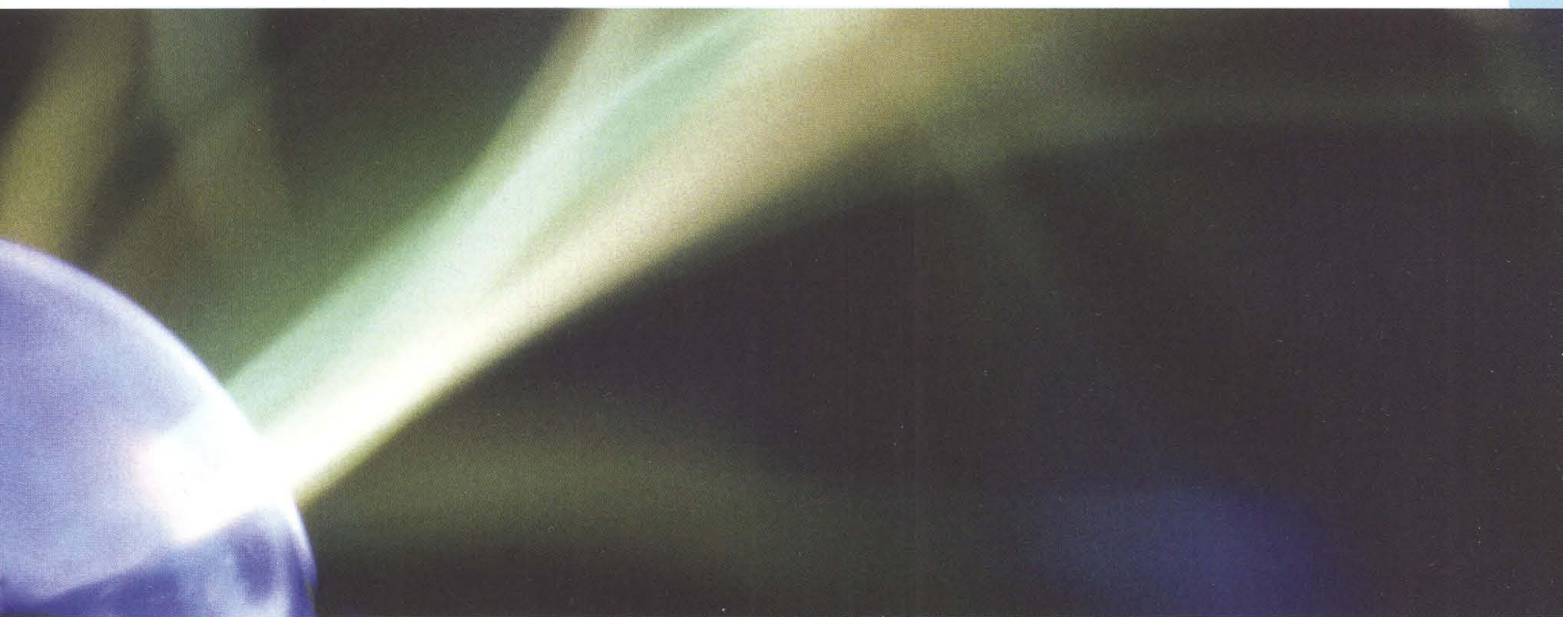
December 9, 2002

9:00 am – 5:00 pm

University Park HOTEL @ MIT  
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## TENURE-TRACK FACULTY POSITIONS IN THE RELATIONSHIP OF PROTEIN SYNTHESIS OR PROTEOMICS TO CANCER

The Feist-Weiller Cancer Center at Louisiana State University Health Sciences Center-Shreveport is engaged in a major expansion of its basic and clinical research programs in Translational Control of Gene Expression in Cancer, Viral Oncology, Transcriptional Control of Gene Expression, and Invasion and Metastasis. The mission of the FWCC is to foster interdisciplinary approaches to translational cancer research with emphasis in breast, prostate, head and neck, and lung cancers. In order to accomplish this, the FWCC hopes to recruit several new faculty members with cancer-related research interests into existing basic science departments. The Translational Control Group has developed primarily from research efforts in the Department of Biochemistry and Molecular Biology and grown into an active interdisciplinary group of clinicians and basic scientists with common research interests. The mission of the Group is to bring "translation modifiers" to clinical use. The successful candidate will be expected to develop a strong, extramurally funded research program as well as teach both medical and graduate students. Applicants should have a doctoral degree, postdoctoral research experience in molecular approaches to cancer biology involving protein synthesis or proteomics, and a commitment to excellence in both teaching and research. The FWCC will provide a competitive start-up package including technical support and start-up funds.

Current members of the Translational Control Group:

- Robert E. Rhoads, Ph.D., Biochemistry and Molecular Biology (initiation of protein synthesis and cancer)
- Arrigo De Benedetti, Ph.D., Biochemistry and Molecular Biology (eIF4E and radioresistance of breast cancer)
- Benjamin D. L. Li, M.D., Surgery (eIF4E as a prognostic marker in breast cancer)
- Cherie-Ann Nathan, M.D., Otolaryngology (eIF4E and radioresistance in head/neck cancers; gene therapy)
- Brett Keiper, Ph.D., Biochemistry and Molecular Biology (eIF4G in cancer; siRNA)
- Michael Mathis, Ph.D., Anatomy and Cellular Biology (gene therapy vector development)
- B. Jill Williams, Ph.D., Urology/Biochemistry and Molecular Biology (eIF4E in prostate and bladder tumor progression; gene therapy)

The LSUHSC-S maintains new, state-of-the-art institutional core facilities including gene array, 2-D gel electrophoresis and MALDI-TOF mass spectrometry, flow cytometry, confocal and epifluorescence digital imaging, real-time PCR, laser capture microdissection, and tissue procurement and processing. In addition to the FWCC's clinical Cancer Center building under construction, the Health Sciences Center campus includes a major regional University hospital and various clinics, School of Medicine, School of Graduate Studies, School of Allied Health, Biomedical Research Institute, and five academic basic science departments. Shreveport, located in the Northwest corner of Louisiana, is undergoing large-scale economic development focused on biotechnology and health sciences. The area also has diverse leisure activities, as well as a relatively low cost of living.

Applications are invited for two tenure-track faculty positions at the rank of **ASSISTANT, ASSOCIATE, OR FULL PROFESSOR**. More information can be found on Departmental <http://www.softdisk.com/sites/bchem/>) or FWCC (<http://www.cancercenter.lsumc.edu/>) websites. Review of applications will begin in January 2003. Please send curriculum vitae, a brief statement of current and future research interests, and the names of three referees to:

**Robert E. Rhoads, Ph.D., Professor and Head, Department of Biochemistry and Molecular Biology, or Jonathan Glass, M.D., Professor and Director, Feist-Weiller Cancer Center, Louisiana State University Health Sciences Center, 1501 Kings Highway, Shreveport, LA 71130 - 3932**

*LSUHSC-S is an Equal Opportunity/Affirmative Action Employer.*



## Tenure Track Faculty Positions Department of Physiology and Cell Biology The Ohio State University College of Medicine and Public Health

The Department of Physiology and Cell Biology at The Ohio State University continues to expand its faculty recruitment. We are especially seeking to make appointments (1) in the area of cell motility, cytoskeleton, protein trafficking with expertise in imaging; (2) in functional genomics and/or proteomics; (3) in cardiovascular biology and pathophysiology with an interest in ion transport or signaling mechanisms regulating cardiac function. Preference will be given to faculty with innovative tools and techniques in cell biology and physiology. The successful candidates will have an established externally funded research program or the ability to establish one. Outstanding applicants will be considered at the level of Associate or Full Professor. Faculty will be expected to collaborate with members of the department and to participate in the teaching activities of the Department as appropriate. Review of applications will begin January, 2003. Qualified individuals should send their curriculum vitae, the names and addresses of four references, a statement of current research interests and future goals to: **Muthu Periasamy, Ph.D, Chair, Dept. of Physiology and Cell Biology, The Ohio State University, 304 Hamilton Hall, Columbus, OH 43210-1218. Website: <http://medicine.osu.edu/physiology/>.**

*The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.*



**Conforma Therapeutics** is an exciting, early-stage biopharmaceutical company pioneering

a novel approach to the design and development of small molecule drugs for the treatment of cancer. The company is located in a state-of-the-art facility in San Diego and is privately held.

Conforma is developing a novel class of antitumor agents that act via effects on the HSP90 family of cellular chaperones. Our lead compounds exhibit robust in vivo antitumor activity in a multiple of xenograft models. During the next year, we will continue key animal testing in support of our first IND and begin characterization of classes of chaperone antagonists. We will also begin testing the role of HSP90-directed drugs in additional disease models.

**CANCER PHARMACOLOGIST** - A position is available for an individual with Ph.D. and post-doctoral experience in cancer biology. Extensive hands-on experience with animal models of cancer required. Applicant should also have a broad knowledge of signal transduction mechanisms. This position will be a key interface between Discovery Biology and the Medicinal Chemistry and Preclinical Development groups. Ideal candidate will have a strong desire to work in a team-oriented, applied environment where the goal is to provide new, effective medicines to patients.

Interested candidates should forward their curriculum vitae referencing **Position No. 02-021** by surface mail or e-mail to **Human Resources, Conforma Therapeutics Corporation, 9393 Towne Centre Drive, Suite 240, San Diego, CA 92121 or [HRBiology@conformacorp.com](mailto:HRBiology@conformacorp.com).**

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



Department of Health And Human Services  
National Institutes of Health  
National Center on Minority Health and Health Disparities

## Director, Division of Research and Training Activities

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 and Centers.

The National Center on Minority Health and Health Disparities invites outstanding candidates to apply for the position of Director, Division of Research and Training Activities. The primary responsibility of this position is to oversee program activities for minority health and health disparities research, research training, capacity building, and outreach. This includes planning, directing, and evaluating a coordinated program of basic and targeted research projects, cooperative clinical trials, and providing scientific and managerial evaluation of program accomplishments in the attainment of the division's objectives.

This Division includes the A) Office of Research which is responsible for improving the effectiveness of all NIH programs aimed at increasing NIH-supported research on diseases and conditions that disproportionately affect racial and ethnic minorities and other "health disparity groups"; and creating initiatives to enhance inclusion as well as targeted minority health research and research on other health disparities; B) Office of Community-Based Research and Outreach which provides leadership in developing and implementing partnership initiatives to promote cooperation among Federal agencies, state, local, tribal, and regional public health agencies, and private entities in minority health research and research on other health disparities; and C) Office of Capacity Building which provides the overall planning, development, direction, evaluation, and administration of a comprehensive and diverse extramural program that includes research endowments, loan repayment programs, centers of excellence for research education and training, research infrastructure development, faculty career development, and individual and institutional training opportunities for students in the biomedical, biobehavioral and social sciences.

Candidates must have a M.D. or Ph.D. and have professional experience that demonstrates extensive scientific expertise and the management of large and diverse research and research training programs having national or international collaborations, scope, and impact; and have the leadership qualities required for the position.

Salary is commensurate with research experience and accomplishments, and a full Civil Service package of benefits (including retirement, health, life and long term care insurance, Thrift Savings Plan participation, etc.) is available.

Applicants should send curriculum vitae and statement describing relevant research experience as well as management and leadership abilities to:

Robb Irvin  
OD/ORS Human Resources Operations Branch  
31 Center Drive MSC 2157  
Building 31, Room 4B41  
Bethesda, MD 20895-2157  
301-402-1528

<http://www.nih.gov/about/#employ>

*Applications must be postmarked by: December 18, 2002*

*DHHS and NIH are Equal Opportunity Employers*







NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH

# Career Fair

December 9, 2002

9:00 am – 5:00 pm

University Park HOTEL @ MIT

20 Sidney Street, Cambridge, MA 617-577-0200

Speakers include:

Kate Walsh, *Chief Operating Officer*

Dalia Cohen, *Head, Functional Genomics*

Tom Hughes, *Head, Diabetes Research*

Manuel Peitsch, *Head, Information and Knowledge Management*

The opening of our new world research headquarters in Cambridge is just the start of our efforts to globally redefine drug discovery. Come see how you can be part of our vision for the post-genomic era.

Focusing on unmet needs in key therapeutic areas, we have newly created positions for:

Geneticists	Bioinformatics specialists
Biochemists	Automation specialists
Medicinal chemists	Program managers
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Visit [www.novartis.com/research](http://www.novartis.com/research)  
to view job descriptions and apply.





## work $\Rightarrow$ satisfaction

Science is all about making connections. Each discovery builds on those that came before it, and every idea requires a body of knowledge built up over a lifetime. Life is like that, too. The connections you make with people and places are what make you feel part of something larger than yourself. And that's the feeling you get at Roche. Not only do you get to share ideas with some of the best minds in the world, you get to share your days with some of the best people in the world, and still have plenty of time left over for the other things in your life that you enjoy.

We currently have the following position available in our **Nutley, NJ** location:

### **Toxicologist, Nonclinical Drug Safety** **Position Code: 956**

The successful candidate will advise and provide strategic planning and effective management to designated toxicology programs necessary to support the selection and timely development of potential drug candidates. In this role, you will be responsible for coordinating local and international toxicological compound discovery and development activities both within Roche and externally with contract laboratories, consultants and development partners. You will also be expected to prepare contributions to internal and regulatory documents and to provide oversight and assistance in the planning and interpretation of reproductive toxicology studies.

To qualify for this exciting position, you must have a DVM, PhD or an equivalent advanced degree along with experience in toxicology or a related field. At least 5 years' toxicology experience in drug development and a demonstrated ability to manage multiple scientific projects and make sound scientific interpretations and judgments are required. Strong interpersonal, supervisory, collaborative problem solving, team management and oral and written communication skills are necessary in this role. Experience in developmental and reproductive toxicology is also highly desirable.

To apply online, visit our website at: **www.rocheusa.com** and enter position code 956. You may also e-mail your resume to: **Roche@international-data.com** Please include position code 956 and source code SCI1122 in the subject line of your e-mail. No agencies please.



*It's all connected.*

Hoffmann - La Roche is an equal opportunity employer, fully committed to workplace diversity.

**www.rocheusa.com**

## Opportunities in Cellular Imaging

Pacific Northwest National Laboratory is building a multidisciplinary research program in Systems Biology (<http://www.biomolecular.org/>) in which imaging technologies will play a central role. We invite applications from senior and mid-level Ph.D. level scientists with experience in using advanced imaging approaches to study important biological problems and who can extend our current strengths in high speed multispectral imaging, single molecule and multiphoton microscopy and multimodal imaging technologies. Individuals that value interdisciplinary research with a record of technical leadership in cell imaging are particularly encouraged. Successful candidates will participate in a major laboratory initiative in post-genomic sciences at the interface of experimental biology, physical-chemical and computational sciences, with the goal of elucidating how cells sense, integrate, and respond to changes in their local environment. Individuals who utilize advanced imaging technologies to investigate dynamic signaling processes in either eukaryotic or prokaryotic cells, as well as individuals interested in development of novel approaches for imaging cellular and microbial community processes are invited to apply. Please address technical questions to **Dr. Steven Wiley** at **Steven.Wiley@pnl.gov**.

Please submit resumes to: <http://jobs.pnl.gov/jobs.asp?req=104972>.

Interested individuals should also send a list of publications, statement of professional goals and research interests, and three letters of recommendation to:

**Anna Mitson, Staffing Specialist**  
**Pacific Northwest National Laboratory**  
**P.O. Box 999 MSIN K9-21**  
**Richland, WA 99352**

**Pacific Northwest  
National Laboratory**

Operated by Battelle for the  
U.S. Department of Energy

**The Children's Cancer Research Institute (CCRI) of The University of Texas Health Science Center at San Antonio (UTHSCSA)**, together with other academic departments (Microbiology, Cellular and Structural Biology, Biochemistry, Pediatrics, and Medicine), is seeking outstanding candidates (Ph.D., M.D./Ph.D. or M.D.) for two tenure or tenure-track positions at Assistant/Associate/Full Professor levels for its Tumor Virology Program (TVP). TVP was established to create and develop a world-class program of excellence focusing on viral oncogenesis. TVP is dedicated to cutting edge discovery and research, and innovative approaches for deciphering the molecular mechanisms by which viruses evade host antiviral defenses, promote cell growth and survival, stimulate oncogenic/mitogenic pathways, inhibit tumor suppressor pathways, and deregulate cellular transcription program.

Applicants must have high quality peer-reviewed publications, evidence of independent research and competitive funding potential. CCRI seeks individuals who have demonstrated the ability to direct innovative independent research that complements current areas of focus within TVP. The positions offer significant scientific resources and an attractive start-up support package. CCRI is funded by a \$200 million endowment from the State of Texas tobacco settlement and will occupy a newly constructed, state-of-the-art laboratory building in 2003-2004. Successful applicants will join a multidisciplinary team of researchers in CCRI as part of an ongoing programmatic expansion. The medical center has extensive facilities that include confocal and electron microscopy, NMR spectroscopy, X-ray crystallography, surface plasmon resonance, mass spectrometry, oligonucleotide/peptide synthesis, transgenic mouse facility, high-level computing, FACS, and microarray facility. Review begins on **January 15, 2003** and continues until positions are filled.

Applicants should send a curriculum vitae, a description of research plans, and three letters of reference to:

**Shou-Jiang Gao, PhD, Chair of TVP Search Committee, CCRI**  
**Mail Code 7784**  
**7703 Floyd Curl Dr.**  
**San Antonio, TX 78229-3900**

*UTHSCSA is an Equal Employment Opportunity/  
Affirmative Action Employer.*



**Department of Health and Human Services  
National Institutes of Health  
National Institute of Mental Health**

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 National Institute of Mental Health (NIMH), a major research component of the National Institutes of Health (NIH) and the Department of Health and Human Services, is recruiting for a post-doctoral candidate with research interests focus on elucidation of neural mechanisms of higher cognitive function, such as learning and memory. In particular, Cre/loxP or inducible genetic technology, rodent genetic techniques, brain histology, rodent behavioral analyses, and in vivo multi-electrode recording techniques on awake behaving genetically-engineered animals will be used for comprehensive analyses of brain-region restricted transgenic animals. This position is located in the unit on the Genetics of Cognition and Behavior within the Mood and Anxiety Disorders Program, an inter-disciplinary teams consisting of computer scientists, physiologists, behavioral neuroscientists, and molecular biologists. The ideal candidate will have PhD or equivalent in molecular neuroscience, in vivo physiologist or related field and he/she will have the opportunity to work with large, existing datasets in an exciting environment. This position is located within the NIMH Intramural Research Program, in Bethesda, MD, USA. Salary will commensurate with NIH guidelines and experience.

For additional information on this position, and for instructions on submitting your application, please see our website, at <http://www.training.nih.gov/>



**DHHS and NIH are Equal Opportunity Employers**



**CELL BIOLOGY FACULTY POSITION  
Wellman Laboratories of Photomedicine  
Massachusetts General Hospital  
Harvard Medical School**

Applications are invited from candidates focusing on basic problems in tumor immunology, cellular stress responses or vascular biology. The Wellman Laboratories is a 120-member multidisciplinary research unit in a technology-rich medical school environment. The Laboratories offer unique capabilities in microscopies and optical technologies for application in biology. Ongoing research includes fundamental and translational programs in photodynamic therapy, responses to oxidative stress, melanoma genetics, skin photoaging, in vivo microscopies, diagnostic imaging technologies and medical laser applications. The Wellman faculty are integrated with basic science and medical departments in the Boston area and the Laboratories support an active program for graduate student recruitment.

Applicants should have a record of research accomplishment and the ability to develop and maintain an innovative, extramurally funded research program. Please send curriculum vitae, list of references and statement of research interests and proposed directions to: **Dr. John A. Parrish, Wellman Laboratories of Photomedicine, Massachusetts General Hospital, BAR 608, 40 Blossom Street, Boston, MA 02114.** <http://www.mgh.harvard.edu/wellman>.

*Massachusetts General Hospital is an Equal Opportunity/Affirmative Action Employer.*



**Postdoctoral Research Fellowships  
Ph.D. Student Fellowships  
Service Scientist  
Programmers**

The newly established Computational Biology Unit (CBU) at the University of Bergen (UoB), Norway, has several open positions for postdoctoral scientists, Ph.D. students, a service scientist and programmers in

**computational biology / bioinformatics.**

At present, CBU consists of two research groups while a third group is being planned. Research in the group of **David Liberles** is focused on computational/comparative genomic approaches to detecting the molecular basis of species diversification under selective pressure. Research in the group of **Rein Aasland** is focused on improved methods for functional annotation of proteins, with particular emphasis on processes related to gene regulation and the cell nucleus. For more information, see <http://bccs.unifob.no/cbu/>.

CBU is a unit at the Bergen Center for Computational Science (BCCS) and is located next to the Bioinformatics group at the UoB Department of Informatics and an extensive environment for molecular biology research in the Bergen High Technology Centre. CBU has access to advanced computational resources including an IBM 1300 LINUX cluster and an IBM p690 Regatta supercomputer.

CBU was recently selected to host the national bioinformatics platform in the Norwegian program for research in functional genomics (FUGE).

The Ph.D. fellowships are for 3-4 years while the postdoctoral fellowships and programmer positions are for 2 years with possibilities for prolongation. CBU offers competitive salaries and a modern research environment. The location in the coastal city of Bergen offer the opportunity to live by the beautiful fjords of Norway.

The first positions are open from February 1. 2003, with an application deadline of January 5 2003. Further applications will be considered on a continuous basis until all positions are filled.

Please send your CV and three letters of recommendation to Computational Biology Unit, Bergen Center for Computational Science, High Technology Center, N-5020 Bergen, Norway.

Direct enquires to Rein Aasland: [aasland@cbu.uib.no](mailto:aasland@cbu.uib.no) / phone: +47 55584531 or David Liberles: [liberles@cbu.uib.no](mailto:liberles@cbu.uib.no)

## University of Toronto Faculty of Forestry

### Tier I Canada Research Chair Carbon Sequestration and Forest Management

The Faculty of Forestry, University of Toronto, invites applications for a new Tier I Canada Research Chair in Carbon Sequestration and Forest Management. The Canada Research Chair program was established to promote the recruitment of exceptional scholars; Tier I chairs are intended for senior scholars of established international reputation.

The primary focus of the Faculty of Forestry is on graduate teaching and research, with strong doctoral research programs in forest ecology, forest policy and management, and wood product development. The Faculty also offers master's programs in Forest Conservation and Wood Product Engineering, and undergraduate programs in Forest Conservation Science.

We need an outstanding scholar to spearhead a vigorous research program linking forest carbon dynamics to innovative forest management. Relevant fields include forest ecosystem carbon dynamics, carbon cycle modeling and/or carbon budget accounting, the development of forest management policies or silvicultural practices which optimize carbon sequestration and storage, and forest responses to global change. Strong interest in boreal forests will be particularly welcome. The appointee would join a strong group of scholars in the University to form a research cluster of international significance.

The appointment will be in the tenure-stream, effective as soon as possible after July 1, 2003. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. Enquiries about the Faculty of Forestry are welcomed; information may also be obtained at <http://www.forestry.utoronto.ca>. Applications with a detailed curriculum vitae and the names of six referees should be submitted by mail or electronically before March 3, 2003 to: **Professor Rorke Bryan, Dean, Faculty of Forestry, University of Toronto, 33 Willcocks Street, Toronto, Ontario M5S 3B3 Canada** or [joan.bunyan@utoronto.ca](mailto:joan.bunyan@utoronto.ca).

*The University of Toronto is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups and others who may contribute to further diversification of ideas.*

### National Institute for Occupational Safety and Health (NIOSH) National Personal Protective Technology Laboratory (NPPTL)

The National Personal Protective Technology Laboratory (a division of The Centers for Disease Control and Prevention's National Institute for Occupational Safety and Health) is seeking an individual to serve as Chief, of the Technology Branch. This position has responsibility for planning and directing basic and applied laboratory and field research investigation into personal protective technologies (PPT) such as chemical protective clothing, protective devices, respirators and developing innovative technology and evaluation methods. The incumbent will manage and provide technical guidance to research aimed at developing and evaluating personal protective equipment and detector technologies for all workers including emergency responders. The incumbent will also personally act as Principal Investigator in one or more of the following areas: sensor technologies, protective clothing and/or respiratory protection. Provides administrative and technical supervision, through subordinate supervisors, necessary for accomplishing the work of the branch. Responsible for the complete management of the Branch's research program, including development of the proposals, budgetary matters, and ensuring that research facilities are utilized to the fullest extent possible. Exercises the full range of supervisory authorities and responsibilities involving work assignment and review, as well as the administrative and personnel management functions relative to the staff supervised. Authors manuscripts and peer-reviewed journal articles and makes oral presentations at scientific meetings.

The position has specific qualification requirements that must be met in order to be considered qualified. To request application materials, contact (412) 386-6769. All application materials must be postmarked by **January 3, 2003**. A full copy of the vacancy announcement is also available at <http://jsearch.usajobs.opm.gov/ftva.asp?OPMControl=TT8038> or <http://jsearch.usajobs.opm.gov/ftva.asp?OPMControl=TT8039>.

*CDC/NIOSH is an Equal Opportunity Employer. Women and minority candidates are encouraged to apply. CDC offers a smoke-free environment.*

### MARINE PHYCOLOGY POSITION

The Department of Marine Biology at Texas A&M University at Galveston (TAMUG) invites applications for a tenure track assistant professor position, with specialization in marine phycology, beginning September, 2003. Qualifications include a Ph.D. in the biological sciences, with specialization in phytoplankton or benthic algae. Postdoctoral research and teaching experience are desirable. Nine months salary is provided by the University, with summer salary generated from extramural sources or, if funds are available, teaching. Responsibilities include teaching undergraduate and graduate courses in phycology, as well as introductory biology, advising undergraduate students, and service to the University and the community. An active research program accompanied by graduate student support and supervision is expected.

Texas A&M, as the land grant university of the State, is committed to excellence in research, teaching and service. It ranks among the top 5 public institutions in student body size and is within the top 10 in research expenditures. TAMUG is the coastal branch campus of Texas A&M, with ca. 1500 undergraduates enrolled in ten ocean related majors, as well as a maritime officers training program, and 75 graduate students participating in ocean-related research projects. Thematic specialties of the present 15 Marine Biology faculty include marine mammals, fisheries, resource conservation, oyster biology, microbiological aspects of seafood safety, cave biology, salt marshes, deep-sea benthos, hypoxia, biodiversity, and invasive species, among others. (Visit <http://www.marinebiology.edu> for more information.)

A complete application packet must include a letter of application, a curriculum vitae and the names and contact information of four professional references. The letter should include a summary of research and teaching interests. Reprints of publications are also welcome. Signed applications must be on file to be considered for this position. Applications can be downloaded from: [www.tamug.edu/hrd](http://www.tamug.edu/hrd). Complete packets should be sent to **The Department of Human Resources, Texas A&M University at Galveston, POB 1675, Galveston, TX, 77553**. Review of applications will begin in January 2003.

*Texas A&M University is an Affirmative Action/Equal Opportunity Employer committed to excellence through diversity and particularly invites applications from minorities, women, veterans and persons with disabilities.*

DEPARTMENT OF BIOLOGY

## Chair in Molecular Neurobiology

£40,841 p.a.

With the successful opening of our major new JIF-funded laboratories and facilities we are seeking a new Professor with a world-class research record in neurobiology. The successful candidate will be addressing fundamental questions in neurobiology, using molecular, post-genomic and integrative approaches. You should be keen to provide academic leadership in developing research and teaching in neurobiology and to interact with existing strong groups in the molecular, genetic and developmental

biology areas in the Department of Biology.

Informal enquiries may be made to Professor John Sparrow, tel: +44 (0)1904 328675, email: [jcs1@york.ac.uk](mailto:jcs1@york.ac.uk) or Professor Alastair Fitter, Head of Department, tel: +44 (0)1904 328555, email: [ahf1@york.ac.uk](mailto:ahf1@york.ac.uk)

Salary will be on the Professorial scale (current minimum £40,841 p.a.). This appointment is available from 1st April 2003.

For further information and details of how to apply, please write to the

Personnel & Staff Development Office, University of York, Heslington, York YO10 5DD or email: [jobs@york.ac.uk](mailto:jobs@york.ac.uk) quoting reference number DA0245, or see: <http://www.york.ac.uk/admin/persnl/jobs/> Closing date: 10 January 2003

The University of York is committed to diversity and has policies and developmental programmes in place to promote equality of opportunity. It particularly welcomes applications from ethnic minority candidates.

[www.york.ac.uk](http://www.york.ac.uk)



### Department of Health and Human Services National Institutes of Health National Institute of Diabetes and Digestive and Kidney Diseases

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.

A NIDDK POSTDOCTORAL POSITION is available to study yeast prions (amyloid) and the cellular factors involved in prion propagation. Biochemistry and molecular biology experience is desirable. We have identified protein chaperone mutations that alter prion propagation and are using biochemical and genetic approaches to determine how the activities of these chaperones affect prion propagation. Send cover letter, summary of research experience, and the names and addresses of three references to: Dr Daniel C. Masison, Laboratory of Biochemistry and Genetics, National Institute of Diabetes and Digestive and Kidney Diseases, NIH/HHS, Bldg 8, Room 407, 8 Center Drive, Bethesda, MD 20892, MSC 0851, USA. E-mail: [masisond@helix.nih.gov](mailto:masisond@helix.nih.gov)

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## Department of Physics

### Professor/Reader of Experimental Physics

Salary either in the Professorial range, minimum £40,841 p.a. or on the Readership Scale £35,251 - £43,067 p.a.

The Department is seeking to enhance and broaden its research with the appointment of a Professor or Reader of Experimental Physics. Currently the Department has strong international experimental activities in Condensed Matter Physics, Surface Science, Structural and Materials Physics and Semiconductor Physics, which are described at [www.phys.warwick.ac.uk](http://www.phys.warwick.ac.uk). The successful candidate will be an outstanding scientist with an international reputation. This is a permanent position, available from 1st October 2003.

Informal enquiries can be made to the Head of Department, Professor Malcolm Cooper ([M.J.Cooper@warwick.ac.uk](mailto:M.J.Cooper@warwick.ac.uk) tel 024 7652 3379).

Further particulars can be obtained from the Personnel Office, University of Warwick, Coventry CV4 7AL. Telephone: 024 7652 3627 and from [www.jobs.ac.uk/jobfiles/AC1605.html](http://www.jobs.ac.uk/jobfiles/AC1605.html) Please quote reference 14/3A/02

Closing date for applications is 20 December 2002

Email: [Recruit@warwick.ac.uk](mailto:Recruit@warwick.ac.uk)

UNIVERSITY OF  
**WARWICK**

## POSITIONS OPEN



Invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level. We seek candidates with an interest in teaching and an outstanding record of research achievement in any area of genetics including but not limited to computational biology, pathophysiology of genetic disease, gene therapy, quantitative genetics, and model organism genetics or genomics.

Candidates should have a Ph.D. and/or M.D. degree and postdoctoral research experience. Candidates are encouraged to apply by December 15, 2002, with curriculum vitae; a description of future research plans; and the names and addresses of three references. Please send information to:

**Richard Myers, Ph.D.**  
Professor and Chair  
Department of Genetics, M-344  
Stanford University School of Medicine  
Stanford, CA 94305-5120

*Stanford University is committed to increasing representation of women and members of minority groups on its faculty and particularly encourages applications from such individuals.*

## FACULTY POSITION IN CANCER RESEARCH

**Rutgers, The State University of New Jersey**

The Susan Lehman Cullman Laboratory for Cancer Research in the Department of Chemical Biology, Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, is seeking an outstanding Investigator for a tenured or tenure-track faculty position at the **ASSOCIATE** or **FULL PROFESSOR** level. Applicants should hold the equivalent of a Ph.D. and/or M.D. degree and have a strong commitment and track record for research on mechanisms of cancer causation and/or prevention. The successful candidate will also be a member of The Cancer Institute of New Jersey and join a growing life sciences community with opportunities to participate in a variety of research and teaching programs. The position is highly competitive with regard to start-up funds, laboratory space, salary, and benefits. Please send curriculum vitae, brief research plan, current and past grant support, and the names and addresses of three references to: **Dr. Allan H. Conney, Chair of the Search Committee, Department of Chemical Biology, Ernest Mario School of Pharmacy, 164 Frelinghuysen Road, Piscataway, NJ 08854-8020.** Rutgers, The State University of New Jersey, is an Affirmative Action/Equal Opportunity Employer.

## ASSISTANT PROFESSOR OF BIOLOGY FACULTY POSITION

The Department of Biology at Northeastern Illinois University invites applications for a tenure-track **ASSISTANT PROFESSOR** position in biochemistry beginning fall 2003. An earned Doctorate in a relevant discipline specializing in biochemistry is required. Competency and experience in molecular techniques desirable. Teaching graduate and undergraduate courses in biochemistry and in area of specialization. Participation in general biology courses for majors and nonmajors. Commitment to involve undergraduate and graduate students in research. Research and service are encouraged and expected. Review of applications will begin January 6, 2003, and continue until position is filled. Send letter of application, curriculum vitae, e-mail address, statements of research and teaching interests, and three letters of recommendation (at least one concerning teaching effectiveness) to: **Dr. Simon L. Chung, Department of Biology, Northeastern Illinois University, 5500 North St. Louis Avenue, Chicago, IL 60625.** Affirmative Action/Equal Opportunity Employer.

## POSITIONS OPEN

### PLANT ECOLOGIST Rochester Institute of Technology (RIT)

We seek a Plant Ecologist with experience in plant community ecology, evolutionary ecology, population ecology, or related disciplines. Applicants must have a Ph.D., relevant postdoctoral experience, and a commitment to teaching excellence. The successful candidate will teach an upper-level ecology course, an advanced course in his/her area of expertise, and will participate in the interdisciplinary Environmental Science sequence. Research that engages both undergraduate and graduate students will be expected from the candidate. While it is anticipated that this position will be filled at the **ASSISTANT PROFESSOR** level, more senior candidates are encouraged to apply. Rank and salary will be commensurate with experience and record of accomplishments. The RIT Department of Biological Sciences is a growing and progressive department with 420 undergraduate students. We offer degree programs in biology, biotechnology, and environmental science and have new Master's programs in environmental science and bioinformatics coming online this year. See our web-site: <http://www.biology.rit.edu>.

Submit statements of academic and research interests, teaching philosophy, curriculum vitae, and arrange to have three letters of recommendation sent by January 15, 2003, to: **Chair, Search Committee, Department of Biological Sciences, Rochester Institute of Technology, 85 Lomb Memorial Drive, Rochester, NY 14623-5603.** The Department of Biological Sciences is strongly committed to diversity in our faculty, staff, and student populations. We welcome applications from candidates who are part of a minority or underrepresented group. RIT is an Equal Opportunity/Affirmative Action Employer and especially encourages applications from persons able to contribute in a meaningful way to the Institute's commitment to diversity and pluralism.

### ASSISTANT PROFESSOR WILDLIFE ECOLOGY University of California at Berkeley

Tenure-track, nine-month position in the Department of Environmental Science, Policy, and Management (Ecosystem Sciences Division) and the Agricultural Experiment Station available July 1, 2003. The appointee will conduct research on ecology, management, and conservation biology of terrestrial vertebrates. Appropriate research emphases include large mammal management, landscape ecology, population dynamics, disease, plant-animal interactions, physiological ecology, and ecosystem and habitat management. Candidates should have strong quantitative skills and be able to interact with colleagues in a broad array of disciplines in environmental sciences. Teaching will include a large, upper-division class in wildlife ecology to a broad cross-campus audience; a graduate seminar; and participation in other environmental sciences courses. Submit curriculum vitae; statement of research and teaching interests; and three letters of recommendation by January 23, 2003, to: **Chair, Wildlife Ecology Search Committee, Ecosystem Sciences Division, 151 Hilgard Hall, MC 3110, University of California, Berkeley, CA 94720-3110.** More details at website: [http://espm.berkeley.edu/wildlife\\_position.html](http://espm.berkeley.edu/wildlife_position.html). The University of California is an Equal Opportunity/Affirmative Action Employer.

### ASSISTANT/ASSOCIATE PROFESSOR

One long-term-track faculty position. Begin August 2003. Ph.D. required in cell biology; teaching experience in cell biology/molecular biology. Expected to teach undergraduate students. Experience in small college preferred. Liberal arts environment. Responsibilities include academic advising, committee work. Expected to engage in biomedical research with undergraduates, to write grants, and to publish. Strong record of teaching excellence and scholarship desirable. Letter stating interests; complete résumé; transcripts; and three letters of reference to: **Sr. John Karen Frei, Dean, School of Natural and Health Sciences, Barry University, Miami Shores, FL 33161** by December 20, 2002.

## POSITIONS OPEN



### FACULTY OPENINGS Florida State University and Florida A&M University

The Program in Biomedical Engineering at the FAMU-FSU College of Engineering invites applications for tenure-track faculty positions in its newly formed M.S./Ph.D. degree programs in biomedical engineering. The College is a joint entity of Florida State University (FSU) and Florida A&M University (FAMU) located in Tallahassee, Florida. The new degree program includes educational curricula in the newly formed Florida State University School of Medicine. A Ph.D. or M.D./Ph.D. in biomedical engineering, medical sciences, or a related discipline is required. Rank is open and candidates must demonstrate a strong commitment to building both educational and research components in biomedical engineering and interactions with FSU's medical science initiatives. Senior applicants should have a record of national distinction in biomedical engineering or related disciplines. The possibility exists for highly qualified senior applicants to be nominated for a Florida State University Eppes Endowed Professorship. Of particular interest are those candidates with exceptional background in tissue engineering, metabolic engineering, or intercellular transport processes. The Department has a Special Opportunity Award from the Whitaker Foundation, an NSF-funded NMR/MRI system for molecular transport and microimaging studies, and new laboratory and office space dedicated to biomedical engineering research. Excellent opportunities exist for interactions with the National High-Magnetic Field Laboratory, the FAMU College of Pharmacy and Pharmaceutical Sciences, and the FSU Institute of Molecular Biophysics as well as for affiliation with the new College of Medicine at FSU. Qualified applicants should send a letter of application; current curriculum vitae; a statement of research and teaching interests; and the names and contact information of three references by January 15, 2003, to: **Dr. Michael H. Peters, Director, Program in Biomedical Engineering, FAMU-FSU College of Engineering, 2525 Pottsdamer Street, Tallahassee, FL 32310.** Further information can be obtained at website: <http://www.eng.fsu.edu/bme>. FAMU-FSU is an Affirmative Action/Equal Employment Opportunity Employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.

### INVERTEBRATE BIOLOGIST

The Biology Department at Saint Joseph's University invites applications for a tenure-track **ASSISTANT PROFESSOR** position. Applicants should be broadly trained in invertebrate biology, possess a Ph.D., and have a commitment to undergraduate education. Teaching responsibilities include offering an upper-division and/or Master's-level course relating to the area of expertise, teaching introductory biology, and having a commitment to nonmajor service courses as needed. Biology faculty also advise students and serve on university and departmental committees. The successful candidate will have good communication skills and include students in a productive research program. A complete application includes a letter of application, curriculum vitae, three letters of recommendation, a statement of research interests and teaching interests and strategy, major equipment needs, and transcripts. Review of candidate files will begin January 10, 2003. Applications are accepted until the position is filled. Submit materials to: **Dr. Paul Tefft, Chair, Biology Department, St. Joseph's University, 5600 City Avenue, Philadelphia, PA 19131.** Saint Joseph's University is a private, Catholic, and Jesuit institution and expects members of its community to be knowledgeable about its mission and make positive contributions to that mission. Affirmative Action/Equal Opportunity Employer; Minorities/Females/Veterans/Disabled.



**Department of Health and Human Services  
National Institutes of Health  
National Institute of Mental Health**

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 National Institute of Mental Health (NIMH), a major research component of the National Institutes of Health (NIH) and the Department of Health and Human Services, is recruiting for a tenure-track position in Molecular Neuropathology of Schizophrenia. With a complimentary budget and staff, the individual selected for this position will be expected to establish an independent research program to conduct basic research in molecular anatomy of the human brain in schizophrenia and in normal human brains.

The successful individual will possess an M.D. or Ph.D. degree in neuroscience, molecular biology, biomedical science, or equivalent, have at least five years of relevant research experience, preferably in neurobiology, and leadership/managerial skills and experience that include responsibility for managing research projects.

Salary is commensurate with research experience and accomplishments, and a full Civil Service package of benefits (including retirement, health, life and long term care insurance, Thrift Savings Plan participation, etc.) is available.

Interested candidates should send curriculum vitae; statement of research interests, accomplishments and future goals; and three letters of recommendation to Chair, Search Committee for the Clinical Brain Disorders Branch, National Institute of Mental Health, Building 49, Room B1EE16, 9000 Rockville Pike, Bethesda, MD 20892, or by e-mail to: [ManjiH@intr.nimh.nih.gov](mailto:ManjiH@intr.nimh.nih.gov) by **January 7, 2003**.



**DHHS and NIH are Equal Opportunity Employers**



## *F*aculty Positions in Cancer Cell and Tumor Biology at the Wistar Institute

The Wistar Institute, an independent, non-profit research institute with a primary focus on cancer research, is seeking outstanding candidates for the rank of Assistant or Associate Professor to develop a vigorous, independent, extramurally funded research program addressing contemporary problems in the cell and tumor biology of cancer. Areas of interest include (but are not limited to) mechanisms of transformation and tumor progression, genetic and biological aspects of oncogene and tumor suppressor function, models and mechanisms of metastases, mechanisms of angiogenesis, tumor-stromal interactions, intracellular signaling and growth control, cell-cycle control, mechanisms of transcriptional regulation and novel approaches to cancer therapeutics. Of particular interest are candidates using mouse models to study the genetics and biology of tumor initiation and progression.

Successful candidates will occupy newly renovated laboratory space and have the opportunity to interact with 27 research laboratories in three Programs (Molecular and Cellular Oncogenesis; Gene Expression and Regulation; and Immunology). These programs are supported by superb core facilities, including state-of-the-art proteomics, genomics and mouse genetics facilities ([www.wistar.upenn.edu](http://www.wistar.upenn.edu)). The Institute's location on the University of Pennsylvania campus provides convenient access to abundant academic resources, including superb graduate students and many potential academic/clinical collaborators.

Highly competitive laboratory start-up support, salary, and fringe benefits will be offered. Candidates should have a M.D. and/or Ph.D. and advanced training in a relevant area. Applicants should submit curriculum vitae, brief summary of past and future research interests, and the names of three references to: **Frank J. Rauscher III, Ph.D., Search Committee Chair, The Wistar Institute, 3601 Spruce Street, Philadelphia, PA 19104. E-mail: [rauscher@wistar.upenn.edu](mailto:rauscher@wistar.upenn.edu). EOE/AA/M/F/D/V.**

**THE WISTAR INSTITUTE**

*NCI-designated Basic Science Cancer Center*

## Postdoctoral Positions in Protein Bioinformatics and Structural Genomics

The Bioscience Division is seeking 2-3 highly motivated researchers for immediate openings to work with our interdisciplinary team of Bioinformatics and Structural Biology. Research activities will focus on the development and application of methods in Functional and Structural Genomics, including: 1) inference of function in proteins based upon structural and sequence information; 2) prediction of protein structure, protein binding, ligands, and active sites using both ab initio approaches and experimental information; 3) identification of signatures of pathogenesis; 4) annotation and analysis of selected genomes; and 5) creation and curation of annotated protein databases.

Starting salaries range from \$59,300 to \$67,300. For further technical information about the position and the project, contact Charlie Strauss at [cems@lanl.gov](mailto:cems@lanl.gov) (505-665-5838), or Murray Wolinsky at [murray@lanl.gov](mailto:murray@lanl.gov) (505-665-0952); or Thomas Terwilliger at [terwilliger@lanl.gov](mailto:terwilliger@lanl.gov) (505-667-0072).

A Ph.D. completed within the last 5 years or soon to be completed is required. For further details about this position and the Postdoctoral Program, and to apply online, go to: [www.hr.lanl.gov/postdoc](http://www.hr.lanl.gov/postdoc) (see job #203394) and reference source SCIENCE.

  
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## POSITIONS OPEN

### TECHNICAL STAFF MEMBER

The Los Alamos Neutron Science Center (LANSCE) is seeking a Technical Staff Member at the **INSTRUMENT ASSISTANT** level to provide technical support for high-pressure experiments and user interactions including sample preparation, data analysis, laboratory setup, instrument development, environmental and safety control, and user training and support. Specific responsibilities: maintaining experimental documents, purchase orders, equipment manuals, user schedule, ES&A and property control paperwork; developing cell assemblies and anvil packages for high-pressure synthesis and neutron diffraction; establishing a thermodynamic database for superhard and weapons-related materials; working on projects related to equations of state, phase transitions, phase diagrams, acoustic elasticity, amorphization, and melting. Requires the ability to obtain a Department of Energy clearance, which normally requires U.S. citizenship. Ph.D. in physics, chemistry, materials science, Earth sciences, or a related field.

For a full job description and application information, please visit **website:** <http://www.lanl.gov/jobs> and search for Job Number 203325. List *Science* as the referral source when applying.

Los Alamos National Laboratory is operated by the University of California for the National Nuclear Security Administration of the U.S. Department of Energy. Affirmative Action/Equal Opportunity Employer.

### BIOMOLECULAR NMR FACILITY MANAGER

A permanent staff position is available immediately for a well-qualified applicant to manage a new NMR facility at University of California, Irvine. The facility is equipped with a new Varian Inova 800 MHz four-channel NMR instrument and will support a new initiative in structural biology at the University of California, Irvine. The Manager will interact with a diverse group of users from the Schools of Biological Sciences, Physical Sciences, and Medicine. Beginning to midpoint salary range: \$54,400 to \$74,800.

The successful candidate will have a Ph.D. in structural biology, chemistry, or a related discipline. Experience solving solution structures of biopolymers using NMR techniques or equivalent combination of education and experience is also required. Previous experience running and maintaining high-field instruments is preferred.

Please apply online (reference Job Number 2002-0916) at **website:** <http://www.hr.uci.edu>. University of California, Irvine, is an Equal Opportunity Employer committed to excellence through diversity.

### BIOLOGICAL OCEANOGRAPHER

We seek a Ph.D.-level Biological Oceanographer for a nine-month, tenure-track appointment at the **ASSISTANT/PROFESSOR** level to begin as soon as August 2003. The position involves research, training (primarily at the graduate level), and service. Area of specialization is open but we are particularly interested in a person who studies the role of nekton in ecological processes. Send a letter of application, curriculum vitae, and contact information for three references to: **Biological Oceanography Search Committee, Department of Oceanography, Florida State University, Tallahassee, FL 32306**. Application review will begin on 1 January 2003. *The University is an Equal Opportunity/Access/Affirmative Action Employer.*

**MICROBIOLOGY.** The Department of Biology at the University of San Francisco invites applications for a tenure-track position (pending approval) at the **ASSISTANT PROFESSOR** level beginning August 2003 to teach upper-division courses in microbiology, participate in lower-division courses for majors and nonmajors, and establish a research program in the biology of microorganisms that applies molecular approaches. For details, please see **website:** <http://www.usfca.edu/hr>. University of San Francisco is an Affirmative Action/Equal Opportunity Employer.

## POSITIONS OPEN

The Department of Biological Sciences, Southeastern Louisiana University, invites applications for two tenure-track **ASSISTANT PROFESSOR** positions: (1) **PLANT PHYSIOLOGIST.** We invite applicants whose research interests include any area of plant physiology including those investigating molecular/cellular processes or using a whole organism approach. Teaching responsibilities include plant physiology and other undergraduate or graduate courses as well.

(2) **ICHTHYOLOGIST.** We invite applications from all areas of research including but not restricted to systematics, evolution, ecology, behavior, and population genetics. We anticipate the successful candidate will teach a field-oriented ichthyology course and have an interest in teaching/learning about regional ichthyofauna. The successful candidate will be expected to teach other undergraduate and graduate courses as well.

The selected individual will join the research faculty and will be part of any active group of Scientists using classical, molecular, and applied approaches to a variety of biological problems. The successful candidates are expected to develop active research programs and pursue extramural funding. Excellent research opportunities exist in southeastern Louisiana with local access to a diversity of terrestrial habitats (e.g., pine savannas, bottomland hardwoods, prairies) as well as wetland and aquatic habitats (fresh water, estuarine, and saltwater) with field facilities at Turtle Cove Environmental Research Station and LUMCON, the Louisiana University Marine Consortium. Start-up funding and a competitive salary are available. SLU enjoys easy access to New Orleans and Baton Rouge, each less than an hour away. Additional information is available at **website:** <http://www.slu.edu/Academics/Depts/Biology>. Ph.D. and postdoctoral experience are required. The positions will be available August 2003. Send letter of application, résumé, statement of research and teaching interests, three letters of reference, and copies of all transcripts (original required upon employment) to: **Dr. Brian Crothers, Department of Biological Sciences, SLU 10736, Hammond, LA 70402**. Applications must be received by December 18, 2002. Review of applications will begin on November 15, 2002. *SLU is an Affirmative Action/Americans With Disabilities Act/Equal Employment Opportunity Employer.*

### DIRECTOR

#### Pymatuning Laboratory of Ecology

The Director of Biological Sciences at the University of Pittsburgh anticipates making a faculty/administrative appointment (open rank; tenure track or nontenure track) to serve as Director of the Pymatuning Laboratory of Ecology (PLE). The position is scheduled to begin with the summer of 2003 pending budgetary approval. The successful candidate must have a Ph.D. and postdoctoral or other equivalent experience. We desire a person with experience in biological field station operations, development, research, and educational programs as well as grant writing, fund raising, and strategic planning. Located in northwestern Pennsylvania, PLE is a growing regional center for research and education, recently enhanced by the addition of new laboratory buildings, library/office complex, and acquisition of major land holdings. We will begin reviewing applications on December 9, 2002. Applicants should send curriculum vitae along with a letter describing their interest and past professional experience as it pertains to this position. Please arrange to have three letters of reference sent to:

**PLE Search Committee  
Department of Biological Sciences  
University of Pittsburgh  
Pittsburgh, PA 15260  
Telephone: 412-624-4350**

Further information on PLE and the Department of Biological Sciences is available at **website:** <http://www.pitt.edu/~biology>. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups underrepresented in academia are especially encouraged to apply.

## POSITIONS OPEN

### ASSOCIATE DIRECTOR

#### University of Georgia School of Marine Programs

The University of Georgia (UGA) seeks an Associate Director of the School of Marine Programs who will also serve as the Director for the University of Georgia's Marine Institute on Sapelo Island. This tenure/tenure-track position will be based on UGA's main campus in Athens and will be filled at the rank of **ASSOCIATE** or **FULL PROFESSOR** for fall 2003. The successful candidate is expected to have prior administrative experience and maintain an internationally recognized, externally funded research program. Marine Programs faculty currently conduct research on a wide range of biological, chemical, and physical processes in marine and freshwater environments; the Marine Institute is an LTER site (**website:** <http://gce-lter.marsci.uga.edu/lter>). Curriculum vitae, a brief statement of research interests, and names and addresses of four references should be sent to: **Chair, Associate Director Search Committee, School of Marine Programs, Marine Sciences Building, University of Georgia, Athens, GA 30602-3636**. Additional information can be obtained through the Department of Marine Sciences **website:** <http://www.marsci.uga.edu> or direct inquiries may be addressed to: **Dr. Mary Ann Moran; e-mail:** [mmoran@uga.edu](mailto:mmoran@uga.edu); **Telephone:** 706-542-6481. Applications received by January 15, 2003, are assured full consideration. *The University of Georgia is an Equal Opportunity Employer.*

### ENVIRONMENTAL GEOSCIENCE

The Department of Earth and Environmental Science at the University of Pennsylvania invites applications for an **ASSISTANT PROFESSORSHIP** in environmental geoscience. The research interests of the candidate should complement and broaden established research programs in the Department.

The successful candidate will be expected to maintain an active research program while teaching graduate courses in his/her research specialty and undergraduate courses in environmental studies, geology, paleobiology, and oceanography.

Further information about programs in the Department of Earth and Environmental Science at the University of Pennsylvania may be sought at **website:** <http://www.sas.upenn.edu/earth/>.

Applicants should submit résumés, statements of research and teaching interests, and a selection of representative reprints to:

**Robert Giegengack  
Environmental Geoscience Search Committee  
Department of Earth and Environmental Science  
University of Pennsylvania  
Philadelphia, PA 19104-6316 U.S.A.  
E-mail: [earth@sas.upenn.edu](mailto:earth@sas.upenn.edu)**

The Search Committee will begin to evaluate applications in January 2003; the search will remain open until the position is filled.

*The University of Pennsylvania is an Equal Opportunity Employer. Women and minorities are encouraged to apply.*

### LECTURER IN BIOLOGY

Nontenure track, annual contract position beginning fall semester, August 2003. M.S. degree is required (Ph.D. preferred). Primary teaching responsibilities include a two-semester undergraduate anatomy and physiology lecture and laboratory sequence, general biology, and general biology laboratories. In addition, faculty responsibilities include academic advising and committee work. The successful candidate will have a strong record of teaching excellence and documented collegial career. Send a letter stating interests; curriculum vitae; and three letters of reference by January 31, 2003, to: **Dr. Don Killebrew, Chair, Department of Biology, The University of Texas at Tyler, 3900 University Boulevard, Tyler, TX 75799**. University of Texas at Tyler is an Equal Employment Opportunity/Affirmative Action Employer. Applicants must be prepared to furnish the University with proof of eligibility to work in the United States.



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Applied Molecular Evolution, Inc. (AME) is a leader in the application of directed molecular evolution to improve healthcare by optimizing and developing human biotherapeutics. AME uses its proprietary AMESystem™ directed molecular evolution technology platform to optimize genes and therapeutic proteins for specific commercial purposes. AME optimizes the full range of proteins, including antibodies, cytokines, hormones and enzymes to develop second-generation biotherapeutics as well as novel human biopharmaceuticals.

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- Manage multiple research projects including external collaborations.
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- Mentor and develop the careers of research staff.

Qualifications:

- PhD and 7-10 years of post-doctoral experience in a research / preclinical environment that includes management of a productive research team.
- Experience with biopharmaceutical product development.
- Demonstrated success in maintaining timelines and achieving milestones.
- Superior verbal and written communication skills.

Please send cover letter referencing job code 350011 and resume to:

careers@AMEvolution.com, Applied Molecular Evolution, Inc., 3520 Dunhill Street, San Diego, CA 92121

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

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### Chair, Department of Biological Sciences University of South Carolina

The Department of Biological Sciences at the University of South Carolina, Columbia, invites applications and nominations for the position of Chair. Appointment to this position will be at the level of Full Professor with tenure. The successful candidate must have the vision and leadership to oversee the wide-ranging research, teaching and outreach activities of the Department. He/She will be expected to lead efforts to fill several faculty vacancies, with the goal of enhancing the Department's current strengths in Molecular and Developmental Genetics, Cancer Biology, Plant Molecular Biology, Evolutionary Biology, Ecology, and Environmental Sciences. The Chair will be a recognized leader in a specific field of expertise, and will be expected to maintain a vibrant, extramurally funded research laboratory. Minimal requirements for the position include a Ph.D. degree in the Biological Sciences or a related field, and the research, teaching, and administrative experience commensurate with that of a tenured Full Professor.

The University of South Carolina is the flagship institution within the State of South Carolina. The Department of Biological Sciences is broad based, covering a wide range of disciplines in the Life Sciences. It currently has 42 tenure-track faculty, 70 graduate students, and nearly 1,000 undergraduate majors. Department extramural funding is in excess of 4.5 million dollars, in addition to an interdisciplinary 11 million dollar COBRE grant from the NIH to establish a Center for Colon Cancer Research. Further information about the Department and the University can be found at <http://www.biol.sc.edu>.

Applicants and nominations for this position should provide their current Curriculum Vitae, names of people who could serve as references, along with a letter summarizing research and educational philosophy, to: **Chair Search Committee, Department of Biological Sciences, Coker Life Sciences Building, University of South Carolina, Columbia, SC 29208.**

The search will remain open until the position is filled. Review of applications and nominations will begin on January 15, 2003.

*The University of South Carolina is an Affirmative Action Equal Opportunity Employer. Women and individuals from minority groups are strongly encouraged to apply.*

### Department of Health and Human Services National Institutes of Health National Heart, Lung, and Blood Institute Postdoctoral Positions in Biochemistry

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 Laboratory of Biochemistry, NHLBI,  
is recruiting for several postdoctoral fellows.**

Two postdoctoral fellows (must be U.S. citizens) will study under Dr. Thressa C. Stadtman. Candidates for these two positions must have a recent Ph.D. degree (1999 or later) with a strong background in chemistry. Research will focus on various aspects of selenium biochemistry with emphasis on the biosynthesis and function of selenium-dependent enzymes. Current studies deal with the mechanism of recruitment of inorganic and organic forms of selenium via selenium transferases or delivery proteins. Experience in isolation and characterization of oxygen-labile enzymes is desirable.

Three postdoctoral fellows will investigate aspects of the biochemistry and molecular biology of oxidative stress and signaling, especially the covalent modification of proteins. Specific topics will be selected by the successful candidates and their respective mentors, Dr. P. Boon Chock or Dr. Earl R. Stadtman. Candidates must have a recent Ph.D. or M.D. degree with a strong background and experience in enzymology, molecular biology, EPR methodology, organic, and/or physical chemistry.

Salaries for these positions will be commensurate with research experience and accomplishments. Health insurance and other benefits may be available.

The Laboratory of Biochemistry is located on the main campus of NIH in Bethesda, Maryland, a suburb of Washington, DC. Interested applicants should send a letter of interest with their Curriculum vitae to: Dr. Thressa Stadtman or Dr. P. Boon Chock or Dr. Earl Stadtman, via Email: [lbnlbi@nih.gov](mailto:lbnlbi@nih.gov)

**DHHS and NIH are Equal Opportunity Employers**

## POSITIONS OPEN

### PHYSICAL CHEMISTRY Dartmouth College

Applications are invited for a faculty position at the **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level starting July 2003. The Chemistry Department seeks an individual who will establish a nationally recognized research program in experimental physical chemistry at Dartmouth and who will excel at teaching in our undergraduate and Ph.D. curriculum. The Department has major initiatives in structural biology and in materials chemistry and preference will be given to individuals who conduct research in the areas of biomolecular NMR spectroscopy or materials characterization. Candidates will be expected to be able to teach introductory chemistry and physical chemistry courses as well as graduate courses in their area of research. Applicants should submit curriculum vitae, a description of their research plans, and a brief statement about their teaching interests. Applicants should also arrange to have three letters of recommendation sent on their behalf. All inquiries and applications will be treated confidentially. Application materials should be sent to: **Chair, Physical Chemist Search Committee, Department of Chemistry, 6128 Burke Laboratory, Dartmouth College, Hanover, NH 03755-3564.** The Committee will begin to consider completed applications on December 16, 2002. *With an even distribution of male and female students and over a quarter of the undergraduate student population members of minority groups, Dartmouth is committed to diversity and encourages applications from women and minorities. Dartmouth College is an Equal Opportunity/Affirmative Action Employer.*

### CHAIRMAN Department of Human Genetics

The Division of the Biological Sciences at The University of Chicago seeks a first-rate Scientist as Chairman of the Department of Human Genetics. The successful applicant will have an outstanding record of scientific accomplishments as well as demonstrated excellence in teaching and administrative abilities that will qualify him or her for the rank of **PROFESSOR**. The Chair reports to the Dean of the Division and Vice President for Medical Affairs and is responsible for strategic planning and leadership in research, academic, and administrative areas. The Division's teaching mission includes undergraduate, graduate, and medical students as well as residents and Postdoctoral Fellows. The Department currently includes 11 M.D. and Ph.D. primary faculty members and approximately 28 academic and support staff. Please send nominations or applications (curriculum vitae) to: **Drs. Neil Shubin and Michelle Le Beau, Co-Chairs, Search Committee for Human Genetics; e-mail: nshubin@uchicago.edu and mlebeau@medicine.bsd.uchicago.edu or: c/o Ms. Marquette Lewis, The University of Chicago, Office of the Dean, Division of the Biological Sciences, 5841 South Maryland Avenue, MC-1000, Chicago, IL 60637. E-mail: mlewis@delphi.bsd.uchicago.edu.** Review of applications will begin December 1, 2002.

*The University of Chicago is an Equal Opportunity/Affirmative Action Employer. Qualified minorities and women are encouraged to apply.*

Landscape ecology/carbon cycle science. **ASSISTANT/ASSOCIATE PROFESSOR** with a research focus on ecological responses to land use/land cover change and the terrestrial carbon cycle. This position is cofunded by the Department of Geography and Penn State's Institutes of the Environment. Applicants need to submit (1) a letter describing how they would contribute to the Department's teaching and research program, (2) a complete curriculum vitae, (3) reprints, and (4) complete contact information for three to five references. Review of applications will begin January 15, 2003, and will continue until the position is filled. Apply: **Dr. Alan H. Taylor, Chair, Search Committee, Department of Geography, 302 Walker Building, University Park, PA 16802. Telephone: 814-865-3433; FAX: 814-863-7943; e-mail: aht1@psu.edu.** Pennsylvania State University is committed to Affirmative Action/Equal Opportunity and the diversity of its workforce. Applications from women and underrepresented groups are encouraged.

## POSITIONS OPEN

### TENURE-TRACK FACULTY POSITION Experimental Condensed Matter Physics University of California, Riverside

The Department of Physics at the University of California, Riverside, invites highly qualified applicants to apply for a new faculty position in experimental condensed matter physics. This is a tenure-track position to be filled at the **ASSISTANT PROFESSOR** level. UC Riverside is undergoing unprecedented growth. The Department is seeking outstanding candidates with the potential for exceptional research and excellence in teaching. The successful candidate is expected to establish an outstanding, well-funded research program involving graduate students and Postdoctoral Scientists and to contribute to department teaching at all levels. The Department has very active condensed matter research programs in strongly correlated electron systems, surface physics, optical/laser physics, and spintronics. The successful applicant is expected to actively participate in the new campus Center for Nanoscale Science and Engineering that emphasizes the areas of nanoelectronics, nanophotonics, nanomachines, and nanobiotechnology.

Candidates for this position are required to have a Ph.D. or equivalent degree in physics. Salary will be competitive and commensurate with qualifications and level of appointment. We anticipate that the appointment will be effective July 1, 2003. Candidates should submit a letter of application, curriculum vitae, evidence of teaching skills, and evidence of an outstanding research program. They should also arrange to have three letters of reference sent to the Department and be willing to submit additional references on request. Letters should be sent to:

**Chair, Search Committee  
Experimental Condensed Matter Physics  
Department of Physics  
University of California  
Riverside, CA 92521**

Full review of applications will begin January 20, 2003. Applications received after this date will be considered on a case-by-case basis until the position is filled. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

### ASSISTANT PROFESSOR FUNCTIONAL MORPHOLOGIST

Western Kentucky University invites applications for a nine-month, tenure-track appointment in functional morphology. Individuals addressing research questions from a developmental perspective preferred. Teaching responsibilities may include courses in anatomy/physiology, developmental biology, and advanced course in area of expertise. Candidate is expected to conduct research involving undergraduate and M.S. students. Ph.D. and commitment to undergraduate education required; postdoctoral teaching or research experience preferred. Submit curriculum vitae, separate statements of teaching and research interest, and three letters of recommendation to: **Search Committee Chair, Department of Biology, Western Kentucky University, Bowling Green, KY 42101-3576.** Review of applications begins 2 December 2002 and will continue until the position is filled. For more information about the position, visit **website: <http://bioweb.wku.edu>**. *Western Kentucky University is an Affirmative Action/Equal Opportunity Employer Institution. All qualified individuals are encouraged to apply including women, minorities, persons with disabilities, and disabled veterans.*

The Gertrude H. Sergievsky Center seeks **STAFF ASSOCIATES** to work on research projects in the field of perinatal epidemiology. Responsibilities include maintaining large databases, undertaking statistical analyses, assisting with grant writing, and preparing manuscripts for publication. Must have Master's degree with specific training in epidemiology and proficiency in either SPSS or SAS. Send résumé to: **Louise Kuhn, Ph.D., Sergievsky Center, Columbia University, 630 West 168th Street, New York, NY 10032.** We take Affirmative Action toward Equal Employment Opportunity.

## POSITIONS OPEN

### FACULTY POSITIONS Microbial Pathogenesis and Immunology Department of Microbiology and Immunology Dartmouth Medical School

The Department of Microbiology and Immunology at Dartmouth Medical School (DMS) invites applications from Scientists whose focus is within the broad areas of microbial pathogenesis and/or immunology. The intent is to recruit two tenure-track faculty positions to expand our existing strengths in immunology and microbial pathogenesis. The successful applicant will hold the M.D. and/or Ph.D. degree and will join a faculty that has strong research and teaching credentials in a range of topics within the field of immunology and microbial pathogenesis. Although targeted primarily at the **ASSISTANT/ASSOCIATE PROFESSOR** level, senior candidates with particularly strong records of research accomplishment and sustained program growth and funding are welcome to apply. Candidates will be expected to develop and/or expand upon a strong, independent, yet collaborative research program in these broad areas. Teaching expectations include participation in courses in medical microbiology/immunology and graduate courses in the Molecular and Cellular Biology (MCB) Ph.D. program. Opportunities also exist to participate in related undergraduate courses.

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

All applications should consist of curriculum vitae, a brief statement of research interests and plans, and three letters of reference. Applicants interested in the microbial pathogenesis position should direct their applications to: **Ron Taylor, Ph.D., c/o Karen Thompson, Administrative Assistant, Department of Microbiology/Immunology, Dartmouth Medical School, Vail Building HB7550, Hanover, NH 03755. E-mail: [karen.l.thompson@dartmouth.edu](mailto:karen.l.thompson@dartmouth.edu).** Those applicants interested in the immunology position should direct their applications to: **Randy Noelle, Ph.D., c/o Marcia Ingalls, Bowell Building HB7556, Dartmouth Medical School, Lebanon, NH 03756. E-mail: [marcia.l.ingalls@dartmouth.edu](mailto:marcia.l.ingalls@dartmouth.edu).** Applications will be reviewed beginning November 1, 2002, and continue until the positions are filled. *Dartmouth Medical School is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and members of minority groups.*

### CHAIR, DEPARTMENT OF BIOLOGICAL SCIENCES Arkansas State University

Arkansas State University seeks an innovative and articulate leader who can represent the interests of the Department of Biological Sciences within the university and to external constituencies. Applicants must have an earned Ph.D. in biology or related field and a strong record of successful research, sensitivity to diversity, and effective teaching. Administrative and postdoctoral experience preferred. The Department employs 19 faculty and three staff members and offers B.S. degrees with five emphasis areas (biology, botany, environmental biology, preprofessional, and zoology); a B.S. in wildlife ecology and management; a B.S.E., M.S., M.S.E., and a Ph.D. in environmental sciences. Applicants should electronically submit (Microsoft Word format) a cover letter addressing their qualifications for the position, curriculum vitae, and the names and contact information of five references to: **Roger Buchanan; e-mail: [rbuck@astate.edu](mailto:rbuck@astate.edu); Telephone: 870-972-3082.** Applicant review will begin on 25 November 2002. See **website: <http://academicaffairs.astate.edu/aapositions.htm>** for more information. *Arkansas State University has strong commitment to the achievement of excellence and diversity among its faculty and staff.*

**MRC Dunn Human Nutrition Unit  
Research Associate  
(£20,625 – £24,750 per annum)**

Applications are invited for a Postdoctoral Research Scientist to conduct research into the characterisation of protein complexes associated with the replication of DNA in mitochondria, using biochemical and mass spectrometric approaches. Applicants should have a PhD and experience in protein biochemistry.

The post is available for three years from 1 February 2003 and will be within MRC salary band 4. The starting salary is likely to be in the range of £20,625 – £24,750 per annum, depending on qualifications and experience supported by a flexible pay and reward policy. An optional MRC pension scheme is available.

For further information on the project please contact Professor John Walker on 01223 252701, or email [walker@mrc-dunn.cam.ac.uk](mailto:walker@mrc-dunn.cam.ac.uk) or access the Dunn Human Nutrition Unit website at <http://www.mrc-dunn.cam.ac.uk>


Applications should include a full CV and the names and addresses of two professional referees who can be contacted prior to interview. Please quote job reference Dunn/1102/2 and e-mail to [recruit@mrc-lmb.cam.ac.uk](mailto:recruit@mrc-lmb.cam.ac.uk) or post to Kelly Andrews, Personnel Assistant, MRC Centre, Hills Road, Cambridge, CB2 2QH.

Closing date: 12 December 2002

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Medical Research Council



**St. Jude Children's Research Hospital**  
ALSAC • Danny Thomas, Founder

## FACULTY POSITIONS IN BIOCHEMISTRY

St. Jude Children's Research Hospital, a private research institute, supports a range of investigation directed at discovering the causes of, and providing treatment for, catastrophic diseases of children. Faculty positions are now available with the Department of Biochemistry. Preference will be given to applicants who have recently completed postdoctoral training and are seeking positions at the level of Assistant Member. Candidates with programs focusing on the regulation of cell growth, differentiation and transformation, the biochemistry and molecular biology of signal transduction, and mechanisms of gene regulation are particularly encouraged to apply. Opportunities exist for collaborative interactions with basic research programs in Immunology, Genetics, Developmental Neurobiology, Molecular Pharmacology, Structural Biology, Pathology, and Tumor Cell Biology, as well as with both clinical and basic investigators in the Departments of Hematology/Oncology, Radiation Oncology, Pharmaceutical Sciences and Infectious Diseases. In addition to new facilities and excellent startup funds, salaries are nationally competitive and include a very generous benefits package. A strong institutional commitment to its faculty ensures stability in program development and continuity of research activities.

Applicants should submit a curriculum vitae, a letter summarizing their research accomplishments and goals, and the names of three references to:

James N. Ihle, Ph.D.  
Howard Hughes Medical Institute  
Chairman, Department of Biochemistry  
St. Jude Children's Research Hospital  
332 North Lauderdale  
Memphis, TN 38105 USA  
E-mail: [kathy.fry@stjude.org](mailto:kathy.fry@stjude.org)

[www.stjude.org/hr](http://www.stjude.org/hr)

St. Jude Children's Research Hospital is an  
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**DIRECTOR  
CENTER FOR TRANSLATIONAL MEDICINE  
DEPARTMENT OF MEDICINE  
JEFFERSON MEDICAL COLLEGE  
PHILADELPHIA, PA**

The Department of Medicine, Jefferson Medical College, seeks an outstanding scientist for the position of Director of the **Center for Translational Medicine**. The Director will have the responsibility for establishing the scientific directions of the Center and recruitment of both junior and senior investigators. Encompassing two floors of the Medical College and core facilities in gene discovery, gene transfer and functional genomics, the Center will interact collaboratively with ongoing basic research programs in the Department of Medicine including center programs in the Cardeza Foundation for Hematologic Research, the Center for Human Virology, and the Division of Rheumatology. Candidates should have an M.D., Ph.D. or M.D./Ph.D. degree, a strong academic record, and demonstrated leadership and mentoring skills. They should be eligible for appointment at the Associate or Professor level.

Located in Center City Philadelphia, Jefferson Medical College is one of the oldest and highly respected medical schools in the U.S. Founded in 1824, the Medical College is part of Thomas Jefferson University and is affiliated with Thomas Jefferson University Hospital and the Jefferson Hospital for the Neurosciences.

Please send nominations or letters of interest to:

**Arthur M. Feldman, M.D., Ph.D., Chair**  
Department of Medicine  
Jefferson Medical College  
1025 Walnut Street, Room 824  
Philadelphia, PA 19107  
E-mail: [Arthur.Feldman@mail.tju.edu](mailto:Arthur.Feldman@mail.tju.edu)  
Ph: (215-955-6946)



**DIRECTOR  
OFFICE OF SCIENCE AND TECHNOLOGY  
DUKE UNIVERSITY**



Duke University invites applications for the position of **Director of the Office of Science and Technology**. This Office, while located in the School of Medicine, is responsible for technology licensing operations for the University as a whole. The technologies are generated primarily in the School of Medicine, Pratt School of Engineering, and by the Faculty of Arts and Sciences. The combined annual federal research support of these schools is approximately \$330,000,000.

The Director, while primarily responsible for the operational component of technology licensing, will also be expected to play a key role in university policy development associated with intellectual property.

The ideal candidate is one who has demonstrated leadership skills, experience in both academic and business environments, an advanced scientific and/or technological degree, and an aggressive approach to the commercial development of university technology.

Please send resumes to:

Robert L. Taber, Ph.D.  
Vice Chancellor, Science and Technology Development  
Room 1121, Davison Building Box 3701  
Duke University School of Medicine  
Durham, North Carolina 27710

Or electronically to: [telan001@mc.duke.edu](mailto:telan001@mc.duke.edu)

Duke University is an Equal Opportunity/Affirmative Action Employer

## POSITIONS OPEN

### MANAGER CELLULAR IMAGING FACILITY

The Toronto Western Research Institute (TWRI) is recruiting a manager to run a cellular imaging facility centered on four newly purchased Zeiss microscopes for confocal, laser capture (PALM), deconvolution, and time-lapse/injection microscopy. TWRI is a multidisciplinary research centre with over 60 Scientists and strong basic research programs in neuroscience, vision, and immunology together with complementary clinical research programs.

The successful candidate will have a minimum of a Master's degree or equivalent; experience in biological/cellular research; expert skills in fluorescence microscopy; ease with microscopes, computers, and relevant software; strong interpersonal and organizational abilities; and the ability to manage a budget. Experience in cell preparation for microscopy, tissue sectioning, image processing, and work with live cells is all advantageous. The facility manager will report to a guidance committee and the Head of the Cellular and Molecular Biology Division.

Applicants should forward a letter of application; curriculum vitae, and the names of three references in confidence by December 14, 2002, to: **Dr. E. F. Stanley, Ph.D., Head, Cellular and Molecular Biology Division, c/o Minnie Kim, Research Coordinator, Toronto Western Research Institute; e-mail: mkim@uhnres.utoronto.ca.** References will not be contacted without prior consent from the applicant. *We wish to thank all applicants for their interest; however, only those selected for an interview will be contacted. TWRI is the Research Institute of the Toronto Western Hospital, which, along with the Toronto General Hospital and the Princess Margaret Hospital, form the University Health Network, an Equal Opportunity Employer. In accordance with Canadian immigration requirements, this advertisement is directed in the first instance to Canadian citizens and permanent residents, although others are welcome to apply.*

### ASSISTANT/ASSOCIATE PROFESSOR

Expertise in biological optics, fluorescent microscopy, and imaging at the Dorothy M. Davis Heart and Lung Research Institute, The Ohio State University College of Medicine and Public Health. Tenure-track faculty position including Directorship of a multiuser confocal and multiphoton imaging facility. Department affiliation will be dependent on training. Applicants should have a strong, independent research program at the cutting edge of imaging and light spectroscopic techniques, particularly as they apply to heart, vascular, and pulmonary biology. A strong engineering and biophysical background in optics, spectroscopy, fluorescence, and image analysis is required with demonstrated capability for creative development of instrumentation, innovative techniques, and successful grantsmanship. The position is designed to provide a leadership role for Investigators in heart, vascular, lung, and immune cell biology who are applying novel imaging methodologies ranging from dynamic protein interactions in living cells, signal transduction pathways, and real time imaging of microcirculatory networks and inflammatory cell/vascular wall interactions. Start-up funds are available. Candidates are expected to participate in teaching and graduate programs in biophysics, biomedical engineering, integrated medical sciences, or related programs. Send curriculum vitae, detailed statement of research interests including future directions, and three letters of reference to: **Dr. Thomas Clanton, Ph.D., Chair of the Search Committee, Dorothy M. Davis Heart and Lung Research Institute, 110 DHLRI, The Ohio State University, 473 West 12th, Columbus, OH 43210. Telephone: 614-688-4146; FAX: 614-247-7799; website: <http://heartlung.osu.edu/hlri/index.jsp>.** *The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and individuals with disabilities are encouraged to apply.*

## POSITIONS OPEN

### SENIOR FACULTY POSITION Biomedical Sciences

The Department of Pharmaceutical Sciences, Texas Tech University Health Sciences Center School of Pharmacy in Amarillo, invites applications for a tenure-track senior faculty position (**ASSOCIATE** or **FULL PROFESSOR**). Successful candidates should complement the Department's mission in research and teaching; have a well-established, extramurally funded research program; and be committed to teach and mentor undergraduate (Pharm.D.) and graduate students up to Ph.D. level. The Department currently has 24 full-time faculty members with research interests in biomedical and pharmaceutical sciences. The School of Pharmacy is located in a new, over 102,000-square-foot building on the TTUHSC regional campus next to the School of Medicine and in close proximity to the Harrington Regional Medical Center. To see current faculty research interests, visit our website: <http://pharmacy.ama.ttuhsc.edu/ExternalHome/>. Applicants should submit curriculum vitae, brief summary of research and teaching interests, and names and addresses of at least three references to: **Dr. Neels Van der Schyf, Chair, Search Committee, Texas Tech University HSC, School of Pharmacy, 1300 Coulter Drive, Amarillo, TX 79106. FAX: 806-356-4034; e-mail: neels.vanderschyf@ttuhsc.edu.** Electronic applications are encouraged.

*TTUHSC is an Equal Opportunity/Affirmative Action Institution. Minorities and women are encouraged to apply.*

**BIOLOGY.** Catawba College invites applications for a faculty member at the rank of **ASSOCIATE PROFESSOR** or **PROFESSOR** to be **CHAIR** of the Department of Biology to begin in August 2003. The successful candidate must have a Ph.D. in biology and teaching and have administrative experience commensurate with rank. Teaching responsibilities include animal physiology, human anatomy and physiology, and other courses in the applicant's area of interest. A strong commitment to undergraduate teaching is required; leadership in undergraduate research is expected. Applicants should mail a letter of application, curriculum vitae, names of three references, unofficial transcripts, and a statement of philosophy to: **Dr. Steve Coggin, Department of Biology, Catawba College, Salisbury, NC 28144.** Applications received by December 8, 2002, will receive full consideration. *Catawba College is an Equal Opportunity Employer.*

### POSTDOCTORAL POSITION Allergy/Immunology

Postdoctoral position is available immediately to study the role of purinergic receptor-mediated signaling on IgE receptor-mediated activation using a novel cultivated human lung mast cell system. Other projects utilizing this novel cultivation system include cytokine-mediated effects on proliferation and gene expression under varied activation conditions using a microarray approach. Prior experience in immunology, cell biology, molecular biology, and signal transduction is preferred. Send curriculum vitae, description of current research, and names of three references to: **Edward S. Schulman, M.D., Professor of Medicine, Drexel University College of Medicine, Philadelphia, PA 19102.**

### TENURE-TRACK POSITION John Jay College of Criminal Justice September 1, 2003

Molecular Biologist/Biochemist, Ph.D. or in progress, to teach biology, molecular biology, and other basic sciences in a forensic science program. Candidates are expected to mentor graduate research and develop a related research agenda. Please send a letter of intent and curriculum vitae to: **Professor Selman A. Berger, Department of Sciences, John Jay College of Criminal Justice, The City University of New York, 445 West 59th Street, New York, NY 10019. FAX: 212-237-8742.** *Equal Employment Opportunity/Affirmative Action/Americans With Disabilities Act/Immigration Reform and Control Act.*

## POSITIONS OPEN

### POSITION ANNOUNCEMENT

College of Veterinary Medicine, Mississippi State University, is seeking applications for a tenure-track **ASSISTANT/ASSOCIATE PROFESSOR** and a nontenure-track **ASSISTANT RESEARCH PROFESSOR** in environmental toxicology. Primary duty: conducting mechanistically based biomedical research on toxicology of environmentally relevant chemicals. Successful candidates will perform research in biochemical toxicology, neurotoxicology, and/or computational toxicology; will collaborate with investigations in pesticide toxicology; will be expected to bring in areas of expertise complementary to those already present. They should have an established record of (or demonstrated potential for) original research in toxicology or a field that can be adapted to toxicology. They will be expected to develop an active research program funded extramurally. Candidates for the tenure-track position will also be expected to train graduate students and provide instruction to graduate students in the professional D.V.M. curriculum. Required qualifications: advanced degree (Ph.D. or equivalent) in toxicology or related discipline; postdoctoral experience (two years for Assistant/Associate Professor, one year for Assistant Research Professor); evidence of expertise in modern laboratory techniques and/or computational methods. Desired qualification: D.V.M. degree or equivalent. Preference will be given to applicants with experience in computational modeling in addition to strong laboratory experience. Salary and academic rank: commensurate with training and experience. Letters of application including curriculum vitae, names and addresses of three professional references, and statement of career goals should be sent to: **Dr. Janice Chambers, Director, Center for Environmental Health Sciences, College of Veterinary Medicine, P.O. Box 6100, Mississippi State University, Mississippi State, MS 39762-6100. E-mail: [chambers@cvm.msstate.edu](mailto:chambers@cvm.msstate.edu).** Applications will be accepted through December 15, 2002, or until positions are filled. *MSU is an Affirmative Action/Equal Opportunity Employer.*

### ASSISTANT PROFESSOR Genetics/Developmental Biology University of Nebraska at Kearney (UNK)

Tenure track. Teach genetics and developmental biology with associated laboratories; advise biology/health-related programs majors; pursue promotion/tenure requirements; active membership on departmental/college committees/direct NE-BRIN students. Required: earned Doctorate in biological sciences with genetics and developmental biology emphasis; evidence of good communication skills and successful teaching experience. Preferred: grant writing experience. Teaching is first priority at UNK with evidence of potential to conduct reviewable research expected. Starting date: August 2003. Salary and benefits are competitive. Submit applications on or before January 17, 2003, to assure consideration. Send letter of application, current curriculum vitae, three professional letters of reference, and official transcripts to: **Chair, Search Committee, Dr. Paul Twigg, Department of Biology, University of Nebraska at Kearney, Kearney, NE 68849-1140. Telephone: 308-865-8315; FAX: 308-865-8045; website: <http://www.unk.edu/>.** *Affirmative Action/Equal Opportunity/Americans With Disabilities Act.*

A **POSTDOCTORAL RESEARCH ASSOCIATE** position is available at the Yale Child Health Research Center to study inflammatory cytokine regulation of growth hormone signaling in experimental colitis. Qualifications include Ph.D. or equivalent degree with experience in molecular approaches and animal disease models. Please send curriculum vitae and names of three references to: **Dr. Lee Denson, YCHRC 205, 464 Congress Avenue, Yale University School of Medicine, New Haven, CT 06520. E-mail: [lee.denson@yale.edu](mailto:lee.denson@yale.edu).**

**Assistant Professor  
Massachusetts General Hospital  
Cancer Center and Department of  
Pathology, Harvard Medical School**

The Massachusetts General Hospital Cancer Center and the Department of Pathology at Harvard Medical School are seeking applications for a tenure track faculty position at the level of Assistant Professor. The successful candidate will occupy laboratories in the MGH Cancer Center, Charlestown Navy Yard research facility and serve as a member of the Department of Pathology at Harvard Medical School. We seek outstanding individuals, who wish to establish a strong cancer research program, with interests including, but not limited to, cancer biology, cancer genetics, genetic model organisms, signal transduction, and cell cycle checkpoints. Candidates must hold a Ph.D. and/or M.D. degree (or equivalent), have postdoctoral experience and a strong record of accomplishment in research. The successful candidate is expected to participate in the teaching activities of the Cancer Center and the Department of Pathology. Applications from women and minority candidates are also strongly encouraged.

Candidates should submit a curriculum vitae including a full list of publications and a brief statement of research and teaching interests to the email address below. Four letters of reference should be mailed directly to the Search Committee. **Search Committee, c/o Carol Ann Hannan, MGH Cancer Center, 13<sup>th</sup> Street, Building 149, Room 7204, Charlestown, MA 02129; Email: [channan@partners.org](mailto:channan@partners.org).** Applications must be received by **February 1, 2003**.

*Massachusetts General Hospital and Harvard University uphold a commitment to Affirmative Action and Equal Opportunity.*

**Department of Health and Human Services  
National Institutes of Health  
National Institute on Aging**



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 National Institute on Aging, a major research component of the National Institutes of Health (NIH) and the Department of Health and Human Services, is recruiting for a Health Scientist Administrator to serve as Program Director and lead a research program in neuroepidemiology, which includes studies of prevalence, incidence, and risk factors for Alzheimer's disease and other dementias of aging. The individual selected for this position will develop the program, define its research questions and goals, encourage scientists with appropriate expertise and interest to develop and submit research grant applications, and foster interactions with other epidemiology programs across NIH.

The successful individual will possess an M.D. or Ph.D. degree in epidemiology-relevant biological or behavioral disciplines, have training and research experience in epidemiology as related to the aging process with preference for a focus on aging-related neurodegenerative diseases such as Alzheimer's disease, and have leadership/managerial skills and experience that include responsibility for the conduct and administration of biomedically related research.

Salary range is \$55,694 to \$101,742 and will be commensurate with research experience and accomplishments, and a full Civil Service package of benefits (including retirement, health, life and long term care insurance, Thrift Savings Plan participation, etc.) is available.

For additional information on this position, and for instructions on submitting your application, please see our website, at: [www.jobs.nih.gov](http://www.jobs.nih.gov), or contact the **NIA Human Resources Office** at **301-496-5347**. Refer to announcement # **NIA-02-538**. Applications must be postmarked by **January 31, 2003**.



*HHS and NIH are Equal Opportunity Employers*



**Department of Health and Human Services  
National Institutes of Health  
National Cancer Institute**



With nation-wide responsibility for improving the health and well being of all Americans, the Department of Health and Human Services (DHHS) oversees the biomedical research programs of the National Institutes of Health (NIH) and those of the NIH's research institutes.

The National Cancer Institute (NCI), a major research component of the NIH and the DHHS, is recruiting for a Staff Scientist to support the research program of the Laboratory of Tumor Immunology and Biology, Center for Cancer Research, NCI. The individual selected for this position will plan and carry out experimental studies to develop new immunotherapies for a range of human cancers.

The successful individual will possess an M.D., or Ph.D. degree in the biological sciences, and have a minimum of three years research experience in molecular biology and cellular immunology, preclinical cancer vaccine studies, and, if possible, in the design, engineering, and analyses of vector-based vaccines.

Salary is commensurate with research experience and accomplishments, and a full civil service package of benefits (including retirement, health, life and long-term care insurance, Thrift Savings Plan participation, etc.) is available.

For additional information and instructions on submitting your application, please contact **Robin Riley, Executive Secretary, Search Committee**, at **rr88f@nih.gov**.



*HHS and NIH are Equal Opportunity Employers*



**West Virginia University**

**ROBERT C. BYRD HEALTH SCIENCES CENTER**

**ASSISTANT PROFESSOR  
FUNCTIONAL BRAIN IMAGING**

The Department of Physiology and Pharmacology ([www.hsc.wvu.edu/som/physio/](http://www.hsc.wvu.edu/som/physio/)) invites applications for a tenure-track position to be filled by fall, 2003. The Department has research strengths in cardiovascular, renal, respiratory, endocrine and neurophysiology. The position includes an appointment in the Center for Advanced Imaging ([www.hsc.wvu.edu/som/radio/cai\\_index.htm](http://www.hsc.wvu.edu/som/radio/cai_index.htm)), which houses both MR (1.5 and 3 Tesla, with real-time functional imaging capability) and PET scanners, a cyclotron, and a radiopharmaceutical laboratory. The successful candidate will join a growing interdisciplinary Neuroscience research effort at WVU that includes faculty in the Department of Neurobiology and Anatomy, with interests in neural development and prenatal stress; the Blanchette Rockefeller Neurosciences Institute, dedicated to studies of learning and memory and neurodegenerative diseases; and the Sensory Neuroscience Research Center.

Applicants must have a PhD or MD with relevant postdoctoral experience, with interests in either mechanisms underlying local hemodynamic responses in the brain to neural activity, or the application of neuroimaging techniques to the study of affective or cognitive behavior in humans or animals. Responsibilities include developing an independent, funded research program and teaching pharmacology or physiology. A competitive startup package, supported by a Howard Hughes Medical Institute grant, and laboratory space are available. Morgantown has been recognized nationally as one of the best small cities in the nation for its quality of living and is near Pittsburgh and Washington D.C. ([www.mgtn.com](http://www.mgtn.com), or [mgncchamber.org](http://mgncchamber.org)). Review of applications will begin January 1, 2003. Send a curriculum vitae, personal research plans and list of three references to: **Dr. Paul Brown, Chair of Search Committee, Department of Physiology and Pharmacology, PO Box 9229, West Virginia University, Morgantown, WV 26506**. Inquiries may also be directed to **Dr. Brown (304 293-1512; [pbbrown@hsc.wvu.edu](mailto:pbbrown@hsc.wvu.edu))**.

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

## POSITIONS OPEN

### TWO FACULTY POSITIONS

#### Cell and Molecular Biology and Bioinformatics Rochester Institute of Technology (RIT)

The RIT Department of Biological Sciences has developed B.S. and Sloan Foundation-funded M.S. programs in bioinformatics with the involvement of an interdepartmental faculty. We anticipate two tenure-track faculty positions to begin on September 1, 2003.

**Position One: ASSISTANT or ASSOCIATE PROFESSOR.** Applicants must have a Ph.D., relevant postdoctoral experience, and a commitment to teaching excellence. Successful candidates will be required to supervise undergraduate and graduate research projects, contribute to the teaching of new and existing department courses, and to attract extramural funding to support a vigorous research program. Successful candidates will have demonstrated competence in bioinformatics and one or more of the following areas: molecular and cell biology; genomics; proteomics; analysis of gene expression and functional, comparative genomics and will be expected to direct an independent research program.

**Position Two: SENIOR FACULTY.** Applicants must have a Ph.D.; relevant postdoctoral experience; and a track record of fruitful, extramurally funded research. Successful candidates will engage in bioinformatics research, supervise graduate students, and contribute to our mission of excellent teaching. Faculty rank will be commensurate with experience.

We are a growing department with 400 undergraduates enrolled in biology and biotechnology programs with an option in bioinformatics. Further information about the programs is available at [websites: http://www.biology.rit.edu](http://www.biology.rit.edu) and <http://www.bioinformatics.rit.edu>. Closing date for applications is 15 January 2003. Submit statements of academic and research interests, teaching philosophy, curriculum vitae, and arrange to have three letters of reference sent to: **Chair, Search Committee, Department of Biological Sciences, Rochester Institute of Technology, 85 Lomb Memorial Drive, Rochester, NY 14623-5603.**

*RIT is an Equal Opportunity/Affirmative Action Employer and especially encourages applications from persons able to contribute in a meaningful way to the Institute's commitment to diversity and pluralism.*

### CHAIR

#### Department of Environmental Health Sciences

The Tulane University School of Public Health and Tropical Medicine seeks qualified candidates for the Chair of the Department of Environmental Health Sciences. The Department, composed of 22 resident faculty and more than 100 graduate students, has research, teaching, and service interests in the areas of environmental toxicology, hazardous waste management, industrial hygiene, risk assessment, water quality management, environmental policy and management, and environmental health for developing countries. Joint degree programs are also offered with the Schools of Medicine, Engineering, Law, and Business. Candidates must have a Ph.D., Dr.P.H., Sc.D., or M.D. degree. The successful candidate is expected to be an experienced teacher, a nationally recognized Investigator in one or more of the areas noted above, with an extramurally funded research program, excellent managerial and communication skills, and a record of collaboration in both university and industry.

To apply, please submit a letter outlining current interests and relevant experience, curriculum vitae, and the names of three references. The Search Committee will screen applications until the position is filled. Send applications to:

**Judith Overall, J.D., Chair, Search Committee  
Dean's Office, TW13  
Tulane University School of Public Health  
and Tropical Medicine  
1440 Canal Street, Suite 2430  
New Orleans, LA 70112**

*Tulane University is an Equal Opportunity/Affirmative Action Employer and encourages women and minorities to apply.*

## POSITIONS OPEN

### FACULTY POSITIONS

#### Health Services Research and Pharmacogenomics Clinical Sciences and Administration Department College of Pharmacy University of Houston

The University of Houston College of Pharmacy invites qualified individuals to apply for full-time, tenure-track faculty positions at the rank of **ASSISTANT PROFESSOR**. Areas of research interest sought are pharmacogenomics (two) and health services research. The successful candidates will join existing groups of academicians in the area and be expected to develop and maintain an independent research, teaching, and service program.

Candidates should possess a PharmD., Ph.D., and/or M.D. degree and have completed postdoctoral training programs in the research area. Clinician applicants must be eligible for Texas licensure. Salary and rank will be commensurate with qualifications and experience.

Applicant screening will be immediate and will continue until the positions are filled. Interested individuals should forward a letter of intent; complete curriculum vitae; and the names of three references with regular and e-mail addresses, telephone numbers, and FAX numbers to:

**Randall Prince, Pharm.D.  
Professor and Chair  
Clinical Sciences and Administration  
College of Pharmacy  
University of Houston  
1441 Moursund Street  
Houston, TX 77030**

**Telephone: 713-795-8389; FAX: 713-795-8383  
E-mail: [rprince@uh.edu](mailto:rprince@uh.edu)**

*The University of Houston is an Affirmative Action/Equal Opportunity Employer. Minorities, women, veterans, and persons with disabilities are encouraged to apply.*

### POSTDOCTORAL POSITION Vascular Cell and Molecular Biology Harvard Medical School

Immediate opening for Postdoctoral Fellowship in The Vascular Research Division, Department of Pathology, Brigham and Women's Hospital, to study T lymphocyte-endothelial cell adhesion and signaling with emphasis on biochemical and molecular identification of selectin ligands (*Nature* 398:718; *J. Immunol.* 162:3193; *J. Immunol.* 167:4476; *Eur. J. Immunol.* 32:2766; see [website: http://fwl.bwh.harvard.edu](http://fwl.bwh.harvard.edu)). Requires recent Ph.D., M.D., or M.D./Ph.D. and strong background in molecular biology, intracellular signaling, and biochemical techniques. Send curriculum vitae, brief description of research, and names of three references to: **Dr. Bill Fluscskas, Brigham and Women's Hospital, Boston, MA; e-mail: [fluscskas@rics.bwh.harvard.edu](mailto:fluscskas@rics.bwh.harvard.edu). We are an Equal Opportunity Employer.**

**POSTDOCTORAL FELLOW** position available to study the cell biology, function, and signaling of presenilins and their interactions with APP and the cadherin family of proteins and their role in development of Alzheimer's neurodegeneration and amyloid production (see [Georgakopoulos et al., Mol. Cell](http://www.gorgakopoulos.com) 4:893, 1999; [Marambaud et al., EMBO J.](http://www.marambaud.com) 21: 1948, 2002). Experience in molecular biology and/or biochemistry is required. Send curriculum vitae and references to: **Beverly Yang, Robakis Laboratory, Department of Psychiatry and Fishberg Research Center for Neurobiology, Mount Sinai School of Medicine, 1 Gustave Levy Place, Box 1229, New York, NY 10029. E-mail: [beverly.yang@mssm.edu](mailto:beverly.yang@mssm.edu).**

**RESEARCH POSITIONS** in molecular biology. A Research position is available at Department of Obstetrics/Gynecology at Stony Brook University. We are interested in the biologic activities of lefty, which has significant role in embryogenesis, implantation, and carcinogenesis. Candidate should have Ph.D. degree and experience in molecular biology. Send résumé to e-mail: [tabibzadeh@bioscience.org](mailto:tabibzadeh@bioscience.org); Telephone: 516-484-2831; website: <http://www.bioscience.org/services/availabl/position.htm>.

## POSITIONS OPEN

### ENDOWED CHAIR

#### Evelyn F. McKnight Chair for Brain Research in Memory Loss Evelyn F. and William L. McKnight Brain Institute of the University of Florida

The University of Florida announces the creation of an Endowed Chair for a Scientist working on mechanisms of age-related changes in memory. Potential areas of research may include studies ranging from molecular to systems approaches. Applicants must have a Ph.D. and/or M.D. degree and evidence of a nationally recognized research program. Laboratory and office space will be provided in the new state-of-the-art Evelyn F. and William L. McKnight Brain Institute Building ([website: http://www.mbi.ufl.edu](http://www.mbi.ufl.edu)). Salary and academic rank of **ASSOCIATE PROFESSOR** or above for this tenure-track position will be commensurate with experience.

Send curriculum vitae, a statement of research goals, and the names of three references to:

**Dr. John M. Petitto  
Chair of the Search Committee  
McKnight Brain Institute  
100 Newell Drive, Box 100015  
University of Florida  
Gainesville, FL 32610-0015**

**Telephone: 352-294-0416; FAX: 352-294-0425  
E-mail: [jpetitto@psych.med.ufl.edu](mailto:jpetitto@psych.med.ufl.edu)**

Applications should be received by February 1, 2003. The anticipated earliest start date is July 1, 2003. *The University of Florida is an Equal Opportunity Employer. Minorities and women are encouraged to apply.*

The Department of Neurosurgery, University of Pittsburgh School of Medicine, is seeking to recruit two **POSTDOCTORAL FELLOWS/RESEARCH ASSOCIATES** for our expanding brain tumor research program. Successful applicants will join a multidisciplinary team investigating strategies involving signal transduction modulation in the treatment of CNS tumors. Ongoing projects are exploring genotypic correlates of treatment response to a variety of signaling inhibitors and effects on downstream growth and apoptotic signaling. This project comprises one aspect of an NIH-funded program project and incorporates extensive interdisciplinary collaborations with other Scientists in the program and Cancer Institute. Successful candidates should have a Ph.D. or M.D. degree with previous research experience involving molecular biology, protein analysis, and animal tumor models. In order to ensure full consideration, curriculum vitae and three letters of reference should be received by December 1, 2002. **Ian F. Pollack, M.D., F.A.C.S., Walter Dandy Professor of Neurosurgery, UPMC/Children's Hospital of Pittsburgh, 3706 Fifth Avenue, Pittsburgh, PA 15213. E-mail: [ian.pollack@chp.edu](mailto:ian.pollack@chp.edu). The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.**

Comanche County Memorial Hospital, a 283-bed hospital, is opening a new vascular research laboratory in January 2003. We are looking for a Ph.D. to work closely with the cardiovascular team on vascular biology/disease. The research will focus on mechanisms of vascular inflammation and remodeling. The successful candidate should have a Ph.D. and a minimum of three years of research experience. Expertise in cell biology, biochemistry, and molecular biology is preferred. Also, the candidate should have experience in cell/tissue culture, basic molecular biology techniques such as DNA/RNA isolation, RT-PCR, Southern and Northern blotting, *in situ* hybridization, PAGE, Western blotting, and immunohistochemistry. The successful candidate will benefit from interactions with research groups in the University of Oklahoma and other academic institutions. An excellent salary and benefits package is offered. Interested applicants please send résumé to:

**Comanche County Memorial Hospital  
Attention: Human Resources  
P.O. Box 129  
Lawton, OK 73502**



**FLORIDA ATLANTIC UNIVERSITY  
SCHMIDT SENIOR FACULTY FELLOW/PROFESSOR  
DEPARTMENT OF BIOMEDICAL SCIENCE**

Florida Atlantic University is pleased to request nominations and applications for the position Schmidt Senior Faculty Fellow in Biomedical Science. The Schmidt Fellows will provide the core senior faculty in the Department of Biomedical Science. We are seeking a senior level scientist at the full professor level with an excellent record of research and extramural funding. The current areas of research strength in the Charles E. Schmidt College of Science include neuroscience, cardiovascular development and function, molecular and cellular biology of cancer, hormonal regulation of gene expression, developmental biology, extracellular matrix, bioactive peptides, therapeutic potential of natural products and epidemiology. The research program of the Schmidt Fellow can complement these areas but may also represent a new area of research within biomedical science. Teaching expertise must be in one of the following areas: genetics, physiology, pharmacology, pathology, epidemiology, histology or microbiology. The position comes with excellent start-up funds and salary.

The Department of Biomedical Science is housed in a new, 93,000 sq. ft. facility, the Schmidt Biomedical Science Center. Funding for this building, and an endowment to ensure ongoing support for research and teaching of distinction, was from an extraordinary gift of \$15 million from the Schmidt Family Foundation and matched from the State of Florida. The academic responsibilities of the Schmidt Senior Faculty Fellow will be to provide scientific leadership in the Department of Biomedical Science and to teach graduate students and medical students in conjunction with the University of Miami School of Medicine.

The Charles E. Schmidt College of Science is centered on the Boca Raton campus of Florida Atlantic University, approximately 50 miles north of Miami. Applicants should send a curriculum vitae along with a cover letter outlining the applicant's research and teaching interests and a list of three references to **Dr. Jang-Yen. Wu, Chair, Schmidt Fellow Search Committee, Department of Biomedical Science, Charles E. Schmidt College of Science, Florida Atlantic University, PO Box 3091, Boca Raton, FL 33431 by January 15, 2003.**

**FLORIDA ATLANTIC UNIVERSITY  
ASSISTANT/ASSOCIATE PROFESSOR  
DEPARTMENT OF BIOMEDICAL SCIENCE**

Florida Atlantic University is seeking to appoint 5 faculty members at the rank of assistant professor or associate professor in the Department of Biomedical Science. The successful candidate must demonstrate the capability to perform outstanding biomedical research. Areas of research strength are listed in the Schmidt Senior Fellow advertisement. Applicants may complement these areas but may have expertise in any area of biomedical science. Excellent start-up funds and salaries are available.

The faculty member is expected to maintain an active research program and to obtain external funding. The faculty member will be expected to contribute to the teaching programs of the Department of Biomedical Science and to participate in teaching of medical students in conjunction with the University of Miami School of Medicine. Teaching expertise must be in one of the following areas: genetics, physiology, pharmacology, pathology, epidemiology, histology or microbiology. Applicants should send a curriculum vitae, along with a cover letter outlining the applicant's teaching and research interests, and a list of three references, to **Dr. Janet Blanks, Assistant Chair, Department of Biomedical Science, Charles E. Schmidt College of Science, Florida Atlantic University, PO Box 3091, Boca Raton, FL 33431 by January 15, 2003.**

*Florida Atlantic University is an Equal Opportunity/Access/Affirmative Action Institution*

**COLUMBIA UNIVERSITY  
School of Dental and Oral Surgery  
Associate Dean for Research Affairs**

The School of Dental and Oral Surgery (SDOS) of Columbia University is currently recruiting for the position of Associate Dean for Research Affairs with a faculty appointment at the Associate Professor or Professor level. Position is available July 1, 2003. SDOS is part of Columbia University's Health Sciences campus, one of the nation's leading research institutions, providing an exciting intellectual environment.

The Associate Dean for Research Affairs (who must hold a dental, medical, or Ph.D. degree, or its equivalent) will direct the research and research education activities of SDOS while providing leadership for the growth and further development of such activities.

Research training is a fundamental part of the mission of both predoctoral and postdoctoral education at SDOS. To provide leadership in designing and directing educational programs, the successful applicant should have experience as an educator in a dental and/or a medical curriculum related to the needs of dental students.

The Associate Dean for Research Affairs will also provide scientific leadership through his/her own research activities. The successful candidate must have a well-established, productive, and funded research program in an area related to oral biology and dental science. Areas of interest to the School include, but are not limited to, molecular biology and genetics, craniofacial growth and development, inflammation, infectious diseases, pharmacology, and bioengineering.

In addition, the Associate Dean for Research Affairs will coordinate all research activities in the School as well as establish new research programs. Programmatic areas of ongoing research include: (1) oral infection, oral inflammation, and systemic disease; (2) oral health care needs of the at-risk patient; and (3) biomedical engineering. SDOS has also established the Center for Clinical Research in Dentistry, which is a resource for clinical research activities.

Please send résumé, and a letter expressing interest in this position, and qualifications for the position to Andrew L. Wit, Ph.D., Professor of Pharmacology, College of Physicians and Surgeons of Columbia University, 630 West 168th Street, New York, NY 10032.

Columbia University takes affirmative action toward equal employment opportunity.



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Pioneer Hi-Bred International, Inc. is the world leader in the discovery, development and delivery of elite crop genetics. We are seeking a highly motivated individual to lead the development and integration of various transcript profiling technologies into our broad trait discovery and development programs. This individual will maintain an effective interaction with the bioinformatics group, the transcript profiling group, and research scientists within the Crop Genetics Research and Development (CGRD) organization to ensure the function connection of cutting-edge gene expression technology with the research and development activities in the CGRD. This individual also will serve as a technical resource in the area of gene expression to provide technical advice as well as to lead the evaluation of new internal and external gene expression technologies. This position requires strong organization, leadership and communication skills. The successful applicant should have experience in molecular methods and a strong interest in the application of cutting-edge gene expression technologies for trait discovery and development. Specific experience with the oligonucleotide-based gene expression is preferred but not required. Applicants must have a PhD in biological sciences with at least two years of post-doctoral experience. Visit [www.pioneer.com](http://www.pioneer.com) for a complete job description.

You must reference Job Code **RES/PP327/PSC** in order to be considered. Please send a resume/cover letter and three references to: **Employment Services, Pioneer Hi-Bred International, PO Box 14454, Des Moines, IA 50306-3454**, or Email: [apply@pioneerjobs.com](mailto:apply@pioneerjobs.com).

EOE

## POSITIONS OPEN

# ACORDA

THERAPEUTICS

## RESEARCH ASSOCIATE CELL MOLECULAR BIOLOGY

We are seeking an individual with experience in primary cell culture, cell line maintenance, general molecular techniques, FACS, immunocytochemistry, and immunohistochemistry. Additional responsibilities can include data analysis and general laboratory duties. The successful candidate will have a high level of organization and precision as well as strong communication and teamwork skills. Experience with small animal surgeries as well as a background in neurobiology a plus but not essential.

We offer competitive compensation and an excellent benefit package. Please send résumés with salary history to: **Acorda Therapeutics, Inc., 15 Skyline Drive, Hawthorne, NY 10532, Attention: Human Resources Department. E-mail: dduca@acorda.com.**

## DIRECTOR

### Boston Biomedical Research Institute (BBRI)

Applicants and nominations are invited for Director of BBRI. The Director is a member of both the faculty and the Board of Trustees and chairs an elected faculty governance committee. Currently, the Director's position is divided between Institute duties and the Director's own funded research program. The successful candidate will have a distinguished scientific research record. He/she will provide administrative leadership and direct fundraising from philanthropic sources in cooperation with the Board of Trustees, Faculty, and Development Office of the Institute.

BBRI (website: <http://www.bbri.org>), a 32-year-old, internationally renowned, independent, nonprofit institute dedicated to basic biomedical research, occupies a new state-of-the-art facility located a mile west of Harvard Square. Major research interests of the 26 Principal Investigators, who are funded largely by NIH, include muscle biology, cell motility, signal transduction, and structural biology.

Detailed information about BBRI and the Director's position is available upon request. Inquiries, nominations, and applications should be sent to:

**Lynne Coluccio, Ph.D., and  
Jake Layton, Co-Chairs  
Director Search Committee  
Boston Biomedical Research Institute  
64 Grove Street  
Watertown, MA 02472  
E-mail: coluccio@bbri.org or  
marika@auerbach-assc.com**

Complete applications should include curriculum vitae, names and contact information of five or more references, and a cover letter addressing the long-term scientific goals of an applicant's research program and his/her potential for administrative and fund-raising leadership. Applications will be accepted until the position is filled.

The Institute has retained the services of **Judith Auerbach and Nicholas Brill of Auerbach Associates** to assist the Search Committee. Telephone: 617-451-0095; FAX: 617-451-5199. BBRI has adopted a policy on diversity and welcomes applications from members of underrepresented groups.

**RESEARCH ASSOCIATE/POSTDOCTORAL FELLOW.** An established laboratory is seeking a dynamic and self-motivated Molecular Biologist with expertise in Type 1 interferon response and signal transduction. Ph.D. and/or M.D. degree required. Competitive salary and benefits offered. Interested candidates should submit updated curriculum vitae and bibliography to: **Professor Savio Woo, Mount Sinai School of Medicine, New York City; e-mail: savio.woo@mssm.edu.**

## POSITIONS OPEN

### POSTDOCTORAL RESEARCH ASSOCIATE Drug Abuse Research

Applications are invited for a Postdoctoral Research Associate position in the Department of Psychiatry and Human Behavior at the University of Mississippi Medical Center. Candidates should have a Ph.D. in pharmacology, psychology, or neuroscience and expertise in drug abuse research using nonhuman subjects. The research program emphasizes drug self-administration studies with nonhuman primates. Experience with nonhuman primates is desirable but not essential. Applicants should send curriculum vitae, a statement of research interests and goals, and names of three references to:

**William L. Woolverton, Ph.D.  
Department of Psychiatry and Human Behavior  
The University of Mississippi  
Medical Center  
2500 North State Street  
Jackson, MS 39216**

Applications will be accepted until the position is filled. *Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.*

### POSTDOCTORAL POSITION Molecular Carcinogenesis

We are using recently developed transgenic mouse models to identify signaling events downstream from polyamines and an activated Ras that can be targeted to prevent and/or treat cancer. The successful candidate will investigate novel, polyamine-mediated alterations in chromatin remodeling that affect transcriptional regulation in skin tumor progression using chromatin immunoprecipitation (ChIP), laser capture microdissection (LCM), HAT/HDAC analyses, and reporter gene-based strategies. We are seeking a motivated, recent Ph.D. with strong background in cell/molecular biology. Position available immediately. Interested applicants may send their curriculum vitae, three references, and a brief summary of research interests to: **Susan K. Gilmour, Ph.D., Lancaster Avenue, Wynnewood, PA 19096. E-mail: gilmours@mlhs.org; website: <http://www.limr.org>. Equal Opportunity Employer/Minorities/Females/Disabled/Veterans.**

### POSTDOCTORAL POSITION Structural Biology

A Postdoctoral position to study novel aspects of the structure and function of the GTPase subunit of the signal recognition particle (SRP) will be available in spring 2003. The project is aimed at extending our understanding of the cell biology of the SRP GTPase and will have both biochemical and structural goals. Therefore, applicants with experience in molecular biology, protein chemistry, or X-ray crystallography will be considered; however, initiative in all three areas will be expected. Salary will be generous and commensurate with experience. Send curriculum vitae, statement of research accomplishments, and three letters of recommendation to: **Dr. Douglas Freymann, Molecular Pharmacology and Biological Chemistry, Northwestern University, Ward 8-296, 303 East Chicago Avenue, Chicago, IL 60611. FAX: 312-503-5349; e-mail: freymann@northwestern.edu.**

**ASSISTANT PROFESSOR, PLANT ECOLOGY/SYSTEMATIC BOTANY:** Mansfield University, tenure track, August 2003. Teach ecology, botany for majors, and general biology for nonmajors. Ph.D. in biology or related field required for tenure. A.B.D.s considered (Doctorate required for continued employment). Complete job posting at website: <http://www.mnsfld.edu/depts/resource/F714.htm>. Submit curriculum vitae; statement of teaching philosophy/research interests; copies of undergraduate/graduate transcripts; and names, addresses, telephone numbers, and e-mail addresses of three references to: **Position F-714, Human Resources Department, 111 Alumni Hall, Mansfield University, Mansfield, PA 16933.** Postmark deadline: February 14, 2003. *Affirmative Action/Equal Opportunity Employer.*

## POSITIONS OPEN



### POSTDOCTORAL FELLOWS Ruttenberg Cancer Center DNA Damage Checkpoints

Mount Sinai School of Medicine, a leader in medical education and research, has positions available to study DNA damage responses mediated through Chk1 signaling. Projects will focus on molecular, biochemical, and cell biological approaches to both cultured cells and engineered mice cells in the study of both basic biology and the development of anticancer therapies. Successful candidates must be highly motivated with a research background relevant to these approaches.

The Ruttenberg Cancer Center has excellent modern research facilities and offers competitive salaries and associated benefits. For consideration, please e-mail your curriculum vitae and details for at least three references to: **Dr. Matthew O'Connell; e-mail: matthew.oconnell@mssm.edu. Equal Opportunity Employer.**

**POSTDOCTORAL POSITION** available immediately in the laboratory of **Dr. Sunil Kapila** at the University of California, San Francisco (UCSF). Project focus is to determine the mechanisms by which female reproductive hormones contribute to joint diseases in general and temporomandibular joint (TMJ) disease in particular and in bioengineering of fibrocartilage. Using molecular, cellular, animal, and clinical studies, his group is studying how specific hormones cause degeneration of joint cartilaginous and fibrocartilaginous tissues. In a secondary area of research, they are investigating how mechanotransduction modulates matrix synthesis and degradation in chondrocytes and how cellular differentiation affects these responses. Successful candidates must have a Ph.D. degree with a focus in cellular and molecular biology or relevant disciplines. Postdoctoral salaries are in accordance with NIH guidelines. Benefits to include full medical coverage.

Interested applicants should submit curriculum vitae, brief statement of research interest, and names of references to: **Dr. Sunil Kapila, c/o Adam Nedelman, UCSF, Campus Box 0438, San Francisco, CA 94143-0438. E-mail: pman@itsa.ucsf.edu. The University of California is an Equal Opportunity Employer dedicated to excellence through diversity.**

### POSTDOCTORAL FELLOWSHIP Systems Biology Boston University

Available immediately to reverse engineer and analyze gene regulatory networks in bacteria and yeast. Applicant will work with **Drs. J. J. Collins and Charles Cantor**. Applicants must have a Ph.D. or M.D. and should be experienced in prokaryotic or eukaryotic cell culture and transfection, microscopy, standard recombinant DNA techniques, transcriptional regulation, and reporter assays. Some experience with bioinformatics techniques is preferred. Applicants should send a brief statement of research interests, curriculum vitae, and names of three references to: **Dr. J. J. Collins, Department of Biomedical Engineering, Boston University, 44 Cummington Street, Boston, MA 02215. E-mail: abl@bu.edu.**

### POSTDOCTORAL POSITION Molecular Immunology of HIV

Projects include stimulation of HIV vaccines by TNF superfamily ligands (especially CD40L) and regulation of the HIV preintegration complex (PIC) by T cell or macrophage activation. Send curriculum vitae and names of three references by e-mail: **rkornbluth@ucsd.edu** or to: **Richard S. Kornbluth, M.D., Ph.D., University of California, San Diego 0679, 9500 Gilman Drive, La Jolla, CA 92037-0679.**

## FELLOWSHIPS

### COTTRELL POSTDOC FELLOWSHIPS UNC at Chapel Hill

We invite applications for a new postdoctoral fellowship program funded by the Frederick Gardner Cottrell Foundation at the University of North Carolina at Chapel Hill. These fellowships will be awarded to outstanding candidates to work on interdisciplinary problems, involving mentoring in two different disciplines. The initial stipend will be \$40,000 with allowance for moving, travel and research expenses.

UNC-CH has over 180 research faculty with strengths in a broad range of biomedical research problems. View the list of biomedical research faculty at [www.med.unc.edu/pmbb/ibms/](http://www.med.unc.edu/pmbb/ibms/). For more information contact **Dr. Sharon Milgram**, [milg@med.unc.edu](mailto:milg@med.unc.edu). (No phone calls, please)



Department of Health and Human Services  
National Institutes of Health  
National Institute of Environmental Health Sciences



### Executive Secretary Positions, National Toxicology Program

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 National Institute of Environmental Health Sciences, a major research component of the National Institutes of Health (NIH), and the Department of Health and Human Services, is recruiting two senior biologists or toxicologists in the Environmental Toxicology Program to serve as executive secretaries for one or more of the external federally chartered advisory groups, including but not limited to the National Toxicology Program (NTP) Executive Committee, the NTP Board of Scientific Counselors and its two standing subcommittees (the Report on Carcinogens Subcommittee and the Technical Reports Review Subcommittee) and the Scientific Advisory Committee on Alternative Toxicological Methods. The incumbent will also oversee the management and organization of other NTP panels and workshops, as needed.

**Responsibilities** include the management of committee activities, i.e., preparing nomination slates, organizing meetings, managing peer reviews, serving as point-of-contact with members, records maintenance, and serving as liaison with the NIH Committee Management Office, other Federal agencies and the public and private sectors. The incumbent will also be responsible for the analysis and development of scientific and technical information in preparation of programmatic reports and other documents. General information about the NTP, including its committees, centers, meetings, and reports, is available on-line at <http://ntp-server.niehs.nih.gov>.

**Qualification requirements** include a medical degree, doctoral degree or equivalent in toxicology or a related field with a strong record of accomplishments in the review and summarization of toxicological data and publications demonstrating an understanding of the broad array of data considered in an overall review of toxicological data. Priority will be given to applicants who demonstrate the ability to foster effective scientific ability to create an atmosphere for maximum creativity, productivity, and cooperation; and have primary interests in the toxicological evaluation of environmental agents that cause disease.

**Further Information:** The incumbent will be a Title 42 Staff Scientist with an initial appointment of five years, renewable every one to five years indefinitely. Salary commensurate with background, and a full Civil Service package of benefits (including retirement, health, life and long term care insurance, Thrift Savings Plan participation, etc.) is available. Excellent staff support also available. For additional information, contact Dr. John Bucher, Search Committee Chair, at (919) 541-3449 ([bucher@niehs.nih.gov](mailto:bucher@niehs.nih.gov)) or Dr. Mary Wolfe at (919) 541-0530 ([wolfe@niehs.nih.gov](mailto:wolfe@niehs.nih.gov)).

**How to Apply:** Applications from minority groups and women are particularly welcome. Interested persons should submit curriculum vitae, bibliography, brief statement of scientific interests and arrange for three letters of recommendation to be sent by December 31, 2002, to the following address. Applications received after December 31, 2002, will be considered as needed until the positions are filled.



Ms. Tammy Locklear (Vacancy HNV03-03)  
Human Resources Operations Branch E (NIEHS)  
P.O. Box 12233, Maildrop NH-01  
Research Triangle Park, NC 27709  
919-541-3317 e-mail: [locklea1@niehs.nih.gov](mailto:locklea1@niehs.nih.gov)

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The University of Florida's new strategic plan is focused on fostering interdisciplinary research on an institutional level. One of the research directions for this approach is in the area of nanostructures, biological interfaces and applications. The college of engineering is searching for four faculty at all professorial levels in the area of nano/bio. Additional positions and cluster hires are also possible. This search is looking for people independent of traditional academic disciplines. Appropriate appointments in the most relevant department will be obtained for qualified applicants. As examples, we are interested in the following areas:

- Nanoelectronic devices and sensors for biological and medical applications
- Nanoscale drug delivery and detoxification
- Analytical tools for studying nano technology and science
- Smart nanosystems for agricultural, environmental, human nutrition technologies
- Biomolecular electronics, devices, and sensors
- Biomimetics at the nanoscale
- Mind-machine interfaces at the nanoscale

The University of Florida has outstanding colleges of medicine and agriculture and a new biomedical engineering department. We are also collaborating in these research areas with the departments of chemistry and physics in the college of liberal arts and sciences, and we plan to coordinate hiring in these areas. Excellent interdisciplinary research possibilities exist, and we would prefer faculty applicants that can build programs that are inclusive of these other University strengths.

Applicants should send an electronic version of their curriculum vitae (pdf or word doc files preferred) with names of at least 3 references to: **Dr. Mark Law, Chair, Nano/Bio Search Committee, ([nanobioresearch@eng.ufl.edu](mailto:nanobioresearch@eng.ufl.edu))**. If you are unable to submit electronically, please send copies of your vitae and references to: **Dr. Mark E. Law, 535 NEB, P.O. Box 116130, University of Florida, Gainesville, FL, 32611-6130**. Nominations of suitable individuals can be sent to the same address. The search committee will begin reviewing applications on January 31, 2003 and will continue to receive applications until the positions are filled.

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

## POSITIONS OPEN



### POSTDOCTORAL POSITIONS Molecular Analysis of Hematopoietic and Vascular Stem Cells

Two fully funded Postdoctoral positions are available to study molecules involved in activation of mammalian embryonic and adult hematopoiesis and vasculogenesis. This work will focus on inductive interactions, signaling pathways, and transcription factors involved in the formation of stem/progenitor cells and will make use of a novel explant culture system (*Develop.* 125:5009, 1998; Dyer et al., *Develop.* 128:1717, 2001); mouse and human ES cells; and transgenic and knockout mouse strategies.

A strong background in molecular or developmental biology required. Preference will be given to applicants who seek their first postdoctoral position. Please send curriculum vitae and names of three references to: Margaret H. Baron, M.D., Ph.D., Departments of Medicine, Molecular, Cell, and Developmental Biology, Mount Sinai School of Medicine, Box 1079, 1425 Madison Avenue, New York, NY 10029-6574. FAX: 212-849-2442; e-mail: margaret.baron@mssm.edu. Equal Opportunity Employer.

### POSTDOCTORAL POSITION

The Division of Molecular Epidemiology, National Center for Toxicological Research, Food and Drug Administration, is seeking applicants for a Postdoctoral position in molecular epidemiology. Candidates must have a Doctorate in biochemistry. Experience with DNA adducts and/or protein chemistry with knowledge of human biomonitoring is preferred. The successful candidate will join a group conducting cutting-edge molecular biology and epidemiology research focused on developing genomic and proteomic markers of cancer susceptibility and early detection. Starting salary will be approximately \$43,380. Interested individuals should send a cover letter, curriculum vitae, brief summary of experience and research goals, copies of relevant publications, and a list of three references to:

Division of Molecular Epidemiology  
National Center for Toxicological Research  
3900 NCTR Drive, Jefferson, AR 72079  
NCTR is an Equal Opportunity/Affirmative Action Employer.

### POSTDOCTORAL STROKE RESEARCH

Veterans Medical Research Foundation has a position available in neuroscience for a qualified Ph.D. in pharmacological and cell therapy of experimental stroke. Researcher will use animal models of stroke to investigate new therapeutics and mechanisms of injury. Experience with surgery, stem cells, and molecular biology is a plus. Salary based on experience. Send curriculum vitae, statement of research interests, and three references to: Paul Lapchak, c/o Veterans Medical Research Foundation (Job Number PL-PDF-003), 3350 La Jolla Village Drive, Number 151A, San Diego, CA 92161. E-mail: vmrfrh@vapop.ucsd.edu. Affirmative Action/Equal Opportunity Employer.

### TWO POSTDOCTORAL POSITIONS Ischemic Neuronal Injury

One studies the latrotoxin receptors gene expression after cerebral ischemia using molecular biological techniques (*Mol. Brain Res.* 104:246, 2002). The other one studies the dopamine effects on synaptic transmission after ischemia using electrophysiological techniques including patch clamp *in vitro* (*Neurosci.* 114:317, 2002). Ph.D. in related fields is required. Previous experience in stroke research is a plus. Research Assistant Professor position is possible for highly qualified candidates. Send curriculum vitae, summary of research interests, and three reference letters to: e-mail: zxu@anatomy.iupui.edu. Website: <http://www.anatomy.iupui.edu/~zxu/>.

## POSITIONS OPEN

### POSTDOCTORAL RESEARCH ASSOCIATE

Research Associate, Postdoctoral, Department of Environmental and Molecular Toxicology, Oregon State University, 1.0 full-time equivalent. Requires a Ph.D. in biochemistry or molecular biology or a closely related field. Duties include undertaking the cloning of zebrafish cytochrome P450 genes, gene analysis, developmental P450 expression profiling in zebrafish tissues, heterologous expression of cloned P450s in a suitable expression system, protein purification, and enzyme characterization. The successful candidate should have two to three years of experience in the duties above, outstanding work ethics/discipline, an innovative and creative mind with good computer skills relating to the analysis of genes, and should be able to demonstrate excellent communication and team skills. For full consideration, apply by December 13, 2002. Send cover letter, curriculum vitae, and names and addresses of three references to: Donald R. Buhler, Ph.D., Professor, Oregon State University, Department of Environmental and Molecular Toxicology, 1007 ALS, Corvallis, OR 97331. E-mail: donald.buhler@orst.edu.

Oregon State University is an Affirmative Action/Equal Opportunity Employer.

### UNIVERSITY OF LOUISVILLE

#### Obstetrics, Gynecology, and Women's Health

**POSTDOCTORAL POSITION** in molecular biology available immediately to investigate hypertension in pregnancy. The focus is to study regulation of vascular biology genes. An enthusiastic individual is sought with experience in molecular biology techniques. Interested candidates should send inquiries or curriculum vitae to: Dinesh Shah, M.D., Professor and Director, Division of Maternal Fetal Medicine, Department of Obstetrics, Gynecology, and Women's Health, University of Louisville School of Medicine, Louisville, KY 40292. FAX: 502-852-1911; e-mail: z0yu0004@gwise.louisville.edu. University of Louisville is an Equal Opportunity Employer.

**POSTDOCTORAL POSITION:** An NIH-funded Postdoctoral position is immediately available to develop genomic- and proteomic-based technologies for the early detection of cancer and cancer research. Highly motivated Ph.D. or M.D./Ph.D. candidates in life science and related fields are encouraged to apply. Experiences in molecular genetics, cancer biology, and cell culture are preferred. Send curriculum vitae and three reference letters to: Dr. Baochuan Guo, Department of Chemistry, Cleveland State University, 2121 Euclid Avenue, Cleveland, OH 44115. Cleveland State University is an Affirmative Action/Equal Opportunity Employer committed to nondiscrimination. Minorities/Females/Disabled/Veterans encouraged.

### POSTDOCTORAL POSITIONS

#### Immunology

#### Yale University School of Medicine

Positions are available to study the T cell autoreactivity in human or murine lupus or to investigate the biology of host defenses in response to bacterial infections. Experience in cellular and molecular immunology necessary. Send curriculum vitae and research interests to: Joe Craft, M.D., Yale School of Medicine, P.O. Box 208031, New Haven, CT 06520-8031. E-mail: joseph.craft@yale.edu.

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### POSTDOCTORAL FELLOWSHIP

#### University of Pittsburgh

Positions available to study HSV-mediated gene transfer to the nervous system (website: <http://www.pitt.edu/~matafink>). Ph.D. in neuroscience or virology required. Send curriculum vitae and names of three references to: David J. Fink, M.D., Department of Neurology, S-520 BST, 200 Lothrop Street, Pittsburgh, PA 15213. E-mail: dfink@pitt.edu. The University of Pittsburgh is an Equal Opportunity Employer.

## POSITIONS OPEN

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

### POSTDOCTORAL POSITIONS

#### Proteomics of the Eukaryotic

#### Transcription Machinery

#### Vanderbilt University Medical Center

Two Postdoctoral positions are available to examine the proteomics and mechanisms of the eukaryotic transcription machinery. We are dissecting the protein-protein interactions that are important for the modulation of RNA polymerase II-mediated mRNA gene transcription using the Baker's yeast *Saccharomyces cerevisiae* system. We currently utilize a combination of proteomic, biochemical, genetic, and biophysical methods to study the regulation and interactions of these proteins with each other, DNA, other transcription factors, and signal transduction molecules. Details can be obtained at website: [http://www.mc.vanderbilt.edu/vumcdept/mpb/weil/weil\\_lab.html](http://www.mc.vanderbilt.edu/vumcdept/mpb/weil/weil_lab.html). Interested parties should send curriculum vitae and names of references to: Dr. Tony Weil, Department of Molecular Physiology and Biophysics, Vanderbilt University, School of Medicine, Nashville, TN 37232-0615. FAX: 615-322-7236.

### POSTDOCTORAL FELLOWSHIP

#### VIRAL HEPATITIS

#### National Institutes of Health

#### Department of HHS

Postdoctoral positions are available to study the molecular pathogenesis of viral hepatitis B and C. Research projects focus on virus-cell and virus-host interactions and the molecular, cellular, and pathogenic consequences of such interactions with particular interest in novel vaccine and antiviral development. Training in molecular biology, virology, and tissue culture is required and experiences with protein expression, immunologic techniques, and mouse work are strongly preferred. For more detailed information, please search website: [http://nidb.nih.gov/search/search\\_year.taf](http://nidb.nih.gov/search/search_year.taf) for Jake Liang. Applicants should have an M.D. or Ph.D. and should have less than five years of postdoctoral experience. Applicants should send curriculum vitae and three letters of reference to: Dr. T. Jake Liang, LDS, NIDDK, NIH, Building 10-9B16, 10 Center Drive, Bethesda, MD 20892-1800. HHS and NIH are Equal Opportunity Employers.

A **POSTDOCTORAL POSITION** at Massachusetts General Hospital/Harvard Medical School is currently available to study the pathogenesis of cutaneous melanoma. Candidates should have a strong background in molecular biology and molecular genetics along with training in cancer biology. Experience with either genomic technologies or murine cancer models is also desirable. Submit curriculum vitae and three references to: Dr. Hensin Tsao, c/o Ms. Sheronda Ponder-Jackson; e-mail: sponderjackson@partners.org.

### GLOBAL OPPORTUNITIES

**TWO POSITIONS AVAILABLE** at Victoria University of Wellington, New Zealand. Microbiology with molecular biology experience; permanent position. Cell and molecular biology: three year, fixed-term position. Closing date: 13 December 2002. For more information, see the following website: <http://www.nzjobs.co.nz/vuw>.

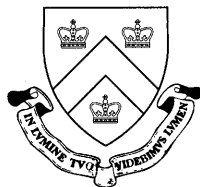
## PRIZES

### THE 2003 LOUISA GROSS HORWITZ PRIZE

The Louisa Gross Horwitz Prize was established under the will of the late S. Gross Horwitz through a bequest to Columbia University and is named to honor the donor's mother. Louisa Gross Horwitz was the daughter of Dr. Samuel David Gross (1805–1889), a prominent surgeon of Philadelphia and author of the outstanding *Systems of Surgery*, who served as president of the American Medical Association.

Each year since its inception in 1967, the Louisa Gross Horwitz Prize has been awarded by Columbia University for outstanding basic research in the fields of Biology or Biochemistry. The purpose of this award is to honor a scientific investigator, or group of investigators, whose contributions to knowledge in either of these fields is deemed worthy of special recognition.

The prize consists of an honorarium and a citation, which are awarded at a special presentation event. Unless otherwise recommended by the Prize Committee, the prize is awarded annually. The 2002 awardees were James E. Rothman, Ph.D., Vice Chairman, Sloan-Kettering Institute and Paul A. Marks Chair, and Chairman, Cellular Biochemistry and Biophysics Program, Sloan-Kettering Institute; Randy Wayne Schekman, Ph.D. Professor, Department of Molecular and Cell Biology and Howard Hughes Investigator, University of California Berkeley.



#### QUALIFICATIONS FOR THE AWARD

The Prize Committee recognizes no geographical limitations. The prize may be awarded to an individual or a group. When the prize is awarded to a group, the honorarium will be divided among the recipients, but each member will receive a citation. Preference will be given to work done in the recent past.

Nominations for prospective recipients should be given to the chairman of the Louisa Gross Horwitz Prize Committee, Dr. Marian Carlson. Nomination letters should include:

1. A summary, preferably less than 500 words, of the research on which this nomination is based.
2. A summary, preferably less than 500 words, of the significance of this research in the fields of biology or biochemistry.
3. A brief biographical sketch of the nominee, including positions held and awards received by the nominee.
4. A listing of up to ten of the nominee's most significant publications relating to the research noted under item 1.
5. A copy of the nominee's curriculum vitae.

**An original and twelve (12) copies** of each nomination should be sent to: Dr. Marian Carlson, Chairman of the Louisa Gross Horwitz Prize Committee, Office of the Vice President for Health Sciences and Dean of the Faculty of Medicine, Columbia University, 630 West 168th Street, Room 2-401, New York, NY 10032.

**Deadline for the receipt of nominations is January 17, 2003.**

## WORKSHOPS

Announcing an Intensive Summer Workshop at the Santa Fe Institute:

### FROM NEURON TO NETWORK— BIOPHYSICALLY-BASED FUNCTIONAL MODELS

**Dates:** July 27—August 8, 2003 • **Location:** Santa Fe Institute, Santa Fe, New Mexico, USA • **Housing:** St. John's College, Santa Fe, NM • **Organizing Committee:** Hanna Parnas (Hebrew University), Lee Segel (Weizmann Institute of Science), and Terry Sejnowski (Salk Institute)

**DESCRIPTION:** This workshop is designed for graduate students, postdocs, and junior faculty members with a solid knowledge of neurobiology and an interest in using theory. The tasks of the workshop are to introduce participants to hands-on computer simulations of small neuronal networks, to realize the ability of such models to explain selected experimental results, and to provide a vision of future uses of models and simulations in providing understanding of function in large neuronal networks, as in the brain.

**COSTS:** No tuition is charged. Housing and meals will be provided, at no cost to participants, at St. John's College in Santa Fe, NM. Housing will be in single dormitory rooms with shared bathrooms. Some travel funding is available.

**HOW TO APPLY:** Provide a current resume with publications list (if any), a statement of research interests and comments about why this workshop would be beneficial to you, and two letters of recommendation from scientists who know your work.

**Online—**You may submit your materials using our online form at <http://www.santafe.edu/mathannounce03.html>. Online application is strongly encouraged.

**Postal mail—**Include your e-mail address and fax number, and specify whether you wish to apply for a travel scholarship. Do not bind your application materials in any manner. Send application materials to:

Neuron to Network Workshop  
Santa Fe Institute  
1399 Hyde Park Road  
Santa Fe, New Mexico 87501 USA

Applications must be postmarked or electronically submitted by: **March 21, 2003.**

Please visit <http://www.santafe.edu/mathannounce03.html> for further details about the workshop, or e-mail [mathmodel@santafe.edu](mailto:mathmodel@santafe.edu). *Women, minorities, and students from developing countries are encouraged to apply.*



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