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Full Programs in *Science*: Winter/Spring - October 6, 2000 & Summer/Fall - February 16, 2001
Be sure to check the GRC web site for the exact start dates and times for each Conference.

2001 INTERNATIONAL

ITALY/U.K.

Conference Title	Chair	Location	Date
Aging, Biology of	James F Nelson & Phyllis M Wise	Queen's College, Oxford	July 22-27
Biodegradable Polymers	Michel Vert	Queen's College, Oxford	July 8-13
Calcium Signalling	Tullio Pozzan	Queen's College, Oxford	Sept 2-7
Cell Death	David Vaux	Queen's College, Oxford	July 15-20
Chemical Sensors & Interfacial Design	Deborah H Charych	Il Ciocco, Italy	May 6-11
Computational Aspects of Biomolecular NMR	David A Case & Michael Nilges	Il Ciocco, Italy	May 6-11
Excitatory Amino Acids & Brain Function	Peter H Seeburg	Il Ciocco, Italy	May 20-25
Malaria	Chris Newbold	Queen's College, Oxford	Aug 5-10
Matrix Metalloproteinases	Henning Birkedal-Hansen	Il Ciocco, Italy	May 13-18
Mechanisms of Cell Signalling	Ed Manser	Queen's College, Oxford	Aug 12-17
Microfluidics, Physics & Chemistry of	Yolanda Fintschenko	Queen's College, Oxford	July 29-Aug 3
Molybdenum & Tungsten Enzymes	C.David Garner & Ralf Mendel	Queen's College, Oxford	July 1-6
Myogenesis	Barbara Wold	Il Ciocco, Italy	April 29-May 4
Neurovirology	Eugene O Major	Queen's College, Oxford	Aug 26-31
Photoacoustic & Photothermal Phenomena	Daniele Fournier & Jan T Thoen	Queen's College, Oxford	Aug 19-24
Solid State Chemistry II	Bernd Harbrecht	Queen's College, Oxford	Sept 16-21
Superconductivity	Victor J.Emery & Peter B Littlewood	Queen's College, Oxford	Sept 9-14

2001 SUMMER

CONNECTICUT/MASSACHUSETTS/NEW HAMPSHIRE/RHODE ISLAND

Conference Title	Chair	Location	Date
Analytical Chemistry	Paul W Bohn	Connecticut College	June 24-29
Angiogenesis & Microcirculation	David A Cheresch	Salve Regina University	Aug 12-17
Applied & Environmental Microbiology	Harold L Drake	Connecticut College	July 22-27
Archaea: Ecology, Metabolism & Molecular Biology	Charles J Daniels	Proctor Academy	August 5-10
Atherosclerosis	Alan R Tall	Kimball Union Academy	June 24-29
Atmospheric Chemistry	Stanley P Sander	Salve Regina University	June 17-22
Atomic Physics	Steven L Rolston	Williams College	June 17-22
Barrier Function of Mammalian Skin	Chris Cullander	Roger Williams University	Aug 5-10
Bioenergetics	William A Cramer	Kimball Union Academy	June 17-22
Bioinformatics: From Inference to Predictive Models (NEW)	Jeffrey D. Thomas & Adam Arkin & Ruth VanBogelen	Tilton School	Aug 19-24
Biological Molecules in the Gas Phase (NEW)	Michael Bowers	Connecticut College	June 10-15
Biomaterials:Biocompatibility/Tissue Engineering	David W Grainger	Holderness School	July 22-27
Bioorganic Chemistry	Hung-Wen Liu & Klaus M Gubernator	Proctor Academy	June 17-22
Bones & Teeth	Gerard Karsenty	Kimball Union Academy	Aug 19-24
CAG Triplet Expansion Disorders (NEW)	Patrik Brundin	Mount Holyoke College	July 15-20
Cancer	Guillermina Lozano	Salve Regina University	July 29-Aug 3
Carbohydrates	Eric J Toone	Tilton School	June 17-22
Catecholamines	Randy D Blakely	Proctor Academy	July 8-13
Cell Contact & Adhesion	David R Colman	Proctor Academy	June 10-15
Cell Proliferation, Molecular & Genetic Basis of	Benjamin G Neel	Colby-Sawyer College	July 1-6
Cellulases & Cellulosomes	Edward A Bayer	Proctor Academy	July 29-Aug 3
Ceramics, Solid State Studies in	Stephen J Bennison	Kimball Union Academy	Aug 12-17
Chemical Oceanography	Steven Emerson	Tilton School	Aug 12-17
Chemical Senses: Taste & Smell	Robert F Margolskee & Stuart Firestein	Salve Regina University	July 1-6
Chemotherapy of Experimental Clinical Cancer	Edward Sausville	Colby-Sawyer College	July 15-20
Chronobiology	Nicholas Mrosovsky	Salve Regina University	Aug 5-10
Clusters, Nanocrystals & Nanostructures	Paul Alivisatos	Connecticut College	July 29-Aug 3
Coastal Ocean Circulation	John S Allen	Colby-Sawyer College	June 10-15
Coatings & Films	Rose A Rytz	Colby-Sawyer College	July 15-20
Collagen	Kari I Kivirikko	Colby-Sawyer College	July 29-Aug 3
Combinatorial Chemistry	John S Kiely & Hans Ulrich Stilz	Tilton School	July 15-20
Comparative Hematopoiesis	Fern Tablin	Colby-Sawyer College	Aug 12-17
Condensed Matter Physics	Paul M Chaikin	Connecticut College	June 17-22
Developmental Biology	Marianne Bronner-Fraser & Mark Krasnow	Proctor Academy	June 24-29
Drug Metabolism	Cosette J Serabjit-Singh	Holderness School	July 8-13
Dynamics at Surfaces	Bruce D Kay	Proctor Academy	Aug 12-17

Conference Title	Chair	Location	Date
Elastin & Elastic Fibers	Lynn Y Sakai	Kimball Union Academy	July 29-Aug 3
Elastomers	Georg G Bohm	Colby-Sawyer College	Aug 5-10
Electron Distribution & Chemical Bonding	Claude Lecomte	Mount Holyoke College	July 8-13
Electronic Materials, Chemistry of	Wayne L Gladfelter & Joseph M Jasinski	Connecticut College	July 15-20
Enzymes, Coenzymes & Metabolic Pathways	Karen S Anderson & Ruma Banerjee	Kimball Union Academy	July 22-27
Epigenetics	Denise P Barlow & Eric U Selker	Holderness School	Aug 12-17
Epithelial Differentiation & Keratinization	Elaine V Fuchs	Tilton School	July 8-13
Fertilization & Activation of Development	Harvey M Florman	Holderness School	July 29-Aug 3
Forested Catchments, Hydro/Geo/Bio Processes	Bridget Emmett & Gary M Lovett	Proctor Academy	July 22-27
Free Radical Reactions	Marc M Greenberg	Holderness School	July 15-20
Fuel Cells	Robert F Savinell & Hubert Gasteiger	Roger Williams University	July 29-Aug 3
Genetic Toxicology	Thomas A Kunkel	Colby-Sawyer College	Aug 12-17
Gravitational Effects In Physico-Chemical Systems	Paul H Steen	Colby-Sawyer College	July 8-13
Gravitational Effects on Living Systems	Ruth Anne Eatock	Connecticut College	July 1-6
Heterocyclic Compounds	Scott E Denmark	Salve Regina University	July 8-13
High Temperature Corrosion	Peggy Y Hou	Colby-Sawyer College	July 22-27
Hormonal Carcinogenesis	Michael A Gallo	Kimball Union Academy	July 8-13
Hormone Action	Gary L Firestone	Kimball Union Academy	Aug 5-10
Human Molecular Genetics	Edward M Rubin	Salve Regina University	Aug 5-10
Hydrogen-Metal Systems	Mei-Yin Chou & Peter Vajda	Connecticut College	July 8-13
Illicit Substance Detection	David Franz & Gregory Kovacs	Mount Holyoke College	June 24-29
Inorganic Chemistry	Steven H Strauss	Salve Regina University	July 15-20
Inorganic Geochemistry	Jeffrey W Hedenquist & John Thompson	Proctor Academy	Aug 19-24
Interior of the Earth	John E Vidale	Mount Holyoke College	June 10-15
Ion-Containing Polymers	Ray S Farinato & Michel Pineri	Williams College	July 15-20
Laser Diagnostics in Combustion	Jay B Jeffries	Mount Holyoke College	July 1-6
Lipids, Molecular & Cellular Biology of	Charles O Rock	Kimball Union Academy	July 15-20
Liquid Crystals	Tom C Lubensky	Colby-Sawyer College	June 24-29
Liquids, Chemistry & Physics of	Norbert F Scherer	Holderness School	Aug 5-10
Magnetic Resonance	Robert Tycko	Roger Williams University	June 17-22
Mammary Gland Biology	Charles W Daniel	Roger Williams University	June 3-8
Materials Processes Far From Equilibrium	Harry A Atwater	Kimball Union Academy	July 1-6
Mechanisms of Membrane Transport	Donald W Hilgemann	Holderness School	June 17-22
Medicinal Chemistry	Kelvin Cooper	Colby-Sawyer College	Aug 5-10
Metamorphosis	Peter Cherbas	Connecticut College	July 1-6
Microbial Population Biology	Lin Chao	Williams College	July 29-Aug 3
Molecular Cell Biology	Peter Walter	Tilton School	June 10-15
Molecular Mechanisms of Microbial Adhesion	J. Allan Downie & Brett Finlay	Salve Regina University	July 29-Aug 3
Molecular Membrane Biology	Peter Novick	Proctor Academy	July 15-20
Motile & Contractile Systems	Gary Borisy	Colby-Sawyer College	June 10-15
Mycotoxins & Phycotoxins	Marian Beremand & Richard Lewis	Williams College	June 24-29
Natural Products	Michael B Smith & Peter Wuts	Tilton School	July 29-Aug 3
Neural Plasticity	Erin M Schuman	Salve Regina University	July 15-20
Neurotrophins	Michael E Greenberg	Salve Regina University	June 10-15
Non-Antibiotic Properties of Tetracyclines & Other Antibiotics	Mark L Nelson	Colby-Sawyer College	July 1-6
Nonlinear Optics & Lasers	Margaret M Murnane	Colby-Sawyer College	July 29-Aug 3
Nonlinear Science	Lou Pecora & Kenneth Showalter	Mount Holyoke College	June 17-22
Nuclear Chemistry	Mark A Riley	Colby-Sawyer College	June 17-22
Nuclear Physics	Wit Busza	Salve Regina University	July 22-27
Nucleic Acids	Paul J Hagerman & Sarah Woodson	Salve Regina University	June 24-29
Organic Photochemistry	Richard S Givens	Connecticut College	July 15-20
Organic Reactions & Processes	Michael F Lipton	Roger Williams University	July 22-27
Organic Thin Films	Matthew Tirrell	Salve Regina University	June 24-29
Organometallic Chemistry	Carol J Burns	Salve Regina University	July 22-27
Origins of Solar Systems	David J Stevenson	Connecticut College	June 17-22
Phagocytes	William M Nauseef	Connecticut College	June 10-15
Photoions, Photoionization & Photodetachment	Mark Johnson	Williams College	July 8-13
Physical Organic Chemistry	Jay S Siegel	Holderness School	July 1-6
Plasmid & Chromosome Dynamics	Gary H Karpen	Colby-Sawyer College	July 22-27
Polyamines	Robert A Casero & Heather M Wallace	Connecticut College	June 24-29
Polymer Colloids	Do Ik Lee	Tilton School	July 1-6
Polymers (East)	Martin Moeller	Colby-Sawyer College	July 8-13
Polysaccharides, Chemistry of (NEW)	Charles M Buchanan	Mount Holyoke College	July 22-27
Proteins	Thomas O Baldwin	Holderness School	June 24-29
Purines, Pyrimidines & Related Substance	Carol E Cass	Salve Regina University	July 1-6
Quantitative Structure Activity Relationships	Kate Holloway	Tilton School	Aug 5-10
Quantum Control of Atomic & Molecular Motion	Moshe Shapiro	Mount Holyoke College	July 29-Aug 3
Red Cells	Beverly Emerson	Tilton School	July 22-27
Science Education & Visualization: International	Loretta L Jones	Mount Holyoke College	Aug 5-10
Second Messengers & Protein Phosphorylation	Jack E Dixon & Ron Taussig	Kimball Union Academy	June 10-15
Staphylococcal Diseases	Henry F Chambers	Roger Williams University	Aug 12-17
Statistics In Chemistry & Chemical Engineering	Randall D Tobias	Williams College	July 22-27
Stress-Induced Gene Expression (NEW)	Richard I Morimoto	Connecticut College	July 8-13
Supramolecules & Assemblies, Chemistry of	Raymond A Mackay	Connecticut College	July 29-Aug 3
Thin Films & Crystal Growth Mechanisms	Ellen D Williams	Williams College	July 1-6
Three Dimensional Electron Microscopy	Robert M Glaeser	Roger Williams University	June 24-29
Tissue Repair & Regeneration	Sabine Werner	Colby-Sawyer College	June 17-22
Tuberculosis Drug Development (NEW)	Clifton Barry & Ken Duncan	Colby-Sawyer College	June 24-29
Viruses & Cells	Karla Kirkegaard	Tilton School	June 24-29
X-Ray Physics	Helmut Dosch	Connecticut College	July 22-27

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ment, with its 4 × 280-ml swinging bucket rotor and assorted fixed-angle rotors. Features include a capacity of 20 15-ml conical tubes at 3000 × g; a fixed-angle rotor



that spins six 50-ml conical tubes at over 12,500 × g; and sealed microtiter plate carriers and cyto-centrifugation accessories. The versatility of the centrifuge is facilitated by a rapid rotor exchange sys-

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New flexible reagent packages allow users to run high-throughput screening assays using fluorescent detection. The Generic Gold Toolbox contains Cy3, Cy3.5, Cy5, and Cy5.5 in three versions to label carbohydrates, protein, and peptides. It can be used with the LEADseeker platform for high-throughput screening and with conventional plate readers. The Gold Toolbox for FRET (fluorescence resonance energy transfer) labeling is for use with the LEADseeker platform. It contains Cy3B, a new version of Cy3 that is two to three times

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CONTINUED ON PAGE 1604

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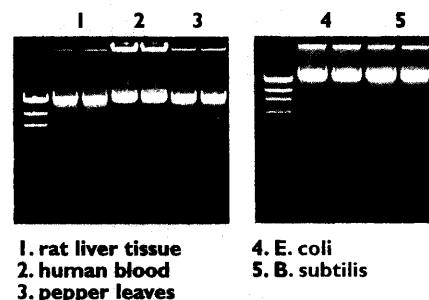
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ONE-STEP RT-PCR SYSTEMS

Two new Gibco BRL Superscript One-Step Reverse Transcriptase-Polymerase Chain Reaction Systems incorporate the manufacturer's proprietary Platinum Technology to offer increased sensitivity, one-step simplicity, and greater yield and specificity. These systems are for fast, easy screening of gene expression, detection of rare RNA and viral

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decreases risk of contamination. The version with Platinum Taq DNA Polymerase allows detection of as few as 5 to 10 molecules of RNA template from as little as 0.1 pg, enabling amplification of rare targets or from limited starting material. The version for long templates offers the same level of sensitivity for targets up to 9 kb.

Life Technologies

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Fast Start Taq DNA Polymerase is designed to maximize the specificity in hot start reactions. This reagent eliminates the need for wax barriers, beads, hot start antibodies, or manual hot start, or to set up polymerase chain reactions on ice. This enzyme can be combined with an optimized buffer system and the GC-RICH Resolution Solution to amplify even the most problematic templates.

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LITERATURE

Out of this World is a brochure on two new personal centrifuges—the MiniSpin and the MiniSpin plus. When loaded with 1.5-ml or 2.0-ml tubes, MiniSpin is capable of a maximum speed of 13,400

rpm. With its refined black aluminum rotor, MiniSpin plus is even quicker, reaching 14,500 rpm. Features include rapid acceleration, a braking time of 13 sec, low noise levels, and a footprint smaller

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than a sheet of A4 paper. Routine runs, such as pelleting precipitated DNA, pose no problem as sample heating is kept to a minimum.

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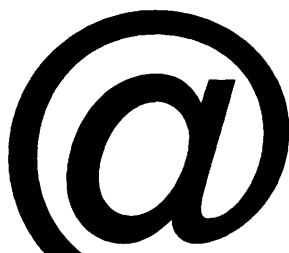
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POSITIONS OPEN

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Applicants should send a résumé; a complete publication list; copies of three representative publications; and the names, addresses (postal and e-mail), and telephone numbers of five references. In addition, each applicant is required to submit a one-page professional statement describing his or her goals in research and teaching. The application package should be mailed to: Faculty Search Committee, Department of Electrical Engineering and Computer Science, Box 1679 Sta B, Vanderbilt University, Nashville, TN 37235-1679. Electronic submissions and inquiries may be made to e-mail: eeecs-search@vuse.vanderbilt.edu. Review of applications will begin January 1, 2001, and continue until the position is filled. *Vanderbilt University is an Equal Opportunity Employer.*

FACULTY POSITION

INVERTEBRATE BIOLOGY/PARSITOLOGY

The Department of Biology at the University of North Dakota seeks applications for a tenure-track ASSISTANT PROFESSOR beginning fall 2001. A Ph.D. is required and postdoctoral training is preferred. Development of a vigorous, externally funded research program is expected. The ideal candidate would use modern approaches to the study of invertebrates that will complement the Department's strengths in ecology and evolution, fisheries and wildlife, and cellular and molecular biology (see websites: http://www.und.nodak.edu/dept/biology/undergrad/bio_undergrad.html; www.und.nodak.edu/dept/biology/eco-evol). Teaching duties include an undergraduate course in parasitology or invertebrate zoology; potential participation in introductory biology; and, ultimately, development of a graduate or upper-level undergraduate course in area of expertise. Send letter of application, curriculum vitae, statement of teaching and research interests, and three letters of reference to: Dr. Richard D. Crawford, Department of Biology, Box 9019, University of North Dakota, Grand Forks, ND 58202-9019. Final review of applications will begin on 5 January 2001 and will continue until the position is filled. *The University of North Dakota is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

FACULTY POSITIONS SUNY-BROCKPORT DEPARTMENT OF BIOLOGICAL SCIENCES

The Department of Biological Sciences invites applications for two positions.

PROFESSOR AND CHAIR: Essential functions of this tenured position include administrative leadership in curriculum, governance, and faculty development areas. Teach a lecture course in anatomy and physiology and coordinate the laboratory sections, establish an active research program, seek extramural funding, and develop an upper-level course. Required: Ph.D. in biology or related field, record of scholarly achievement, ability to work with a culturally diverse population, evidence of leadership in curriculum, faculty development and academic administration, and expertise in animal physiology and/or anatomy or related field. Submit letter of application, résumé, transcript, a brief statement of leadership philosophy, teaching philosophy, research plans, equipment requirements, and three letters of reference.

ASSISTANT PROFESSOR, GENETICS/BIO-TECHNOLOGY: Tenure-track position. Essential functions: Teach a lecture course in genetics and coordinate the laboratory, establish an active research program and seek extramural funding, and develop an upper-level course. Required: Ph.D. in genetics or related area, evidence of scholarly ability, ability to work with a culturally diverse population. Post-doctoral research and teaching experience are preferred. Submit letter of application, résumé, transcript, a brief statement of teaching philosophy, research plans, equipment requirements, and three letters of reference.

Salaries for the two positions are competitive. Starting dates are August 2001. Beginning review date for applications is December 15, 2000, and applications will continue to be accepted until January 15, 2001, or until the positions are filled.

Send application materials to: Mr. Richard D. Meade, Faculty/Staff Recruitment Office, SUNY College at Brockport, 409 Allen Administration Building, 850 New Campus Drive, Brockport, NY 14420-2929. *Affirmative Action/Equal Opportunity Employer.*

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Search for the Founding Dean

Florida State University (FSU), located in the state's capital, seeks a founding Dean of its new College of Medicine. The founding Dean will have an historic opportunity to establish the university's new College of Medicine and commit it to educating a new generation of physicians devoted to the needs of the under-served and the elderly. Under his/her direction, programs will be formulated and operationalized utilizing interdisciplinary, team-based approaches and emerging technologies to train compassionate physicians to practice in rapidly changing, and often challenged health-care environments.

The ideal candidate for this position will personify the mission and vision set forth by the Florida State University and approved by the Florida legislature. Specifically, the ideal candidate will be a visionary leader who embodies the values and personifies the FSU College of Medicine culture, mission and vision in his/her own life experiences. She/he needs to embrace the concept of training compassionate physicians who deliver their expertise where it is needed most, particularly for service to under-served and geriatric populations.

This is a truly rare and exciting opportunity to build the first allopathic College of Medicine to be established in the State of Florida and in the United States in almost 20 years. The innovative design and focus of the new College of Medicine will be fully integrated with other programs in the University. The qualified candidate will have the mandate to develop cooperative partnerships that will promote, nurture and exploit this integration. The position of founding Dean requires a dynamic leader who is fully committed to both:

1. personifying the mission and vision set forth by the Florida State University and approved by the Florida legislature and
2. ensuring the training of compassionate physicians who deliver their expertise where it is needed most, particularly for service to under-served and geriatric populations.

A Search Committee comprised of Florida State University faculty, external experts and state leaders has been appointed to conduct this search.

TO APPLY:

Send C.V. with cover letter:

**Lyn Brennan and Sharon Flynn Hollander
Isaacson, Miller
334 Boylston Street
Suite 500
Boston, Massachusetts 02116
617-262-6500
Fax: 617-262-6509
e-mail: sflynnhollander@imsearch.com
The application deadline is January 30, 2001.**

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www.fsu.edu/~medicine

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career FAIRS

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CAREER FAIRS hosted by Science

February 19, 2001

San Francisco Hilton and Towers
San Francisco, CA
From 11am -4pm
Held in conjunction with the
AAAS Annual Meeting
www.sciencecareers.org

June 19, 2001

University of California, Irvine
Irvine, CA
www.sciencecareers.org

August 13, 2001

Seaport Hotel
Boston, MA
www.sciencecareers.org

Also at the Seaport Hotel ...

Drug Discovery Technology 2001

held August 13-17, 2001
www.drugdisc.com

We also recommend attending these EVENTS sponsored by Science

March 29-30, 2001

Science Career Forum

University of Chicago/Northwestern University
Chicago, IL
<http://caps.uchicago.edu/>

April 19, 2001

Biotech Industry Day

University of California, San Francisco
San Francisco, CA
<http://saawww.ucsf.edu/career/welcome.htm>

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RESEARCH SCIENTIST - Immunology

New immunology lab has created this position. Participate in the design of experimental studies to evaluate the potency of novel immunotherapeutics for cancer and HIV. Conduct studies using primary human cells and laboratory animals, including immunization, sample collection, maintenance of records, and coordination of experiments. Perform routine and novel assays for cellular immune responses on samples collected from laboratory animals. Prepare data figures for presentations. MS with 3 yrs industry experience essential, immunologic techniques, laboratory animals and mammalian cell culture and related scientific principles. Hands-on expertise with cellular immunologic assays including cytotoxicity (CTL), cell proliferation, ELISPOT, flow cytometry, and tetramer analysis will be vital. Knowledge of animal models of disease, and various vaccine delivery systems preferred.

For the above positions, experience working within a U.S. pharmaceutical company is preferred. We offer excellent benefits & generous stock programs. For immediate consideration, qualified candidates may send CV with salary requirements, indicating position desired to: **Progenics**, HR Dept, P.O. Box 549, Tarrytown, NY 10591. Fax: 914-789-2863. E-mail: hr@progenics.com

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THE 2001 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 2000 awardees were H. Robert Horvitz, Ph.D., Whitehead Professor of Biology, Massachusetts Institute of Technology, Investigator, Howard Hughes Medical Institute; Stanley J. Korsmeyer, M.D., Sidney Farber Professor of Pathology and Professor of Medicine, Dana-Farber Cancer Institute, Harvard Medical School, Investigator, Howard Hughes Medical Institute, Harvard Medical School.



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 15, 2001.

POSITIONS OPEN

SURGERY RESEARCH: ASSOCIATE PROFESSOR NORTH SHORE-LONG ISLAND JEWISH HEALTH SYSTEM North Shore-Long Island Jewish Research Institute

A basic Research Scientist is required to develop models of acute lung injury. Particular analysis will be placed on the role of apoptosis as it relates to lung injury. Candidates must be conversant with small animal models and have the ability to prepare DNA or RNA detection and analysis by electrophoresis, Southern or Northern blot with radioactively labeled probe, and Western blot analysis. Candidates with M.D., Ph.D., or M.D./Ph.D. with three to five years of postdoctoral experience are encouraged to apply. We offer competitive academic salary, fringe benefits, and state-of-the-art facilities.

RESEARCH ASSOCIATE/ POSTDOCTORAL FELLOW

Postdoctoral position available immediately to participate in four-year, NIH-funded studies on the role of neutrophil apoptosis as it relates to lung injury and the regulation of inflammation. Experience in Western blot, Northern blot, and immunohistochemistry required.

Send curriculum vitae and cover letter listing names of three references to: **H. Hank Simms, M.D., Chairman, Department of Surgery, North Shore-Long Island Jewish Health System, North Shore University Hospital, 300 Community Drive, Manhasset, NY 11030.**

FACULTY POSITION CARNEGIE INSTITUTION DEPARTMENT OF PLANT BIOLOGY Stanford, California

The Carnegie Department of Plant Biology is seeking to fill a permanent faculty position in the area of plant cell and molecular biology. The search is open with respect to research topic but we are particularly interested in candidates with an active program in some aspect of plant signal transduction. The successful candidates are expected to have a Ph.D. and demonstrated ability to carry out independent innovative research. The institutional philosophy is to encourage scientific discoveries by providing outstanding individuals with the freedom and long-term support to explore the frontiers of science. Carnegie faculty enjoy complete freedom with respect to the choice of research topic and have no obligatory teaching or administrative responsibilities. Opportunities exist for participation in graduate and undergraduate education through a concurrent courtesy appointment in the Department of Biological Sciences at Stanford University.

Please send curriculum vitae, statement of research interests, and three letters of reference by January 5, 2001, to: **Chris Somerville, Carnegie Institution, 260 Panama Street, Stanford, CA 94305.** The Carnegie Institution is an Affirmative Action/Equal Opportunity Employer.

BIOCHEMISTRY/MOLECULAR BIOLOGY: The Ouachita Baptist University Departments of Chemistry and Biology invite applications for an August 2001 **TENURE-TRACK POSITION**. The successful applicant must have a Ph.D. in biochemistry/molecular biology and a strong commitment to liberal arts education, to teaching courses for science and nonscience majors, and to directing undergraduate research. Salary and rank are commensurate with experience. The applicant must support the mission of the Institution. Review will begin January 15, 2001, and will continue until the position is filled. Send curriculum vitae, statement of teaching philosophy, plans for undergraduate research, transcripts, and arrange for three letters of recommendation to be sent to: **Joe Jeffers, Chair, Division of Natural Science, Ouachita Baptist University, Arkadelphia, AR 71998-0001.** Telephone: 870-245-5216; e-mail: jeffers@obu.edu. Details are available at website: <http://www.obu.edu/natsci>.

POSITIONS OPEN

ASSISTANT OR ASSOCIATE PROFESSORS OF MICROBIOLOGY THE UNIVERSITY OF IOWA

The University of Iowa, Department of Microbiology, invites applications for faculty positions at the rank of Assistant or Associate Professor. Positions are 12-month tenure-track appointments with highly competitive start-up funds, salaries and benefits, and modern laboratory facilities. Outstanding candidates interested in the interactions of bacteria with eukaryotic organisms are encouraged to apply. Areas of interest include but are not restricted to genomics and bioinformatics, gene expression, biofilms, bacterial cell signaling, interactions with host cells, pathogenic mechanisms, mutualistic interactions, bacterial infections in cystic fibrosis, and cellular microbiology. The successful candidate will be housed together with other Microbiologists and with Human Cell Physiologists in a new molecular pathogenesis unit. An appointee will be expected to maintain a vigorous research program and participate in the teaching activities of the Department. The Department of Microbiology consists of 30 faculty members with strengths in bacterial genetics and physiology, animal virology, pathogenic bacteriology, virology, and immunology. Applicants must have a Ph.D. or an equivalent degree. Applicants at the Associate Professor level should have an established research program. Candidates should send curriculum vitae; a statement of research interests; and should arrange to have at least three letters of recommendation sent to the address below before January 31, 2001.

**E. Peter Greenberg
Search Committee (F1963)
Department of Microbiology
Bowen Science Building
The University of Iowa
Iowa City, IA 52242**

Anticipated start date is October 1, 2001.

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

FACULTY POSITIONS IN IMAGING BIOMEDICAL ENGINEERING NORTHWESTERN UNIVERSITY

The Biomedical Engineering (BME) Department in the McCormick School of Engineering and Applied Science is recruiting for new **TENURE-TRACK POSITIONS** in imaging. These are partially funded by a Whitaker Foundation initiative. One position will be entirely in BME, and the ideal candidate will have expertise in optical imaging. A second position will be joint between BME and the Radiology Department in the School of Medicine. The candidate's research should be in magnetic resonance imaging and should fit with current areas of interest, which include cardiovascular MR, brain functional MR, and image processing. The new faculty members will be expected to conduct distinguished research programs and contribute to the teaching and advising of graduate and undergraduate students. The levels of the appointments are open. In the Biomedical Engineering Department, approximately 80 graduate students are pursuing M.S. and M.S./Ph.D. degrees on both the Evanston and Chicago campuses. The Department graduates about 60 students per year from its ABET-accredited undergraduate program. Applicants should send a letter, curriculum vitae, names of references, and statement of research interests to: **Chair, Search Committee, Biomedical Engineering Department, Northwestern University, Evanston, IL 60208-3107.** More information is available at websites: <http://www.nwu.edu/bme> and <http://www.radiology.nwu.edu>. The positions will remain open until filled but for full consideration, applications should be received by December 15, 2000. The earliest starting date is September 1, 2001. Northwestern University is an Affirmative Action/Equal Opportunity Employer. Hiring is contingent upon eligibility to work in the United States. Women and candidates from underrepresented minority groups are encouraged to apply.

POSITIONS OPEN

DEVELOPMENTAL BIOLOGIST/ ENVIRONMENTAL PHYSIOLOGIST

The Department of Biology at West Virginia University invites applications for a tenure-track **ASSISTANT PROFESSOR** position in the broad areas of developmental biology and/or environmental physiology to begin August 16, 2001.

Applicants will be expected to show potential to establish an externally funded research program, ability to publish their research, and ability to contribute significantly to the undergraduate and graduate teaching missions of the Department with course offerings in their area of expertise.

WVU is West Virginia's land grant, Ph.D.-granting research university and is home to 25,000 students. Situated in the small city of Morgantown, WVU is part of an excellent community offering an outstanding public school system, good recreational opportunities, excellent housing choices, and a relaxed lifestyle.

To apply, please send curriculum vitae, the names and contact information of three references, three representative manuscripts, and a short statement of teaching and research interests to: **Marc Kantorow, Chair of the Developmental/Environmental Physiologist Search Committee, Department of Biology, West Virginia University, Morgantown, WV 26506.** Inquiries may be directed to e-mail: mkantorow@wvu.edu. Review of applications will begin January 15, 2001. More information on West Virginia University and the Department of Biology may be obtained at website: www.wvu.edu.

West Virginia University is an Equal Opportunity/Affirmative Action Employer. Applications from women, minorities, and the disabled are strongly encouraged.

CHEMISTRY

GRINNELL COLLEGE invites applications for a tenure-track position in organic chemistry to begin in August 2001 at the **ASSISTANT PROFESSOR** level. A Ph.D. in organic chemistry or related field is required. Appointment at a higher rank may be considered for suitably qualified applicants. This search is part of a new Grinnell College initiative to increase faculty diversity while strengthening the academic program. Letters should address the candidate's interest in developing as a teacher and scholar in an undergraduate liberal arts environment that emphasizes close student-faculty interaction and values diversity. Start-up funds are available. Excellent laboratory facilities and instrumentation for teaching and research. Five courses per year (3/2) teaching schedule. Appointment to begin in fall 2001. Send letter of application, curriculum vitae, three letters of recommendation, statement of teaching interests/philosophy, research proposal, and copies of all transcripts to: **Search Committee Chair, Department of Chemistry, Grinnell College, Grinnell, IA 50112-1690** Telephone: 641-269-3008 or 3047; FAX: 641-269-4285. To learn more about Grinnell College, please visit our website: www.grinnell.edu. To be assured full consideration, all materials should be received by December 15, 2000. Grinnell College is an Equal Opportunity/Affirmative Action Employer committed to employing a highly qualified staff that reflects the diversity of the nation. No applicant shall be discriminated against on the basis of race, national or ethnic origin, age, gender, sexual orientation, marital status, religion, creed, or disability.

PHARMACOKINETICIST ASSISTANT/ASSOCIATE/ FULL PROFESSOR Washington State University

Tenure-track faculty position is available July 1, 2001, in the Department of Pharmaceutical Sciences. A Doctorate degree in a biomedical discipline, research experience in pharmacokinetics, and potential to establish an extramurally funded research program related to pharmacokinetics are required. Screening of applications will begin January 22, 2001, and continue until the position is filled. To apply, see the complete Notice of Vacancy at website: <http://www.pharmacy.wsu.edu/employment.html> for specific application requirements.

**Faculty Position in Clinical Research
Department of Pharmaceutical Sciences
Campbell University School of Pharmacy**

The Department of Pharmaceutical Sciences announces an immediate opening for a full-time faculty position in Clinical Research at the Assistant, Associate, or full Professor level. Applications will be accepted until the position is filled. The successful candidate should have a M.D., Pharm.D., or Ph.D. in a biomedical science, with expertise in clinical research methodologies. Postdoctoral experience in clinical research is required. The candidate will serve as part of a multidisciplinary team with responsibilities for teaching in undergraduate and graduate level courses in the Clinical Research Program.

Campbell University's School of Pharmacy is a highly progressive institution in pharmacy education. In addition to an entry-level Pharm.D. Degree, Campbell offers unique programs (B.S. and M.S. Degrees) both in Pharmaceutical Sciences and in Clinical Research. Campbell University is a private university with a student-oriented focus that facilitates excellent academic and professional interactions. Campbell University is located 35 miles south of Research Triangle Park (RTP) in Central North Carolina. The Clinical Research Program is based in RTP providing ready accessibility for working students in the Triangle. Classes are offered in evening hours to accommodate the schedule of employed students.

The faculty member will be expected to participate in clinical research activities. Several academic, government, and industrial institutions in the RTP region are heavily engaged in clinical research; this fosters extraordinary collaborative research opportunities. Joint appointments with other local universities are also possible.

Applicants should include a letter of interest, curriculum vitae, statement of research interests, and the names and addresses of three references to: **Dr. Judith Kramer, M.D., M.S., Director of Clinical Research, Professor of Pharmaceutical Sciences, Campbell University School of Pharmacy, P.O. Box 1090, Buies Creek, NC 27506; Telephone: (919) 668-8501; Fax: (919) 668-7059; email: krame009@mc.duke.edu. www.campbell.edu. Campbell University is an Equal Opportunity Employer.**



Mayo Clinic

Co-Director Molecular Genetic Laboratory

The Mayo Clinic Department of Laboratory Medicine and Pathology has an immediate opening for a Co-Director of the Molecular Genetic Laboratory. The Molecular Genetic Laboratory currently offers a wide range of diagnostic assays for inherited and neoplastic disorders, with an annual volume of approximately 20,000 cases. The successful candidate will have either an M.D. or Ph.D. degree with a minimum 2-3 years experience in clinical molecular genetics. Board certification or eligibility in clinical molecular genetics or molecular pathology is desirable. The appointed individual will join an existing team of co-directors in overseeing a dynamic and expanding laboratory. Clinical responsibilities will include interpretation and signing out of test results, participation in quality control and quality assurance programs and the development of new tests and/or technology. Opportunities are available to develop a research program and to participate in education activities. Rank and salary will be commensurate with experience. A curriculum vitae, cover letter detailing experience, future interests and names of three individuals that can provide letters of recommendation should be sent to:

**Stephen N. Thibodeau, Ph.D.
Division of Laboratory Genetics
Mayo Clinic**

**200 First Street SW
Rochester, Minnesota 55905**

Fax: 507-284-0043 Email: sthibodeau@mayo.edu

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POSITIONS OPEN

BIOLOGY

The Department of Biology at Grinnell College invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level to begin fall 2001. Appointment at a higher rank may be considered for suitably qualified applicants. This search is part of a new Grinnell College initiative to increase faculty diversity while strengthening the academic program. Grinnell College is committed to increasing faculty diversity, recognizing that to provide a diverse learning environment is to prepare students for personal and professional success in an increasingly multicultural society. Letters should address the candidate's interest in developing as a teacher and scholar in an undergraduate liberal arts environment that emphasizes close student-faculty interaction and values diversity. Teaching responsibilities include courses at both the introductory and intermediate level, as well as an advanced course in candidate's area of specialty. We are seeking candidates whose research program uses eukaryotic organisms to address questions at the molecular, cellular, and/or organismal level. Candidates should have postdoctoral research experience and be prepared to conduct an active research program involving undergraduates. Start-up funds, support for student-faculty research, and excellent facilities are available. Send letter of application, curriculum vitae, three letters of recommendation, statement of teaching and research interests, and copies of all transcripts to: **Clark Lindgren, Search Committee Chair, Department of Biology, Grinnell College, Grinnell, IA 50112-1690. Telephone: 641-269-3041; FAX: 641-269-4285; e-mail: lindgren@grinnell.edu.** To learn more about Grinnell College, please visit our website: www.grinnell.edu. To be assured full consideration, all materials should be received by December 15, 2000. *Grinnell College is an Equal Opportunity/Affirmative Action Employer committed to employing a highly qualified staff that reflects the diversity of the nation. No applicant shall be discriminated against on the basis of race, national or ethnic origin, age, gender, sexual orientation, marital status, religion, creed, or disability.*

BIOCHEMISTRY INSTITUTE OF BIOCHEMISTRY Carleton University

Applications are invited for a full-time tenure-track position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level in the Institute of Biochemistry. Candidates should have demonstrated research ability in the field of biochemistry. Areas of particular interest include protein chemistry, enzyme structure and function, toxicology, biosynthetic pathways, and bioinformatics including the use of computational methods for estimations of structure-biological activity, proteomics, and genomics. The successful candidate will be expected to build a strong research program, to be active in graduate student supervision, and to teach and develop courses at the graduate and senior undergraduate levels. The Institute of Biochemistry has a strong expertise in environmental molecular biology, microbiology, membrane biochemistry, metabolic pathways, stress tolerance, toxicology, organic chemistry, and computational methods. Collaborations with medical research facilities and the National Research Council as well as government department research institutes are common. Candidates must hold a Doctoral degree. Applications, with curriculum vitae and the names of three references, should be sent by January 2, 2001, to:

Dr. Peter Buist
Director, Institute of Biochemistry
Carleton University
1125 Colonel By Drive
Ottawa, ON K1S 5B6 Canada

In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. Carleton University is committed to Equality of Employment for women, aboriginal peoples, visible minorities, and persons with disabilities. Persons from these groups are encouraged to apply. The position is subject to budgetary approval.

POSITIONS OPEN

TWO FACULTY POSITIONS IN MOLECULAR BIOLOGY North Carolina State University College of Veterinary Medicine

The Department of Anatomy, Physiological Sciences, and Radiology invites applications for two separate tenure-track faculty positions at the **ASSISTANT PROFESSOR** level to participate in professional and graduate student teaching in (1) pharmacology and (2) gross anatomy. The new faculty members will be expected to establish extramurally funded, independent research programs using molecular biological approaches to address significant problems in cellular biology and differentiation, oncology, functional genomics, or related areas. For both positions, a Ph.D. is required.

(1) **PHARMACOLOGIST:** Preference will be given to applicants with three years of postdoctoral pharmacological research experience and teaching of pharmacology. A background in molecular pharmacology will be especially beneficial.

(2) **ANATOMIST:** Preference will be given to applicants with a D.V.M., three years of postdoctoral research experience, and teaching experience in veterinary gross anatomy.

Applicants for either position should submit curriculum vitae and statement of research plans and arrange to have three letters of reference sent to the appropriate search committee chair: **Dr. Lloyd Fleisher (Pharmacology) or Dr. Ida Smoak (Anatomy), Department of Anatomy, Physiological Sciences, and Radiology, College of Veterinary Medicine, North Carolina State University, 4700 Hillsborough Street, Raleigh, NC 27606.** Applications may be sent by mail or electronically (E-mail: lloyd.fleisher@ncsu.edu or ida.smoak@ncsu.edu). Deadline for receipt of applications is January 15, 2001, or until filled. *North Carolina State University is an Equal Opportunity/Affirmative Action Employer. Individuals with disabilities desiring accommodations in the application process should contact Mandy Driver by e-mail: mandy.driver@ncsu.edu. Telephone: 919-513-6454; FAX: 919-513-6465; TTY: 919-515-9617.*

RESEARCH ASSISTANT PROFESSOR

The Division of Geographic Medicine is seeking a new faculty member to join an active virus research group under Polly Roy (see Roy, "Orbivirus Structure and Assembly," Review Article, *Virology* 215:1-11). The group is composed of senior and junior **POSTDOCTORAL RESEARCH ASSOCIATES** and Fellows. The laboratory is currently involved in various aspects of double-stranded RNA virus research including reverse genetics, transcription/replication processes, virus assembly mechanisms, virus-host interactions, and protein crystallization. Applicants should have extensive knowledge in molecular virology, in particular animal RNA viruses, and must have a good publication record in virology. Some experience in supervision of graduate students is preferred. Salary is negotiable based on qualifications and experience.

Interested persons should send two copies of a detailed curriculum vitae and the names and addresses of two references to: **Polly Roy, University of Alabama at Birmingham, Department of Medicine/Division of Geographic Medicine, Bevill Research Building, BBRB 203 845 South 19th Street, Birmingham, AL 35294-2170. Telephone: 205-975-7614; FAX: 205-934-5600; e-mail: Roy@uab.edu or por@ceh.ac.uk.** *The University of Alabama System is an Equal Opportunity, Affirmative Action Employer.*

Leave replacement, biochemistry, Gustavus Adolphus College. One year full-time leave replacement position for **PH.D. BIOCHEMIST** beginning September 2001. Possible extension to two years. Fall biochemistry, January term, spring proteins courses with laboratories. Curriculum vitae, teaching philosophy, transcripts, three recommendation letters to: **Dr. Allan G. Splittgerber, Gustavus Adolphus College, St. Peter, MN 56082. Website: <http://www.gac.edu/oncampus/academics/chem/chem.cfm>.** Applications close February 7, 2001.

POSITIONS OPEN

CHAIRPERSON DEPARTMENT OF CHEMISTRY MOREHOUSE COLLEGE

Morehouse College invites applications for the position of Chairperson of the Department of Chemistry to begin July 31, 2001. Applicants should hold a Doctorate in chemistry and have appropriate research and teaching experience to qualify for a tenured appointment at either the **ASSOCIATE** or **FULL PROFESSOR** level. The Chemistry Department, which is approved by the American Chemical Society, has a tradition of preparing students for graduate work. As an undergraduate institution, Morehouse values excellent teaching and mentoring. The successful applicant would be expected to maintain an active research laboratory, have a strong commitment to enhancing the research capacity of the Department, and to assume a leadership role in ensuring that instruction is consistent with the best ideas on pedagogy. For more information on the Department and College, visit our website: <http://www.morehouse.edu>. Please submit full curriculum vitae, graduate school transcript, and the names of three references by January 31, 2001, to:

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

Morehouse College is an Equal Opportunity Employer.

NEUROBIOLOGIST

The University of Scranton, a Catholic and Jesuit institution in northeastern Pennsylvania, invites applications for a tenure-track **ASSISTANT PROFESSOR** position in neurobiology starting in August 2001. Applicants must have a Ph.D. and postdoctoral experience is desirable. The successful candidate will teach upper-division courses in neurobiology and contribute to courses in general biology or the natural science component of the University's general education program. Experience in electron microscopy is desirable. Excellence in teaching and an active research program that will involve undergraduates are expected. The University of Scranton is committed to excellence in liberal arts education, leading to personal growth and development in the Catholic and Jesuit tradition (see the Institutional Statement of Mission at [website: http://www.uofs.edu/admin/mission.html](http://www.uofs.edu/admin/mission.html)). The successful candidate must be able to support the mission as a member of the University community. Submit curriculum vitae, statements of teaching philosophy and research interests, and three letters of reference by 8 January 2001 to: **Michael Hardisky, Chair, Biology Department, University of Scranton, Scranton, PA 18510.** No applications accepted by FAX or e-mail.

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

ASSISTANT PROFESSOR CONSERVATION BIOLOGY

The Department of Biological Sciences at Bowling Green State University invites applications for a tenure-track position in conservation biology to begin August 2001. We especially encourage candidates with research experience in field studies or modeling at the community, ecosystems, or landscape levels. Postdoctoral experience is expected. The successful candidate will develop a vigorous, externally funded research program; advise Ph.D. and M.S. students; and teach undergraduate and graduate courses to complement a growing program in ecology and conservation biology. Send letter of application with curriculum vitae; research and teaching statements; three original and current reference letters; and representative reprints by January 15, 2001, to: **Dr. Rex Lowe, Chair, Conservation Biology Search Committee, Department of Biological Sciences, Bowling Green State University, Bowling Green, OH 43402-0212.** *Affirmative Action/Equal Opportunity Employer.*



MONELL CHEMICAL SENSES CENTER FACULTY POSITIONS

The Monell Chemical Senses Center, a multidisciplinary research center investigating all aspects of taste, smell and chemical irritation, seeks applicants for faculty research positions at all levels in any of the following areas: (a) **Development/Regeneration of Chemosensory Systems.** To complement existing programs and to initiate new studies on development and regeneration of chemosensory receptor systems at the molecular or cellular levels. Applicants should have experience with contemporary concepts and techniques necessary for studying development and regeneration. (b) **Human Sensation and Perception.** To conduct research on human olfaction, taste, or somatosensation. Applicants may have interests in psychophysics, cognitive processes, emotion, or food selection/preferences. (c) **Integrative/Behavioral Neuroscience.** To conduct research addressing relationships among the chemical senses, appetitive behaviors and autonomic function with an emphasis on central nervous system processes. A technical focus on neurochemistry and/or neuroanatomy is desirable. (d) **Toxicology.** To conduct studies of respiratory toxicology or neurotoxicology. Applicants should have an interest in the impact of environmental and occupational chemicals on the upper respiratory tract and/or the olfactory system.

Candidates in any of these areas must have a Ph.D. or equivalent degree and relevant postdoctoral experience, but may not necessarily have had direct research experience with the chemical senses. Successful applicants will be expected to develop a strong, independently funded research program, while at the same time taking advantage of the interdisciplinary and collaborative environment offered by the Monell Center. Please send a brief description of previous and current research, and an account of future research interests as these relate to the chemical senses; a complete curriculum vitae; funding history; and the names and addresses of three to five individuals willing to provide references to the **Personnel Officer, Monell Chemical Senses Center, 3500 Market Street, Philadelphia, PA 19104-3308.** We will begin considering applications on December 15, 2000 and will continue to do so until the positions have been filled. All positions are available immediately.

The Monell Center is an Equal Opportunity Employer and encourages applications by women and minorities.



Tenure-Track Faculty Position Prokaryotic or Eukaryotic Microbiology Assistant Professor Boston College Biology Department

In conjunction with an \$80 million expansion and renovation of Higgins Hall, home to the Departments of Biology and Physics, the Biology Department at Boston College invites applications for a tenure-track faculty position in the area of prokaryotic or eukaryotic microbiology. This hire will occur in the context of a substantial expansion of our infrastructure, including new research and teaching facilities. Extremely competitive start-up funds and research space are available for initiation and growth of the research programs of incoming faculty. Significant further hiring of tenure-track faculty is anticipated. The successful candidate will join a department with established and growing research strengths in molecular and cell biology, developmental biology, genetics, signal transduction, neuroscience, and vector and insect science.

We seek an outstanding scientist to direct a creative, externally funded research program based in either a model or pathogenic fungal or bacterial system. Scientists using modern genetic, cell biological, molecular or computational approaches are especially encouraged to apply. The successful candidate will be expected to train doctoral and master's students and to contribute to the teaching mission of the department. Applicants should submit a curriculum vitae, a statement of present and future research plans, a statement of teaching interests, and arrange to have three letters of reference sent to: **Dr. Charles Hoffman, c/o Microbiology Search Committee, Biology Department, Higgins Hall, Boston College, Chestnut Hill, MA 02467.**

This appointment will begin on or after July 1, 2001. Review of applications has begun and will continue until the position is filled. Boston College is an affirmative action, equal opportunity employer. Women and minority group members are especially encouraged to apply.

Infinite Discoveries Unparalleled Opportunities

The pharmaceuticals market is rapidly changing; evolving and maturing everyday as new ways and tools are being developed to improve the quality of human life. Ideas, outstanding performance and the growth and caring of our people are at the core of our value system. Our future is in the hands of the individuals who make up our company.

Biochemist - Protein Chemistry

We're in need of a researcher with 3+ years of broad-based experience in protein chemistry and biochemistry. Responsibilities include purification and characterization of proteins, assay implementation and analytical biochemistry. A Ph.D. in Biochemistry or related field with 3 additional years of experience is required along with excellent communication skills and the ability to work in a team environment with a wide range of scientists. Familiarity with cell culture, fermentation and/or molecular biology a plus. **Code: BPC**

Staff Scientist - Protein Biochemist

We have a position available for a Scientist skilled in protein purification and characterization, process development and analytical assay development. A BS/MS in Biochemistry or related field and 3 years of industry research experience is required. cGMP/GLP experience is a plus. **Code: SSPB**

Staff Scientist - Protein Chemistry

This is a perfect position for a Scientist with an expertise in protein purification and characterization. You'll need to have 1-3 years experience in a variety of biochemical techniques as well as an in-depth knowledge of protein purification and a BS/MS in Biochemistry or related field. Experience with fermentation, enzymology or analytical methods is desired. **Code: SCPC**

Cell Biologist - Functional Genomics

A candidate is sought with broad experience in cell biology and cell-based readouts. Responsibilities will include generation and characterization of cell lines and cell based assay development and implementation with the goal of evaluating biological function. The ability to envision and develop functional readouts in novel, information-rich ways is highly desirable. The successful candidate will be capable of interacting with a wide range of scientists in a team oriented environment and have excellent communication skills. Familiarity with protein chemistry and molecular biology is a plus. A Ph.D. degree in Cell Biology or related field with 3+ years of work experience is required. **Code: CBFG**

Our commitment to our employees includes an excellent salary and a comprehensive benefits package. To apply, please forward your cover letter and resume to: **DuPont Pharmaceuticals Company, Attn. Human Resources - AMS, Experimental Station, E400/2413, Route 141 and Henry Clay Rd., Wilmington, DE 19880; e-mail: AMSresume@dupontpharma.com.** An Equal Opportunity Employer.



DuPont Pharmaceuticals Company

POSITIONS OPEN

EARTH SCIENCE: Old Dominion University invites applications for a tenure-track **ASSISTANT PROFESSOR** in Earth sciences to contribute to the educational and research programs in the Department of Ocean, Earth, and Atmospheric Sciences ([website: www.ocean.odu.edu](http://www.ocean.odu.edu)). We seek a dynamic Earth Scientist whose research interests complement and build on existing geological strengths in coastal and environmental geology. Specific areas of interest could include geomicrobiology, low-temperature mineralogy, or paleoclimatology. The successful candidate will have a Ph.D. in geology, Earth sciences, or a related field; an interdisciplinary orientation; a record of research and publication; strong potential to establish a funded research program; and potential to excel at teaching at the undergraduate and graduate level. Ability to interact on research projects with faculty in the Department of Ocean, Earth, and Atmospheric Sciences and other departments at Old Dominion University is strongly desired. Applicants should send complete curriculum vitae; a statement of research and teaching interests; and the names, addresses, telephone numbers, and e-mail addresses of three references to: **Chair, Earth Sciences Search Committee, Old Dominion University, Department of Ocean, Earth, and Atmospheric Sciences, Norfolk, VA 23529**. Review of applications will begin December 15, 2000, and will continue until the position is filled. *Old Dominion University is an Affirmative Action/Equal Opportunity Institution and requires compliance with the Immigration Reform and Control Act of 1986.*

DEPARTMENT OF MICROBIOLOGY University of Washington School of Medicine, Seattle

The Department of Microbiology is seeking to expand its program in bacterial-host interactions. We are seeking an individual at the **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level who will develop a well-funded, active, independent research program. The successful candidate will join a modern, multidisciplinary department focusing on molecular and genetic aspects of infectious diseases, host pathogen interactions, microbial physiology, mathematical biology, and biodiversity. The recruited faculty member will be expected to participate in the Department's undergraduate, graduate, and/or medical school teaching programs. Applicants should possess a Ph.D. or M.D. degree and have at least two years of postdoctoral experience. Applicants should submit curriculum vitae, selected reprints, names and addresses of four references, and statement of research interests to: **Dr. James C. Lara, Chair, Microbial Pathogenesis Search Committee, Department of Microbiology, Box 357242, School of Medicine, University of Washington, Seattle, WA 98195**. Deadline for applications is January 1, 2001.

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

The University of Tennessee at Chattanooga invites applications for a tenure-track appointment as **ASSISTANT PROFESSOR** in biochemistry beginning August 1, 2001. The Ph.D. is required, and teaching responsibilities will include general chemistry and biochemistry courses. The successful applicant will be expected to establish a productive undergraduate research program. The chemistry program at UTC is staffed by an 11-member faculty and is approved by the American Chemical Society. The Department has 200 majors and is noted for excellence in undergraduate education (see [website: http://www.utc.edu/chemdept](http://www.utc.edu/chemdept)). Applicants should send a résumé, a statement of teaching philosophy, a description of research interests, and three letters of recommendation to: **Dr. Thomas Waddell, Search Committee, Chair, Department of Chemistry Number 2252, The University of Tennessee at Chattanooga, Chattanooga, TN 37403**. Screening of applicants will begin on January 3, 2001, and will continue until the position is filled. *The University of Tennessee at Chattanooga is an Equal Employment Opportunity/Affirmative Action/Title IX/Title IX/Section 504/American With Disabilities Act/Age Discrimination in Employment Act Institution.*

POSITIONS OPEN

EARTH AND PLANETARY MATERIALS (REVISED) Department of Geology University of Toronto

The Department of Geology invites applications for a tenure-track position at the St. George campus in the field of Earth and planetary materials. The position is at the **ASSISTANT PROFESSOR** level and is made available through a major endowment that has created the McRae-Quantec Chair in Geosciences, a senior position to be held by the Chair of the Department. We encourage applications from candidates in all specialties within this broad field. Postdoctoral experience will be an important asset, but applicants must be able to demonstrate their ability for independent research and a potential for collaboration with existing research programs described on our [website: www.geology.utoronto.ca](http://www.geology.utoronto.ca). In addition to establishing an internationally recognized independent research program, the successful candidate must have a strong commitment to teaching; she/he will be expected to teach upper-level and undergraduate courses in fields related to their specialisation as well as general introductory courses.

The Department of Geology is well equipped with analytical and experimental facilities to support Earth and planetary materials research. More information on facilities and programs is available on our Website.

Applicants should send curriculum vitae, statement of research plans, and the names of three references to: **Chair, Department of Geology, University of Toronto, 22 Russell Street, Toronto, Ontario, M5S 3B1 Canada** by January 15, 2001. They should also arrange for their references to send supporting letters directly to the above address or by e-mail: chair@geology.utoronto.ca. The position is available July 1, 2001.

The University of Toronto is strongly committed to diversity within its community. The University especially welcomes applications from visible minority group members, women, aboriginal persons, persons with disabilities, and others who may add to the diversity of ideas.

FACULTY POSITION CARBON CYCLE SCIENCE THE PENNSYLVANIA STATE UNIVERSITY

Penn State University plans to add 25 new faculty in a Universitywide effort to increase the visibility and stature of an already strong, diverse program of environmental research and education. As part of the University's Environmental Consortium effort, The College of Earth and Mineral Sciences seeks applications for a tenure-track position to complement growing strengths in the area of carbon cycle science. Hiring is proposed at the **ASSISTANT PROFESSOR** level, but exceptional candidates will be considered at a higher rank commensurate with qualifications and experience. A Ph.D. degree and a commitment to high-quality research and teaching are required. Preference will be given to applicants with expertise in understanding carbon source-sink relations (e.g., land use/land cover change and remote sensing, ocean carbon cycle, land surface processes, oxygen and isotopic studies, atmospheric inversions); deliberate carbon sequestration/emissions reduction strategies (e.g., deep geological or oceanic storage, terrestrial storage, efficiency in fuel combustion, energy forecasting related to carbon emissions); or some combination. The successful applicant will be appointed in one of the following departments: Energy and Geo-environmental Engineering; Energy, Environmental, and Mineral Economics; Geography; Geosciences; or Meteorology. Strong ties to the College's Energy and Environment Institutes are also encouraged. Applicants should submit a letter of interest, curriculum vitae, and the names of four references to: **Dr. William E. Easterling, c/o Ms. Deb Detwiler, EMS Environment Institute, Pennsylvania State University, 2217 EES Building, University Park, PA 16802**. Applications received by December 1, 2000, will be given full consideration. The position will remain open until filled. *The Pennsylvania State University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

POSITIONS OPEN

ENDOWED BIOENGINEERING PROFESSORSHIP, The College of Medicine, Penn State, Hershey, Pennsylvania: The Musculoskeletal Research Laboratory, Department of Orthopaedics and Rehabilitation of the Pennsylvania State University College of Medicine, announces an opening for an **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** (tenured or tenure track) in the area of musculoskeletal bioengineering. This is an endowed faculty position and includes significant start-up funds as well as continuous dedicated research funding. The successful candidate will hold a Doctoral or equivalent degree in engineering, physics, or a related technical field. The successful candidate will be an individual who can apply engineering concepts to the study of musculoskeletal tissues at the cell and molecular level. We are especially interested in candidates with expertise in cell mechanics or tissue engineering. This is a unique opportunity to join a well-established, highly interactive research group consisting of engineers and clinical and basic Scientists focusing on musculoskeletal research. A joint academic appointment will include a primary appointment in the College of Medicine and a secondary appointment in an engineering program/department. For full consideration, applications should be received by January 1, 2001; however, applications will be accepted until the position is filled. Send curriculum vitae, three letters of reference, and a brief description of research interests to: **Henry J. Donahue, Ph.D., Chair, Greer Professorship Search Committee Musculoskeletal Research Laboratory, Department of Orthopaedics and Rehabilitation, The Pennsylvania State University, College of Medicine, Position Number S-9409, 500 University Drive, H163, Hershey, PA 17033**. E-mail: hdonahue@psu.edu. *Affirmative Action/Equal Opportunity Employer.*

TWO ECOLOGY POSITIONS

The Biology and Microbiology Department at the University of Wisconsin Oshkosh invites applications for two tenure-track **ASSISTANT PROFESSORS** in biology, one with specialty in aquatic or wetland ecology and one with specialty in ecosystem-level ecology, beginning 1 September 2001. Ph.D. required; postdoctoral and teaching experience desirable. Responsibilities: share in teaching advanced ecology courses and introductory biology, develop a research program in ecology, pursue extramural funding, supervise M.S. theses. Letter of application, brief statements of teaching philosophy and research interests, curriculum vitae, reprints, and three letters of recommendation and transcripts to: **Chair, Department of Biology and Microbiology, University of Wisconsin Oshkosh, Oshkosh, WI 54901** by 10 January 2001. At least one of the letters of recommendation should come from the institution to which the candidate is currently attached. For additional information, see the Departmental [website: http://www.uwosh.edu/departments/biology](http://www.uwosh.edu/departments/biology). *The University of Wisconsin Oshkosh is an Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITION COMPUTATIONAL BIOLOGY

Northwestern University invites applications for a new faculty position in the life sciences with a possible joint appointment in statistics. Fields of interest include but are not restricted to computational biology, image processing, bioinformatics, computational neuroscience, and quantitative molecular genetics. Applicants should submit curriculum vitae, research summary, statement of future research and teaching interests, and four letters of recommendation to:

**David Ferster
Chair, Computational Biology Search Committee
Northwestern University
2153 North Campus Drive
Evanston, IL 60208**

Screening will commence December 15, 2000, and continue until the position is filled.

Northwestern University is an Affirmative Action/Equal Opportunity Employer. Women and individuals in underrepresented groups are encouraged to apply.



The
UNIVERSITY
of VERMONT

CHAIR

**BOTANY AND AGRICULTURAL BIOCHEMISTRY
UNIVERSITY OF VERMONT**

The University of Vermont invites applications for the Chair of the Department of Botany and Agricultural Biochemistry. We seek candidates whose personal and professional qualities and experience assure superior leadership in all areas of academic endeavor. The successful candidate will have demonstrated ability to promote the success of others, to facilitate groups spanning diverse areas of investigation, some administrative experience, strong communication skills, and a commitment to academic excellence, affirmative action, and cultural diversity. Candidates must have a nationally recognized research program and an understanding of the role of basic research within the mission of a comprehensive, land-grant university. In addition, candidates must present a record of both teaching and scholarly achievement meriting a tenured professorship within an academic University. The department offers a supportive and collegial atmosphere with extensive interdepartmental interactions within the University. Details about the University and departmental research interests may be viewed on the web at <http://www.uvm.edu/~plantbio>. Burlington is located on the shore of Lake Champlain, nestled between the Green Mountains and the Adirondacks. It is a small, lively city that serves as the cultural, educational and economic hub of a wide area.

Applicants should submit a letter of interest describing his/her qualifications as indicated above accompanied by a curriculum vitae, and names, addresses, and telephone numbers of three to five referees sent to: **Dr. Paula Fives-Taylor, Professor and Search Committee Chair, Dept. of Microbiology and Molecular Genetics, Stafford Hall, University of Vermont, Burlington, VT 05405.** Review of applications will begin January 2, 2001 and continue until the position is filled.

The University of Vermont is an equal opportunity, affirmative action employer. Women and people of color are encouraged to apply.

NYU School of Medicine is respected worldwide for our innovative leadership in research, education and medicine. We currently have the following opportunities available working in our Genetics Research Laboratories. These are state of the art laboratories that discover new genes for male sexual differentiation and hereditary susceptibility to prostate cancer and that perform molecular genetic testing.

LABORATORY SUPERVISOR

The individual in this position will work in both a molecular diagnostic clinical lab as well as a research lab focusing on gene mapping/function. You will be responsible for overseeing the accessioning and flow through the lab, reagent preparation, quality assurance, and equipment and lab maintenance. You will ensure compliance with all regulations, troubleshoot problems with routine lab tests and assist in new test development. In addition, you will train lab technicians. The ideal candidate will possess a Bachelor's in Biology or Chemistry and 4 years' laboratory experience, preferably including 2 years' in a supervisory role.

RESEARCH TECHNICIAN

The responsibilities for this position include preparation and analysis of nucleic acids, bacterial and eukaryotic cell culture, analysis and reporting of results, as well as general lab maintenance. The ideal candidate will possess a Bachelor's in Science and a minimum of 1 year experience.

In addition, there are several other positions available at both the supervisory and technician levels within the department, as well as several other research opportunities at the medical school. We offer competitive salaries, a comprehensive benefits package, and a great opportunity to join the NYU School of Medicine team. For consideration, please send your resume and salary requirements, indicating position of interest, to: **Tisa Hall, Staffing Specialist, NYU School of Medicine, 550 First Avenue, New York, NY 10016. Fax: (212) 404-3897. E-mail: resume@med.nyu.edu (indicating Laboratory in subject area). Visit our web site at www.med.nyu.edu/employment. EOE.**



NEW YORK UNIVERSITY



UNIVERSITY OF
RHODE ISLAND

Dean, College of Pharmacy

The University of Rhode Island invites applications and nominations for the position of Dean of the College of Pharmacy. The Dean is the Principal Administrative Officer of the College and reports directly to the Provost and Vice President for Academic Affairs of the University. The University of Rhode Island is a land grant, sea grant, and urban grant institution enrolling approximately 10,320 undergraduate and 3,115 graduate students with a full-time faculty of 615. Candidates are invited to view additional information at the University's web site: <http://www.uri.edu> and the College of Pharmacy Web site: <http://www.uri.edu/pharmacy/>.

COLLEGE OF PHARMACY

The College of Pharmacy offers the Doctor of Pharmacy, MS, and PhD degree in Pharmaceutical Sciences. The College has 35 full-time faculty and 12 professional staff organized into three departments: Biomedical Sciences, Applied Pharmaceutical Sciences, and Pharmacy Practice. Areas of concentration in the Biomedical Sciences include pharmacology and toxicology, medicinal chemistry, and pharmacognosy. The Applied Pharmaceutical Sciences include concentrations in pharmaceuticals, pharmacy administration, cosmetics and personal care products technology, regulatory affairs and pharmacoepidemiology and pharmacoconomics. The Department of Pharmacy Practice maintains affiliations with over 250 hospitals, community pharmacies, and other healthcare settings throughout Rhode Island and New England. These affiliations provide faculty and students with diverse practice, research, and educational opportunities in managed care, community pharmacy, community hospitals, academic medical centers, and long-term care institutions. The College is also actively involved in numerous outreach programs in areas of pharmacy practice and provides many continuing education programs to pharmacists in Rhode Island and surrounding states. The College is the site of The Rhode Island State Crime Laboratory, and the Heber W. Youngken, Jr. Medicinal Plant Garden.

QUALIFICATIONS

Candidates shall possess an earned Doctoral degree and be a U.S. licensed pharmacist. The successful candidate will have: 1) a significant record of professional achievement appropriate for appointment as a Professor in the College of Pharmacy; 2) a strong background in pharmacy education, teaching, research and administrative experience (at least 5 years); 3) a strong commitment to raising funds through advancement activities; 4) a clear understanding of the profession of pharmacy; 5) a commitment and vision in advancing the practice of pharmacy and research in the pharmaceutical sciences; 6) excellent interpersonal skills and sensitivity needed to manage a College of students, faculty, and staff from diverse backgrounds; 7) a commitment to gender equity issues; 8) the leadership skills in pharmacy to represent the College locally, nationally and internationally; and 9) a strong commitment to maintain the College's reputation for excellence in scholarship, education and practice. Preference will be given to candidates who have practiced in Pharmacy.

APPLICATION PROCESS

Screening of applications and nominations will begin on **December 15**, and will continue until the position is filled. Candidates should submit a letter of application and curriculum vitae, and the names and addresses of five reference to: **Winifred Brownell, Search Committee Chair, (Log #SM161113), UNIVERSITY OF RHODE ISLAND, P.O. Box G, Kingston, RI 02881.** The University of Rhode Island is an AA/EEO employer and is strongly committed achieving excellence through increased diversity of its faculty, staff, and students. Women, ethnic minorities, and individuals from under-represented groups are encouraged to apply.

POSITIONS OPEN

LANDSCAPE ECOLOGY MCGILL UNIVERSITY

The Department of Plant Science and the McGill School of Environment (MSE) invite applications for a joint tenure-track position in landscape ecology at the **ASSISTANT PROFESSOR** level effective summer 2001. Exceptional candidates may be considered at a higher level. The successful candidate is expected to develop a vigorous research and graduate training program in one or more of the following areas: spatial and temporal dynamics of plant communities or populations in natural/managed ecosystems, ecological genetics, spatial ecology, impact of land use on biodiversity, restoration ecology, or related areas. Candidates must have a Ph.D. in a relevant field and be able to teach plant ecology and contribute to interdisciplinary teaching. Applicants should send their curriculum vitae, representative publications, a statement of research and teaching interests, and arrange to have three letters of reference sent to: **Dr. Marcia Waterway, Chair, Search Committee, Department of Plant Science, McGill University, 21111 Lakeshore Road, Ste. Anne de Bellevue, QC H9X 3V9 Canada. Website: <http://www.agrenv.mcgill.ca/plant/position.html>.** The closing date is February 5, 2001. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. However, all qualified applicants are encouraged to apply. McGill University is committed to Equity in Employment.

ASSISTANT PROFESSOR CARDIOVASCULAR PHYSIOLOGY

Individuals employing modern cellular and molecular approaches to investigate the physiology of organs and organ systems are invited to apply for a 12-month tenure-track position at the Assistant Professor level. Candidates must possess a Ph.D., M.D., or equivalent degree and at least two years of postdoctoral experience. Preference will be given to candidates with anticipated/current research funding from national sources and expertise in cardiovascular physiology or developmental cardiovascular physiology. The successful candidate will be expected to pursue an active, independent research program and participate in medical and graduate teaching. Oklahoma University Health Sciences Center offers excellent opportunities for collaboration with multidisciplinary groups of Cardiac/Vascular Scientists as well as Fetal/Neonatal Physiologists. Applicants should submit curriculum vitae, a brief description of current and future research interests, and have three letters of reference sent to: **Dr. Sinya Benyajati, Department of Physiology, College of Medicine, The University of Oklahoma Health Sciences Center, P.O. Box 26901, Oklahoma City, OK 73190. FAX: 405-271-3181; e-mail: siribhinya-benyajati@ouhsc.edu; website: <http://w3.ouhsc.edu/physiology>.** Completed applications will be accepted until January 31, 2001. Anticipated starting date: fall 2001. OUHSC is an Equal Opportunity Institution.

Brooklyn College/CUNY invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level in the Departments of Anthropology and Biology beginning September 2001. We seek a broadly trained Biological Anthropologist with a strong research-oriented background in human bone histology (osteology/anatomy) and in human evolution and ecology. The faculty member is required to develop a research program that generates external funding and trains undergraduate and graduate research students. Applicants must have a Ph.D. degree, postdoctoral training, publications, and a strong commitment to undergraduate education. A complete application consists of curriculum vitae, statement of research plans, and three letters of recommendation (to be sent directly from three references). Review of applications will begin on January 1, 2001, and continue until position is filled. Apply to: **Dr. Joan Rome, Office of Personnel Services, Brooklyn College, 2900 Bedford Avenue, Brooklyn, NY 11210.** An Affirmative Action/Equal Employment Opportunity/IRCA/Americans With Disabilities Act Employer.

POSITIONS OPEN

TENURE-TRACK FACULTY POSITIONS BIOENGINEERING AT RICE UNIVERSITY

The Department of Bioengineering at Rice University invites applications for two tenure-track faculty positions. Applicants should have a strong multidisciplinary background in their respective fields and substantial experience in independent research and in obtaining competitive funding. For both positions, we are particularly interested in **RESEARCHERS** with exceptionally strong research expertise and interest in working at both the macro level of tissues and micro/nanoscale level of cells, organelles, and molecules.

The successful applicant would establish research collaborations with institutions at the adjacent Texas Medical Center, groups at the Institute of Biosciences and Bioengineering at Rice University, and with the Keck Center for Computational Biology in Houston. Applicants would be expected to develop and teach courses in the areas of biomedical engineering at the undergraduate and graduate levels. Applicants should send curriculum vitae, which includes a list of publications; a statement describing their proposed research; and names of at least three references to:

**Professor Larry V. McIntire
Chair
Department of Bioengineering MS 142
Rice University
P.O. Box 1892
Houston, TX 77251-1892**

For full consideration, applications should be received by February 1, 2001.

Rice University is an Equal Opportunity Employer.

ECOLOGY FACULTY POSITION Department of Biological Sciences Humboldt State University

A full-time, **TENURE-TRACK POSITION** is available for fall 2001. Requires Ph.D. in biological sciences at time of appointment. Expertise in animal population or community ecology with skills in quantitative analyses and field studies is essential. Primary responsibilities will be to teach a principles of ecology course and develop advanced courses in ecology. Other duties will include advising undergraduate students and Master's degree candidates. Recent teaching experience is essential. Research is expected. Send résumé, three letters of recommendation, and undergraduate and graduate transcripts to: **Chair, Ecology Search Committee, Department of Biological Sciences, Humboldt State University, Arcata, CA 95521. Telephone: 707-826-4166; FAX: 707-826-3201; e-mail: turner@humboldt.edu.** Completed application materials must be postmarked by January 16, 2001. FAXED or e-mailed applications are not acceptable. *Equal Opportunity/Affirmative Action Employer. Women, persons with disabilities, and minorities are encouraged to apply.*

ECOLOGICAL PLANT PHYSIOLOGIST University of Wisconsin-Milwaukee

The Department of Biological Sciences at the University of Wisconsin-Milwaukee solicits applications for a tenure-track position in ecological plant physiology. We seek an **ASSISTANT PROFESSOR** with postdoctoral experience with interest in aquatic plants or algae. This individual will interact with current faculty in plant biology, ecology, and evolutionary biology. The successful candidate will establish an extramurally funded research program and contribute to departmental teaching. Send curriculum vitae, concise statement of research and teaching goals, and three letters of recommendation to: **Chair, Ecological Plant Physiologist, Search Committee, Department of Biological Sciences, P.O. Box 413, University of Wisconsin-Milwaukee, Milwaukee, WI 53201-0413.** Applications must be postmarked by February 16, 2001. *University of Wisconsin-Milwaukee is an Affirmative Action/Equal Opportunity Institution.*

POSITIONS OPEN

FACULTY POSITION BIOLOGY/BIOINFORMATICS

The Department of Biology at Vassar College invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level in the broad area of bioinformatics. We seek an outstanding teacher and Investigator who uses informatic approaches to study fundamental aspects of biology. Research interests may include but are not limited to the following areas: metabolic systems, cellular systems such as signaling or transport, immunological systems, gene expression, functional or comparative genomics, and evolution. The successful candidate will teach at all levels of the curriculum including introductory biology and develop a course on bioinformatics. Development of a research program with student participation is expected and start-up funding is provided. A Ph.D. in biological science with demonstrated proficiency in bioinformatics is required and postdoctoral experience is preferred. This position is funded in part by a grant from the Howard Hughes Medical Institute. Applicants should submit curriculum vitae, a list of publications and representative reprints, a statement of research interests, a statement on teaching philosophy, and four letters of reference by 15 January 2001 to: **David Jemiolo, Chair, Department of Biology, Box 731, Vassar College, Poughkeepsie, NY 12604. E-mail: jemiolo@vassar.edu; website: <http://depts.vassar.edu/~biology/>.** *Vassar College is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR. The Department of Biological Sciences, Kent State University, is extending the search for applicants for a tenure-track position to start August 2001. We are seeking an individual whose research interests complement those of the Reproductive Biology group and who is using molecular and genetic approaches to answer fundamental questions in biology. The appointee will be expected to develop a strong, independent research program and to participate in the Doctoral program. Instructional responsibilities include graduate and undergraduate teaching. The Ph.D., postdoctoral experience, publications, and potential for extramural funding are required. Applications must include a statement of research and teaching interests, curriculum vitae, recent publications, transcripts, and three letters of recommendation. The review of applications will begin on December 15, 2000, and continue until the position is filled. All materials should be submitted to: **Dr. Douglas Kline, Department of Biological Sciences, Kent State University, Kent OH 44242. E-mail: dkline@biology.kent.edu. Website: <http://www.kent.edu/biology>.**

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

Meredith College seeks qualified candidates for the position of **ASSISTANT PROFESSOR** in the Department of Biology and Health Sciences to begin August 2001. Applicants must have a Ph.D. in the biological sciences and demonstrate the ability to teach biochemistry and/or cell biology and an area of the biology of eukaryotic organisms. Candidates should be committed to undergraduate education and undergraduate research and be interested in making a difference in the science education of women. Meredith College is a private comprehensive college of 2,600 students offering both liberal arts and professional programs. Construction of a new science facility will begin in 2001. The College is located near the world-renowned Research Triangle Park in Raleigh, North Carolina. Applications will be reviewed beginning January 12, 2001, and continue until the position is filled. Send letter of application, résumé, statements of teaching philosophy and research goals, copies of transcripts, and three letters of support to: **Dr. John Mecham, Head, Department of Biology and Health Sciences, Meredith College, 3800 Hillsborough Street, Raleigh, NC 27607.** *Meredith College is an Equal Employment Opportunity Employer. Meredith College seeks to increase diversity among its faculty and staff. Minority candidates are strongly encouraged to apply.*



FACULTY POSITION: BIOMOLECULAR IMAGING/ BIO-NANOTECHNOLOGY

The Department of Bioengineering at the University of California, Berkeley invites applications for a tenure-track or tenured position at the assistant, associate, or full professor level starting July 1, 2001. The new Department of Bioengineering on the Berkeley campus has a joint graduate program at Berkeley and UCSF and plans a joint, inter-campus department between the two UC campuses. The position also includes opportunities for involvement in relevant programs at the Lawrence Berkeley National Laboratory (LBNL). The juxtaposition of two major research universities and an outstanding national research institute provides an exceptional environment for both research and training in these areas. The successful candidate will have a unique opportunity to provide intellectual and technological leadership in bioengineering and facilitate programmatic interactions across the University of California.

Applicants should have (or be about to receive) a doctoral degree or equivalent in the physical or biological sciences or engineering applied to biomedical systems, and a research focus in one of the broad areas listed below:

- nanoscale and microscale biotechnology
- biophotonics
- molecular microscopy & bioimaging
- single molecule detection

We seek individuals with demonstrated excellence in research, and the potential for excellence in teaching and leadership. Successful applicants will be expected to establish a pre-eminent research and educational program, and develop and teach courses in their general area of specialty.

Applicants should send a complete curriculum vitae, a selection of publication reprints (five or less), a brief statement of future research plans and interests, and the names of at least three references to: Professor Dorian Liepmann, Chair, Biomolecular Imaging & Bio-Nanotechnology Search Committee, Department of Bioengineering, 459 Evans Hall MC 1762, University of California, Berkeley, CA 94720-1762. **The review of applications will commence December 1, 2000; all applications must be received by February 1, 2001 for consideration in this year's recruitment cycle.**

The University of California is an equal opportunity employer, committed to excellence through diversity

MONTEREY BAY AQUARIUM RESEARCH INSTITUTE

POSTDOCTORAL FELLOWSHIPS

The Monterey Bay Aquarium Research Institute (MBARI) is seeking applicants for 2-year postdoctoral appointments in all areas of marine science and engineering. Founded in 1987 and supported by the David and Lucile Packard Foundation, MBARI is a non-profit oceanographic research institute, dedicated to the development of state-of-the-art instrumentation, systems, and methods for scientific research in the oceans. MBARI's research center includes state-of-the-art science and engineering laboratories, as well as an operations facility to support our two research vessels and two remotely operated vehicles.

Located in Moss Landing, California, the heart of the nation's largest marine sanctuary, MBARI emphasizes a balanced emphasis on science and engineering, with established programs in marine robotics, ocean physics, chemistry, geology, and biology, as well as information management and ocean instrumentation research and development. Fellowships may require occasional trips to sea.

Applicants should be recent Ph.D. recipients, or 2001 degree candidates. Applications should be received by January 31, 2001 and must include a curriculum vita, at least three professional letters of recommendation, and succinct statements of both the applicant's doctoral research and proposed research goals at MBARI. Selections will be announced by April 3, 2001. Please note that candidates must complete their Ph.D. degree prior to commencing the two-year appointment between October 2001 and March 2002. First year salary is \$37,000; second year \$40,000.

Please send resume and cover letter to:

MBARI

Human Resources
7700 Sandholdt Road
Moss Landing, CA, 95039-9644
Fax to (831) 775-1620, or
email to jobs@mbari.org



EOE • MBARI Welcomes Diversity

MONTEREY BAY AQUARIUM RESEARCH INSTITUTE

POSTDOCTORAL FELLOW

Founded in 1987 by the late David Packard, Monterey Bay Aquarium Research Institute is a non-profit, private oceanographic research institute, uniquely dedicated to the development of state-of-the-art equipment, instrumentation, systems and methods for scientific research in the deep waters of the ocean. Located in Moss Landing, California, MBARI's research center includes science and engineering laboratories, as well as an operations facility to support our two research vessels and two remotely operated vehicles. For more information on MBARI, please visit our web site at <http://www.mbari.org>.

This postdoctoral fellow will participate in a Department of Energy-funded research project investigating the chemistry and biology of carbon dioxide sequestration in the deep ocean. A broad goal of this three-year project is to evaluate the feasibility of deep-sea carbon dioxide sequestration as a potential mitigation for anthropogenic green-house gas release into the atmosphere. Additional information on our research concerning the ocean chemistry of greenhouse gases is available on the web at <http://www.mbari.org/ghgases>. Postdoctoral research will concern the biological impacts of deep-sea CO2 release, including laboratory and field studies of the physiological responses of marine organisms to carbon dioxide discharge at depths to 4000 m.

Applicants should be recent Ph.D. recipients, or 2000 degree candidates, preferably with significant research experience in the physiology of marine organisms, particularly the effects of hypercapnia, hypoxia, or pH reduction. Applications should include a curriculum vita, at least three professional letters of recommendation, and a statement concerning research and training relevant to this project. Please note that candidates must complete their Ph.D. degree prior to commencing the two-year appointment. First year salary is \$37,000; second year \$40,000.

Please send resume and cover letter to:

MBARI

Human Resources
7700 Sandholdt Road
Moss Landing, CA, 95039-9644
Fax to (831) 775-1620, or
email to jobs@mbari.org



EOE • MBARI Welcomes Diversity

Department of Molecular Microbiology and Immunology Brown University

Faculty Position in Microbial Pathogenesis and Host Defense

A full-time faculty position is open for an Assistant Professor (tenure-track) with expertise in host and pathogen interactions. Preference will be given to applicants with a research focus complementing that of the existing faculty and the training program in Pathobiology of Infectious Disease and Host Defense. There is particular interest in multidisciplinary work on early events during bacterial or viral infections, and/or on characterization of host intracellular signaling pathways regulated by interactions with microbial products. Final selection will be for a candidate of outstanding ability. Applicants should have doctoral degree and at least two years of postdoctoral experience. They must show evidence of ability to establish and maintain a productive, independent, externally funded research program, and must demonstrate potential for excellence in teaching microbiology or immunology. Opportunities exist to interact with members of the Graduate and Postdoctoral Programs in Division of Biology and Medicine. Teaching responsibilities include participation in the basic science microbiology course for medical students as well as a course in microbiology or immunology. Academic advising of undergraduate and graduate students and service to the Division of Biology and Medicine are responsibilities assumed by all faculty members of the Department. The appointment will begin on or after July 1, 2001. Applications received by February 1, 2001 will receive full consideration. Applicants should submit a *curriculum vitae* including research and teaching experience, publications, and future research plans; enclose representative reprints; and have three letters of recommendation sent to **Dr. Christine A. Biron, Chairperson of the Faculty Search Committee, Department of Molecular Microbiology and Immunology, Box G-B6, Division of Biology and Medicine, Brown University, Providence, RI 02912.**

We encourage qualified women and minority candidates. Brown University is an equal opportunity/affirmative action employer.

POSITIONS OPEN

FACULTY POSITIONS DEPARTMENT OF NEUROBIOLOGY University of Massachusetts Medical School

The Department of Neurobiology, recently established as part of the unprecedented research expansion at the University of Massachusetts Medical School, has immediate openings for several junior (**TENURE-TRACK**) or senior (**TENURED**) positions. The Department will be the driving force for neuroscience on campus and augment an already existing interdisciplinary program in neuroscience. The laboratories for the Department will be housed on one floor of a new, state-of-the-art, 340,000 square-foot research building that will be completed in August 2001.

The Department seeks individuals of outstanding potential who are investigating fundamental mechanisms of brain function. Specific areas of emphasis include but are not limited to molecular, cellular, and developmental neurobiology including cellular electrophysiology. The positions are highly competitive with regard to start-up funds, laboratory space, and salary. Rank will be commensurate with ability and experience.

Applicants should send curriculum vitae, statement of research interests, and names and addresses of three references to:

Dr. Steven M. Reppert
Chair, Department of Neurobiology
University of Massachusetts Medical School
373 Plantation Street
Worcester, MA 01655

An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS DEPARTMENT OF BIOLOGY CARLETON COLLEGE

Carleton College Department of Biology invites applications for **TWO TEMPORARY FULL-TIME POSITIONS** for the 2001-2002 academic year (1 September to 15 June).

Ecology: evolutionary biology. Teaching responsibilities over three terms will include an upper-level course in evolution, an upper-level course in population ecology with laboratory, involvement in the introductory biology sequence, and a junior/senior seminar course in candidate's area of expertise.

Animal development: molecular biology. Teaching responsibilities over three terms will include an upper-level course in animal development with laboratory, an upper-level course in molecular biology with laboratory, involvement in the introductory biology sequence, and another course in candidate's area of expertise.

Ph.D. preferred; A.B.D. considered. Send letter of application, curriculum vitae, graduate transcripts, a statement of teaching philosophy, a brief summary of research, and three letters of reference to: **Professor Mark McKone, Department of Biology, Carleton College, Northfield, MN 55057-4025**. Application deadline is 3 January 2001. Carleton is a highly selective liberal arts college with 1,800 undergraduates located 45 miles south of Minneapolis and St. Paul, Minnesota. *Carleton College is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are strongly encouraged to apply.*

POSTDOCTORAL POSITIONS UNIVERSITY OF CALIFORNIA AT LOS ANGELES

To investigate the mechanisms, genetic control, and inducibility of homologous and illegitimate recombination in *Saccharomyces cerevisiae*. Experience in molecular biology and microbiology required. Please apply to: **Dr. Robert H. Schiestl**; current address: Department of Cancer Cell Biology, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115. E-mail: schiestl@hsph.harvard.edu.

POSITIONS OPEN

ASSISTANT PROFESSOR ADELPHI UNIVERSITY The College of Arts and Sciences

Adelphi University, founded in 1896, is Long Island's first liberal arts college and comprises a College of Arts and Sciences and the Schools of Business, Education, Nursing, Social Work, the Honors College, the Derner Institute of Advanced Psychological Studies, and University College. It is Adelphi University's mission to provide high-quality undergraduate and graduate education and to offer professional preparation of the first rank.

We seek faculty who are attracted to working closely with a diverse student body, both graduate and undergraduate, and who have demonstrated the potential to become leaders in their field of knowledge. The position is subject to funding.

Biology: For a tenure-track position beginning in September 2001 at the rank of **ASSISTANT PROFESSOR**, the Department seeks an Ecologist with expertise in one or more of the following: biostatistics, population dynamics, computer modeling, and environmental sciences. Duties include teaching at both the undergraduate and graduate levels and establishing a research program. Candidates should possess the Ph.D. and promise as an Instructor. Desirable qualities include postdoctoral research and publications and teaching experience. Course assignments will include principles of ecology, ecological systems (graduate), a course in a secondary area of expertise, and possibly introductory biology. The research component should include significant field-based investigation. Please submit curriculum vitae, a statement describing accomplishments that speak to the above criteria, and names of three references to: **Professor James Dooley, Chair, Biology Department, Adelphi University, Garden City, NY 11530**. The availability of this position is subject to change. For additional information about Adelphi University, please visit our website: www.adelphi.edu.

Adelphi University is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

Plant Biologist: ASSISTANT PROFESSOR to teach plant biology, parts of an introductory biology sequence, an upper-level course, and a nonmajors course in her/his area of expertise; to participate in the College's interdisciplinary academic programs including First-Year Seminar; and to direct undergraduate research in the College's required Independent Study program. Applicants should have a Ph.D.; postdoctoral research and/or teaching experience preferred. We seek a broadly trained Botanist who might specialize in plant systematics, plant physiology, or plant/microbe interactions, but we are open to applicants from other subfields as well. Send curriculum vitae; transcripts; and three letters of recommendation to: **Dr. M. A. Hodge, Chair, Department of Biology, 931 College Street, The College of Wooster, Wooster, OH 44691** by January 30, 2000, to receive full consideration. The College of Wooster is an independent college of the liberal arts and sciences with a commitment to excellence in undergraduate education. *The College of Wooster is an Equal Opportunity/Affirmative Action Employer. The College values diversity, strives to attract qualified women and minority candidates, and encourages individuals belonging to these groups to apply. Wooster seeks to ensure diversity by its policy of making appointments without regard to age, sex, race, creed, national origin, disability, handicap, sexual orientation, or political affiliation.*

POSTDOCTORAL POSITIONS are available to work on molecular aspects of pancreatic cancer including microarray and proteomic approaches to the identification of biomarkers and targets for gene therapy. Candidates with a background in molecular and cell biology are encouraged to send curriculum vitae and three references, preferably electronically, to: **Dr. Logsdon, Department of Physiology, University of Michigan, Ann Arbor, MI 48109-0622**. E-mail: clogsdon@umich.edu. *Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

FACULTY POSITION DEPARTMENT OF PHARMACEUTICAL SCIENCES University of Southern California

The USC Department of Pharmaceutical Sciences invites applications for a tenure-track **ASSISTANT/ASSOCIATE PROFESSOR** position. The successful candidate is expected to develop an outstanding independent research program that will complement existing strengths in modern drug delivery, drug design, and drug targeting. Applicants conducting research in one or more of these areas and with a pharmacogenomics, genomics, and/or bioinformatics emphasis will be given the highest consideration. The strengths of the Department draw upon expertise in epithelial cell biology, membrane trafficking, computer modeling, molecular pharmacology, and pharmacokinetics. A competitive start-up package and salary commensurate with experience are offered. The successful candidate will be expected to participate in teaching at the graduate and professional levels in the School of Pharmacy.

Candidates should send the names of three references, curriculum vitae, and a summary of research accomplishments and future goals to: **Ian Haworth, Ph.D., Department of Pharmaceutical Sciences, School of Pharmacy, University of Southern California, 1985 Zonal Avenue, Los Angeles, CA 90089-9121**. Website: <http://www.usc.edu/hsc/pharmacy/pharmsci/>. Evaluation of applications will begin on January 15, 2001, and continue until the position is filled. *USC is an Equal Opportunity/Affirmative Action Employer.*

The Department of Developmental Biology and Anatomy at the University of South Carolina seeks to fill two academic positions. One position is for the **DIRECTOR OF MEDICAL EMBRYOLOGY AND GROSS ANATOMY** course. The rank of this position and tenure will be based on individual credentials. The successful applicant will be responsible for overseeing the medical school course, development of multimedia and e-learning approaches to gross anatomy, and participation in graduate programs to produce anatomy teachers. A second position is for a tenure-track **ASSISTANT PROFESSOR** who will develop a nationally funded research program as well as teach in the departmental courses for medical and/or graduate students. The research area is open but preference will be given to individuals with backgrounds that meet the School of Medicine core areas of cardiovascular development and developmental problems of cancer biology. Applicants are encouraged to submit curriculum vitae, evidence of teaching abilities, and statement of future goals to: **Search Committee, Department of Developmental Biology and Anatomy, University of South Carolina, School of Medicine, Columbia, SC 29208**. Interested applicants are encouraged to visit the departmental website: www.med.sc.edu/DBA89. *The University of South Carolina is an Affirmative Action/Equal Opportunity Employer.*

QUANTITATIVE ECOLOGIST/ENTOMOLOGIST: Permanent full-time position (GS-12; salary: \$50,000) available with U.S. Department of Agriculture Forest Service Research Unit. Ecology biology, and management of bark beetles and invasive forest insects of southern conifers in Pineville, Louisiana. Research duties include coordinating all aspects of a complex research program on population and/or landscape ecology of insects in Southern forests. Applicants must have knowledge of quantitative population ecology and mathematical models, skill in biometrics and/or nonlinear analysis, and ability to speak and write on technical subjects. Position is now open. To apply for the position and for further information about the unit (including current and former Scientists), visit website: www.srs.fs.fed.us/4501/ and/or contact: **Kier Klepzig, Project Leader, USDA Forest Service, 2500 Shreveport Highway, Pineville, LA 71360**. E-mail: kklepzig@fs.fed.us; Telephone: 318-473-7238. *USDA is an Equal Opportunity Provider and Employer.*



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

ALBAC - Danny Thomas, Founder

POSTDOCTORAL POSITION

POSTDOCTORAL POSITION available to study the events that control the pro-B cell to pre-B cell transition in the human. Ongoing projects include the characterization of patients with defects in B cell development, analysis of factors that influence the assembly of the pre-B cell receptor complex and identification of mechanisms that regulate expansion of early B cell precursors. The applicant should have a Ph.D or M.D./Ph.D and experience in molecular biology and/or tissue culture.

Please send curriculum vitae, statement of research interests, and three letters of reference to Dr. M. E. Conley, Department of Immunology, St. Jude Children's Research Hospital, 332 N. Lauderdale, Memphis TN 38105.

**St. Jude Children's Research Hospital
is an Equal Opportunity/
Affirmative Action Employer**

REGIONAL BIOLOGIST ES-0000*

The U.S. Geological Survey (USGS) is seeking candidates for the full-time position of Regional Biologist, Western Region, located in Seattle, Washington. This position is described as interdisciplinary and may be filled in one of the following series: biologist, ecologist, physical scientist, hydrologist, or geologist. Salary range for this position is \$115,970 to \$130,200 per annum.

The Biological Resources Program of the USGS encompasses the determination, appraisal, and preservation of the biological resources of the United States, its territories and possessions, and many foreign areas. The Program allows Federal resource managers to assess, predict, and manage the biological consequences of various management policies and practices and to identify and serve the science needs of a wide range of partners including State and other Federal agencies and the public. The Regional Biologist, Western Region, is responsible to the Regional Director for the planning, development, management, and implementation of regional level integrated and disciplinary natural science and information programs. Additionally, the Regional Biologist provides the scientific leadership, management and direction to the Biological Resources Program located throughout the Western Region.

Individuals interested in this position should contact the Human Resources Office at (703) 648-6131 to receive a complete vacancy announcement which describes job requirements (including Knowledge, Skills, and Abilities (KSA's) required for the position), an application, and evaluation procedures. Applications (Optional Application for Federal Employment (OF-612), or resume) must be received at the address referenced below by December 22, 2000, and should reference SES-00-01. A Reference and Qualifications Analysis form and a narrative qualifications statement addressing the KSA's should also be submitted by the above date and will be used in the evaluation of candidates.

Applications can be mailed, faxed, or delivered in person. Regardless of the method of delivery, it is your responsibility to ensure your application's successful conveyance. Faxed applications must not exceed 10 pages in length and must be received by 12:00 midnight on the closing date of the announcement. Mailed or hand delivered applications must be received by the close of business (4:30pm) on the closing date specified in the announcement.

**U.S. Geological Survey, Headquarters Operations,
601 National Center, Reston, Virginia 20192
FAX (703) 648-4113**

The U.S. Geological Survey is an Equal Opportunity Employer.

U.S. citizenship is required.

U.S. Geological Survey

Position Announcement

**The Medical College of Georgia
Medical College of Georgia Research Institute, Inc.**

Director of Biomedical Technology Transfer

This position will lead the identification, development, and commercialization of intellectual property at the Medical College of Georgia. Responsibilities include the full range of portfolio management to maximize technology commercialization and licensing opportunities with established and start-up companies. The position will further be responsible for the establishment of educational programs for faculty on issues related to technology protection and commercialization, and will liaison with the State of Georgia to facilitate biotechnology development.

A member of the 34-institution University System of Georgia, the Medical College of Georgia consists of the Schools of Allied Health Sciences, Dentistry, Graduate Studies, Medicine, and Nursing. One of four Research Universities in the System, MCG is committed to the development of collaborative relationships with other System institutions, State agencies, and the business and industrial sector.

Candidates for this position should have an advanced degree in a scientific field and have experience in technology transfer, marketing, or business development in the biomedical industry and in a university technology transfer office. An MBA is highly desirable. Entrepreneurial and interpersonal skills are important in this position. Salary is commensurate with qualifications and experience.

Please send a letter indicating interest and a resume by December 15, 2000 to:

**Medical College of Georgia
Human Resources Division
Augusta, GA 30912-8100
Email: Resume@mail.mcg.edu**



Director

Division of Intramural Research (DIR)

**National Institute of Environmental Health Sciences
Research Triangle Park, North Carolina
National Institutes of Health
Department of Health and Human Services**

The National Institute of Environmental Health Sciences in the National Institutes of Health is seeking exceptional candidates to fill the position of Director, Division of Intramural Research. The incumbent of this position will direct laboratory and clinical research through 18 laboratories and branches with approximately 550 employees and 250 non-ceiling personnel. The Director, DIR, will serve as a principal advisor to the Institute Director on scientific affairs involving multidisciplinary biomedical research programs; develops and recommends policies for the execution of research programs; determines effectiveness of current programs and recommends policies for new programs; and develops new and revised programs to meet national environmental health needs. The Division is organized into three scientific programs and the Office of Clinical Research which highlight the areas of research excellence of NIEHS. These programs are highly interrelated, interactive, and synergistic. Using the multidisciplinary biomedical research approach, the mission of the DIR is to contribute to the basic understanding of biological and chemical processes, understanding of the contributions of environmental agents to human disease and dysfunction, and to the underlying mechanisms of environmentally associated diseases.

Candidates must have either a M.D. or Ph.D. or equivalent degree in an environmental health science discipline. Salary is commensurate with experience and level of accomplishments and will range up to \$200,000. A Recruitment Bonus of up to 25% of base pay or a Relocation Bonus of up to 25% of base pay may also be available.

Interested persons should send a curriculum vitae to: HRMB-(HNV00-25), NIEHS, PO Box 12233, (MD-EC-11), RTP, NC 27709 by January 5, 2001. You may call Carolyn London at 919-541-7513 for more information.

NIH IS AN EQUAL OPPORTUNITY EMPLOYER

POSITIONS OPEN

ASSISTANT PROFESSOR, MAMMALOLOGY

Fisheries and Wildlife at the University of Missouri is seeking a tenure-track faculty member with proven skills in both carnivore ecology/management and conservation biology. Primary responsibilities are in research and teaching. We expect the candidate to develop a national/internationally recognized, externally funded research program that includes graduate students. The candidate will teach mammalogy and conservation biology to undergraduates and a graduate course related to their expertise (two or three courses per year). This individual will represent the Department in the campus-level "Tigers for Tigers" effort ([website: www.missouri.edu/~tigers](http://www.missouri.edu/~tigers)). Send a résumé, transcripts, descriptions of research interests and teaching philosophy, and three letters of reference by 15 February 2001 to: **Dr. Jack Jones, Chair, Department of Fisheries and Wildlife Sciences, 302 Anheuser Busch Natural Resources Building, University of Missouri, Columbia, MO 65211. Telephone: 573-882-3543; e-mail: JonesJ@missouri.edu.** The faculty and staff of the School of Natural Resources are committed to cultural diversity and nondiscrimination toward all people with regard to race, color, religion, national and ethnic origin, ancestry, gender, age, disability, marital status, veteran status, and sexual orientation. University of Missouri is an Equal Opportunity/Affirmative Action Employer. To request ADA accommodations, please contact our ADA Coordinator at Telephone: 573-884-7278; e-mail: adaawww@showme.missouri.edu.

NATIONAL CANCER INSTITUTE/ TENURE-TRACK PRINCIPAL INVESTIGATOR

Chemical Carcinogenesis With a Focus on DNA Damage and Repair

The incumbent will establish a new group to study the chemical and biological consequences of carcinogen damage to DNA. Adequate space and start-up funds will be provided to establish the laboratory. Candidates with a Ph.D. and/or M.D. degree should have demonstrated performance in either the areas of carcinogen-DNA damage and repair, mutagenicity of specific carcinogen-DNA adducts in selectively modified DNA templates, or the identification of polymerases responsible for the synthesis of DNA past carcinogen-modified bases. Applications should include curriculum vitae with bibliography, a statement of research goals, and copies of relevant publications sent to: **Lisa Virts, Executive Secretary, National Cancer Institute at Frederick, Building 578, Room 22, P.O. Box B, Frederick, MD 21702.** In addition, please have three letters of recommendation sent directly to the above address. Applications must be received no later than January 31, 2001. The National Cancer Institute is an Equal Opportunity Employer. Candidates must be U.S. citizens or permanent residents.

MIDDLEBURY COLLEGE ASSISTANT IN INSTRUCTION

The Department of Biology invites applications for a three-year term position (with possibility of renewal) beginning 1 September 2001 as an **ASSISTANT IN INSTRUCTION (AII)** for ecology. The primary responsibility is an introductory core course in ecology (BI190). The AII will be responsible for all aspects of the laboratory portion of the course including designing laboratories; ordering and preparing materials; and instruction, grading, and oversight of undergraduate teaching assistants. The AII will normally teach a maximum of four laboratory sections per week during each semester. A Ph.D. in ecology or related area preferred. Candidates should send a letter of application, a statement of laboratory teaching and practical experience, curriculum vitae, copies of all undergraduate and graduate transcripts, and three current letters of recommendation (from references under separate cover) to: **AII Search Committee, Department of Biology, Middlebury College, Middlebury, VT 05753.** Applications will be reviewed beginning February 23, 2001. Middlebury College is an Equal Opportunity Employer and encourages applications from women and members of minority groups.

POSITIONS OPEN

VETERINARY MICROBIOLOGY FACULTY UNIVERSITY OF PENNSYLVANIA

The Department of Pathobiology, Laboratory of Microbiology and Immunology, University of Pennsylvania School of Veterinary Medicine, invites applications for a **CLINICIAN EDUCATOR FACULTY POSITION** to supervise the Veterinary Microbiology Diagnostic Laboratory for Small Animals in Philadelphia. Academic rank and salary will be commensurate with experience and qualifications. We seek applicants interested in developing new areas of diagnostic microbiology for small animals, including molecular approaches. Candidates with a Ph.D., a D.V.M., or a combined Ph.D.-D.V.M. degree and experience in diagnostic microbiology are invited to apply. He/she is expected to interact with clinicians to deliver high-quality diagnostic services, to pursue scholarly activities, and to participate in the teaching program of the School. Collaborations with the Veterinary Microbiology Diagnostic Laboratory for Large Animals at New Bolton Center will be welcome. The School of Veterinary Medicine is located on the same campus as the School of Medicine and its Clinical Microbiology Laboratory. The Eastern Pennsylvania Branch of the American Society for Microbiology, which is centered in Philadelphia, is very active in organizing seminars and meetings related to clinical microbiology. Applicants should send curriculum vitae, a summary of research accomplishments, a description of future plans, and arrange to have three letters of reference sent to: **Chair, Clinical Microbiology Search Committee, University of Pennsylvania School of Veterinary Medicine, Philadelphia, PA 19104-6049 U.S.A. FAX: 215-898-7887.** Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR BIOLOGY/BIOCHEMISTRY Mount Saint Mary's College

Applications are invited for a tenure-track faculty position beginning August 2001 from recent Ph.Ds dedicated to quality undergraduate education at a Catholic liberal arts college. Area of specialization is open, but applicants must be able to teach biochemistry and other upper-level electives. A willingness to help develop an innovative interdisciplinary sequence of courses for nonmajors is also expected. Excellence in teaching and the ability to direct undergraduate research are essential. Please send a cover letter, a statement of teaching philosophy and research interests, curriculum vitae, undergraduate and graduate transcripts, and three letters of recommendation to: **Dr. David W. Bushman, Department of Science, Mt. St. Mary's College, Emmitsburg, MD 21727** by 5 January 2001. For additional information, e-mail: bushman@msmary.edu; website: www.msmary.edu. Equal Opportunity Employer.

PLANT BIOLOGY LEHMAN COLLEGE CITY UNIVERSITY OF NEW YORK

Tenure-track **ASSISTANT/ASSOCIATE PROFESSOR** of plant biology with research interests in functional genomics and biotechnology. Position effective September 1, 2001. Candidates must have a Ph.D., postdoctoral experience, strong publication record. Candidates will be expected to conduct an active research program including participation in the CUNY doctoral program and teach genetics at the undergraduate and graduate level. Send curriculum vitae and related materials to: **Dr. Thomas E. Jensen, Professor and Chairman, Department of Biological Sciences, Lehman College, CUNY, 250 Bedford Park Boulevard West, Bronx, NY 10468-1589.** Applications will be accepted until the position is filled. Interviews will begin after January 3, 2001. Complete job announcement at website: <http://www.lehman.cuny.edu> (see Job Opportunities). Affirmative Action/Equal Employment Opportunity/Americans With Disabilities Act/IRCA Employer.

POSITIONS OPEN

ASSOCIATE/ASSISTANT PROGRAM MANAGER, Antarctic Biology and Medicine Program, National Science Foundation (NSF). NSF's Office of Polar Programs is seeking applicants for the Associate/Assistant Program Manager, Antarctic Biology and Medicine Program. This position will be an Intergovernmental Personnel Act (IPA) mobility assignment. Duration will be one to two years and is expected to begin about May 2001. Reimbursement of salary and other related costs for IPAs are negotiated between NSF and the individual's institution. Responsibilities include proposal evaluation, project development, program planning, and related administrative duties. It is anticipated that approximately one month per year would be spent in science administration at a U.S. Antarctic research station. Applicants for Associate Program Manager must have a Ph.D. or equivalent experience in the field of biological, oceanography, or ecological science plus four years of experience beyond the Ph.D. Applicants for Assistant Program Manager must have a Ph.D. or M.S. plus two years of research experience or equivalent. Applicants must submit a letter of recommendation and curriculum vitae to: **NSF, Human Resources, 4201 Wilson Boulevard, Room 315, Arlington, VA 22230, Attention: Mr. Fred Pearson.** For technical information, call **Dr. Polly Penhale, Antarctic Biology and Medicine Program; Telephone: 703-292-8033.** Hearing-impaired individuals should call **TTD: 703-292-8044.** NSF is an Equal Opportunity Employer.

ONE-YEAR VISITING MICROBIOLOGIST

The Department of Biological Sciences at the University of Nevada, Las Vegas (UNLV), invites applications for a one-year Visiting Microbiologist. This is an excellent opportunity for a sabbatical leave or postdoctoral experience that includes teaching responsibilities. The Department has one Microbial Ecologist and is searching for a second Microbial Ecologist who will join the faculty in fall 2001. Both teaching and research opportunities exist in this position. Teaching duties include sharing general microbiology, an upper-division course, and a graduate course in a specialty. Candidates must have a Ph.D. in microbiology or a related discipline.

Please send curriculum vitae, statement of research and teaching interests, and three letters of recommendation to: **Dr. Penny S. Amy, Visiting Microbiologist Search Committee, UNLV, Department of Biological Sciences, 4505 Maryland Parkway, Box 454004, Las Vegas, NV 89154-4004.** For more information on UNLV and the Department of Biological Sciences, please see our website: <http://www.unlv.edu>. Review of applications will begin after January 8, 2001, and continue until the position is filled. This position is contingent upon funding and the salary is commensurate with qualifications and experience. UNLV is an Affirmative Action/Equal Opportunity Employer. Persons are selected on the basis of ability without regard to race, color, sex, age, national origin, sexual orientation, religion, disability, or veteran status.

CURATORSHIP: Louisiana State University Museum of Natural Science. Applicants are sought for an anticipated **TENURE-TRACK POSITION** (Assistant Curator) in the area of vertebrate biology, archaeology, or paleontology. Candidates must hold a Ph.D. (or equivalent) in a field related to above areas of research. The appointment will be cross-linked with an appropriate academic department where the incumbent will teach one course per year and direct graduate students. Curatorial experience required. Visit website: www.museum.lsu.edu/curatorship.html for more information. Review of applications will begin January 2, 2001, and the position will begin after July 1, 2001. Submit curriculum vitae, statement of research and teaching interests, and have three letters of reference sent to: **Search Committee, Museum of Natural Science, Louisiana State University, Baton Rouge, LA 70803.** LSU is an Equal Opportunity/Affirmative Action Employer.

Distinguished Fellowships in Neurobiology

The Neurosciences Research Foundation announces a program of Distinguished Fellowships supporting fundamental research in neurobiology. The Fellowships will provide up to \$150,000 per year for a term of three years to cover full salary, benefits and research support at the level of Associate Fellow, equivalent to the academic ranks of Assistant or Associate Professor. Applications will be considered of candidates working in any of a number of fields, including molecular and developmental neurobiology, systems neuroscience, and theoretical and computational neuroscience. Fellows receiving awards will be strongly encouraged to collaborate and span multiple fields. At the completion of the term, Fellowships will be eligible for renewal.

Chosen Fellows will be accorded laboratory space and facilities at no further cost in The Neurosciences Institute (NSI), an independent, non-profit research organization in La Jolla, California. The NSI is dedicated to theoretical and experimental research on the biological bases of brain function. Its prize-winning architectural complex serves as the home of the Neurosciences Research Program, an internationally renowned academy dedicated to brain research. The NSI is located within a growing community of biomedical and neurobiological research organizations in the greater San Diego area.

Interested candidates should send a curriculum vitae, a letter describing a proposed research program, and the names of three references to **Fellowship Committee, Neurosciences Research Foundation, 10640 John Jay Hopkins Drive, San Diego, California 92121** or via e-mail to **Fellowships@nsi.edu**.

Research Biochemist

Discover Merck.

Employment opportunities in NJ

Merck Research Laboratories, a world leader in Biological and Pharmaceutical Research, attracts scientists who are on the cutting edge of modern biomedical, genetic, chemical, and scientific discoveries and have an unwavering dedication to research. We are currently seeking a Research Biochemist for our **Rahway, NJ** location.

Research Biochemist

As part of the Department of Basic Chemistry, the Proteomics Research Laboratory is seeking a candidate that will be involved in developing mass spectrometry methodology in support of proteomic research. Candidate's responsibilities will include the development of novel separation techniques that will be coupled with microspray LC-MS. The candidate will be required to present research developments at group meetings and will be encouraged to publish original scientific manuscripts.

To qualify, you must possess a BS or MS, or the equivalent, in Analytical Chemistry or Biochemistry and a minimum of two years of experience in protein mass spectrometry. The candidate should have extensive experience in micro-capillary liquid chromatographic techniques. It is necessary that this individual have good communication skills and the ability to develop ideas and methodology independently.

We offer an excellent salary and comprehensive benefits program, including tuition reimbursement and one of the best 401(k) plans in the nation, as well as opportunities for personal growth. Please submit your resume and a cover letter indicating salary requirements to: **Merck Positions, PAF Code: XHXMRSMP12010, P.O. Box 92164, Los Angeles, CA 90009-2164. E-mail: merck@resume.isearch.com Fax: (310) 337-3393.** Only candidates considered for interviews will receive responses. No phone or agency calls please. We are an Equal Opportunity Employer, M/F/D/V.



Visit our website at www.merck.com



**ROBERT C. BYRD
HEALTH SCIENCES CENTER**
OF WEST VIRGINIA UNIVERSITY

TENURE-TRACK FACULTY POSITION STEM CELL AND GENE THERAPY

A tenure-track faculty position is immediately available at the Assistant or Associate Professor level for an individual with expertise in either gene therapy or cellular therapy of neurological disorders, especially as they relate to any of the sensory systems. Qualified investigators will possess a Doctoral degree with post-doctoral research experience and are expected to develop a vigorous, independent research program with extramural funding.

Generous salary and a \$500K start-up package are available, supported in part through a grant from the Howard Hughes Medical Institute. The successful applicant will be joining the collaborative, multi-disciplinary **Sensory Neuroscience Research Center** (www.hsc.wvu.edu/snrc), which was recently designated an NIH Center of Biomedical Research Excellence. The position includes a joint appointment in the newly formed **Blanchette Rockefeller Neuroscience Institute** (www.brni.org).

Send curriculum vitae, statement of research interest and plans, reprints, and three letters of recommendation to: **Peter Mathers, Ph.D., Search Committee Chair, Sensory Neuroscience Research Center, P.O. Box 9303 HSC, West Virginia Univ. School of Medicine, Morgantown, WV 26506-9303.** Review of completed applications will begin on Jan. 31, 2001. Applications from minorities and women are encouraged.

West Virginia University is an Equal Opportunity Affirmative Action Employer



**ROBERT C. BYRD
HEALTH SCIENCES CENTER**
OF WEST VIRGINIA UNIVERSITY

EIGHT POSTDOCTORAL FELLOWSHIPS SENSORY NEUROSCIENCE RESEARCH CENTER

The newly formed **Sensory Neuroscience Research Center** (SNRC: www.hsc.wvu.edu/snrc) announces multidisciplinary postdoctoral training opportunities. The SNRC was recently designated an NIH Center for Biomedical Research Excellence. Collective expertise of SNRC faculty extends from molecular to systems approaches to study of multiple sensory systems:

Aric Agmon, Ph.D. Development of thalamocortical and inhibitory connections in the somatosensory system.

Albert Berrebi, Ph.D. Structural dynamics of developing auditory circuits.

Janet Cyr, Ph.D. Molecular machinery of mechanoelectric transduction by auditory and vestibular hair cells.

Peter Mathers, Ph.D. (2 positions) 1) Molecular control of tonotopy in the auditory system. 2) Molecular genetics of retinal organogenesis.

Janine Mendola, Ph.D. fMRI of children and adults with amblyopia and object representation in normal visual cortex.

George Spirou, Ph.D. (2 positions) 1) Ionic currents in synaptogenesis in the auditory system. 2) Sound localization by the auditory system.

The SNRC offers collaborative opportunities to learn diverse experimental techniques, including *in vitro* fluorescence imaging and fMRI. Fellows are offered competitive salaries and attendance at one workshop per year for additional training. Please contact any of the SNRC faculty, or the Director, George Spirou, at: **Sensory Neuroscience Research Center, School of Medicine, P.O. Box 9303, West Virginia University HSC, Morgantown, WV 26506-9303.**

West Virginia University is an Equal Opportunity Affirmative Action Employer



**The Donald Danforth Plant Science Center
In St. Louis, Missouri Announces
Opportunities for
Faculty Positions in Plant Biology**

DONALD DANFORTH
PLANT SCIENCE CENTER

The Donald Danforth Plant Science Center announces positions for faculty at the Full, Associate and Assistant Member levels to direct fundamental research programs. We seek scientists with broad interests and training in at least two scientific disciplines and well-formed research programs that will benefit from interactions with scientists of other disciplines. Demonstration of prior or current support, and of interdisciplinary research will be beneficial. Up to 10 faculty appointments will be made in the areas that include molecular physiology, biochemistry, phytochemistry/neutraceuticals, genetics, cell biology, gene regulation, root-soil interactions, molecular plant pathology, and abiotic stress biology. Successful candidates are expected to develop collaborative research programs within the Danforth Center and/or with scientists at partner institutions.

Please send your resume, brief description of research interests, reprints of three key publications, and names of three potential references. Applications will be received until positions are filled. Visit our website, www.danforthcenter.org for a description of the Danforth Center, including mission statement, current faculty, and partnering institutions.

Send resumes to: **Ms. Billie Broeker, Human Resources, Donald Danforth Plant Science Center, 7425 Forsyth Blvd., Campus Box 1098, St. Louis, Missouri 63105**

The Donald Danforth Plant Science Center is an equal opportunity/affirmative action employer and encourages applications from underrepresented groups, including minorities, women and people with disabilities.



HARVARD UNIVERSITY

DEPARTMENT OF EARTH & PLANETARY SCIENCES

The Department of Earth & Planetary Sciences at Harvard University seeks to fill two or more faculty positions at the Assistant or Associate Professor level (untenured). Candidates from all fields of earth sciences including atmospheric sciences, oceanography, geobiology, geochemistry, geophysics, geology, and planetary sciences are encouraged to apply.

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

**Professor Jeremy Bloxham, Chair
Department of Earth & Planetary Sciences
Harvard University
20 Oxford Street
Cambridge, MA 02138 USA**

We will begin reviewing applications on December 1st. We particularly encourage applications from women and minorities. Harvard University is an Affirmative Action/Equal Opportunity Employer. For more information about the department, you may visit our web site at www.eps.harvard.edu.

Faculty Position

**Department of Molecular and Structural Biochemistry
North Carolina State University**

The Molecular and Structural Biochemistry Department at North Carolina State University invites applications for a tenure-track faculty position at the Assistant Professor level. The Department is in the College of Agriculture and Life Sciences, is affiliated with the College of Physical and Mathematical Sciences, and has interactions with many scientists in the Research Triangle area. The new position will complement existing areas of excellence in nucleic acid and protein structure/function, including regulation of gene expression, in diverse systems and will bridge life science and physical science disciplines across the two Colleges. Although preference will be given to candidates with research programs utilizing biochemical and physical approaches to study macromolecular interactions, chromatin structure, enzyme catalysis, or cellular/organelle systems, individuals with strong research programs in other areas of biochemistry are encouraged to apply. Qualified applicants should provide curriculum vitae, a research statement, and a description of teaching interests. Three reference letters should be sent directly. The review process will begin December 1, 2000, and continue until the position is filled. Application material should be addressed to:

**Dr. Cynthia Hemenway, Chair, Faculty Search Committee
Department of Molecular and Structural Biochemistry
Box 7622, 128 Polk Hall
North Carolina State University
Raleigh, NC 27695-7622
<http://biochem.ncsu.edu>**

NC State University is an equal opportunity and affirmative action employer. Individuals with disabilities desiring accommodations in the application process should contact Dr. Cynthia Hemenway (919-515-5719; cindy@bchserver.bch.ncsu.edu) or Dr. Dennis Brown (919-515-5802; dbrown@bchserver.bch.ncsu.edu).



DONALD DANFORTH
PLANT SCIENCE CENTER

**The Donald Danforth Plant Science
Center In St. Louis, Missouri
Announces
A Position for Analytical
Biochemist/Mass
Spectroscopist**

The Donald Danforth Plant Science Center is soliciting applications for a Ph.D. level scientist to manage a small staff in a multi-dimensional facility with responsibility for separation and analysis of proteins, peptides and small molecules. The successful candidate will maintain a modest research program. Previous experience in plant biology not required, but future participation essential. Emphasis is placed on interdisciplinary research and willingness to tackle cutting edge problems. Visit our website, www.danforthcenter.org for a description of the Danforth Center, mission statement, current faculty, etc.

Please send your current curriculum vitae and four letters of reference to:

**Ms. Billie Broeker
Human Resources
Donald Danforth Plant Science Center
7425 Forsyth Boulevard
Campus Box 1098, St. Louis, Missouri 63105**

The Donald Danforth Plant Science Center is an equal opportunity/affirmative action employer and encourages applications from underrepresented groups, including minorities, women and people with disabilities.

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

The National Research Council announces opportunities for Postdoctoral Research in the **NASA Astrobiology Institute**

Postdoctoral research awards will be offered in the field of astrobiology at the NASA Astrobiology Institute. NASA has formed this new Institute to study the origin, distribution, evolution, and future of life on Earth and in the universe. Awards will be offered for multidisciplinary research in biology, genetics, chemistry, geology, planetary and space science, astronomy, paleontology, and other astrobiology-related areas. The awards will be for one year, possibly renewable, through the following lead institutions or their collaborators:

NASA Ames Research Center
NASA Johnson Space Center
NASA Jet Propulsion Laboratory
Arizona State University
University of California, Los Angeles
University of Colorado, Boulder
Harvard University
Pennsylvania State University
Carnegie Institution of Washington
Marine Biological Laboratory
Scripps Research Institute

- Stipend begins at \$45,000 per year;
- Application deadline is January 15 •
- For additional information and application materials, contact:

Dr. Robert Manka, Associate Director, or
Ms. Sally Lytch, Program Coordinator
Associateship Programs (TJ 2114/NAI)
NATIONAL RESEARCH COUNCIL
2101 Constitution Ave NW
Washington, DC 20418
E-mail: astrobio@nas.edu
Internet: <http://national-academies.org/rap>
Tel: (202) 334-2760
Fax: (202) 334-2759

Dr. Baruch S. Blumberg, Director, or
Ms. Catherine Tsairides, Education Coord.
NASA Astrobiology Institute
MS 240-1
NASA Ames Research Center
Moffett Field, CA 94035-1000
E-mail: ctsairides@mail.arc.nasa.gov
Internet: <http://nai.arc.nasa.gov>
Tel: (650) 604-0809
Fax: (650) 604-4251

Qualified applicants will be reviewed without regard to race, creed, color, age, sex or national origin.

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

National Research Council Summer Faculty Fellowships at the **Air Force Research Laboratory**

- ♦ 25 to 100 Fellowships ♦ generous stipend ♦
- ♦ daily expense allowance where applicable ♦
- ♦ 8-14 continuous weeks between April 1 and September 30 ♦

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

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

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

www.national-academies.org/rap

If assistance is needed, contact:

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

E-mail: rap@nas.edu

Tel: 202-334-2760

Fax: 202-334-2759

TENURE-TRACK FACULTY POSITIONS IN NEUROSCIENCE (Search Extended)

Bowdoin College, a highly select liberal arts college 2 hours north of Boston on the coast of Maine, is expanding and developing its Neuroscience Program. To that end, we are seeking to fill 2 entry-level, tenure-track positions, starting Fall 2001. The successful candidates will have an opportunity to contribute to the development of the Neuroscience Program. Faculty at Bowdoin College are supported in and expected to demonstrate excellence in both teaching and research. Our high quality undergraduates often participate in publication-quality research with faculty, and appear as co-authors on publications. We expect the successful candidates to develop research programs that will enable such research participation, for which start-up funds are available. For further information about the college, the departments, and the program, please see our website: www.bowdoin.edu

MOLECULAR NEUROSCIENTIST

The Bowdoin College Biology Department and Neuroscience Program seek to fill a tenure-track position in Molecular Neuroscience at the Assistant Professor level beginning Fall 2001. The molecular neuroscience position involves a joint appointment in biology and the interdisciplinary neuroscience program. Teaching responsibilities will normally be 3 courses, at least some of which will have labs, each year, including a lower level course that covers material at both the cell/molecular and organismal levels of organization and an upper level course in the candidate's area of specialization. Postdoctoral experience preferred. Review of applications will begin December 15, 2000. Please send a CV, a letter of intent which includes a description of research interests and teaching philosophy, and have three letters of reference sent directly to: **Patsy Dickinson, Chair, Biology Department, Neuroscience Search, 6500 College Station, Bowdoin College, Brunswick, ME 04011-8465.**

COGNITIVE NEUROSCIENTIST

The Bowdoin College Department of Psychology and Neuroscience Program seek applications for an entry-level, tenure-track position in Cognitive Neuroscience beginning Fall 2001. Responsibilities include maintaining an active research program that involves undergraduate students and teaching four courses per year. Courses include (1) Introductory Psychology and Statistics (alternating years), (2) a survey course in Cognitive Neuroscience, (3) a laboratory course in the candidate's field of specialization, and (4) an advanced seminar course in the candidate's field of specialization. To apply, send a cover letter, vita, evidence of excellence in both teaching and research, and at least three letters of reference to **Louisa M. Slowiaczek, Chair, Department of Psychology, Bowdoin College, 6900 College Station, Brunswick, ME 04011-8469.** Review of applications will begin December 15, 2000.

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

POSITIONS OPEN

TWO TENURE-TRACK ASSISTANT PROFESSOR POSITIONS IN THE AREA OF CELL BIOLOGY

The Department of Biological Sciences at the University of Nevada, Las Vegas ([website: http://www.unlv.edu/Colleges/Sciences/Biology/](http://www.unlv.edu/Colleges/Sciences/Biology/)), is searching for two tenure-track faculty members at the Assistant Professor level. Outstanding candidates with research interests in the field of cell biology that complement our existing strengths are encouraged to apply. We have special interests in candidates with research plans in eukaryotic developmental biology (molecular or biochemical emphasis) or cell physiology (cellular responses to stress or cell signaling). The successful applicants will be involved in teaching both undergraduate- and graduate-level courses with introductory biology as a primary responsibility. The successful candidates also will be expected to develop an independent research program that will attract extramural funding and provide research training for graduate and undergraduate students. A Ph.D. in the biological sciences or a related field and postdoctoral experience are required. The Department of Biological Sciences has a diverse faculty of 22 individuals actively engaged in research projects that span the breadth of the life sciences and offers B.S., M.S., and Ph.D. degrees. The new positions include competitive salaries, start-up packages, and laboratory facilities. Applicants should provide curriculum vitae, a letter describing research interests and teaching philosophy, and arrange for three letters of reference to be sent to: **Dr. Carl L. Reiber, Chair, Cell Search Committee, Department of Biological Sciences, University of Nevada, Las Vegas, 4505 Maryland Parkway, Box 454004, Las Vegas, NV 89154-4004. E-mail: reiber@ccmail.unlv.edu.** Positions are contingent upon funding. Salary is commensurate with qualifications and experience. For more information, see the UNLV [website: http://www.unlv.edu](http://www.unlv.edu). Review of completed applications will begin January 15, 2001, and continue until the position is filled. UNLV is an Equal Opportunity/Affirmative Action Employer. Persons are selected on the basis of ability without regard to race, color, sex, age, national origin, sexual orientation, religion, disability, or veteran status.

BIOTECHNOLOGIST/MOLECULAR BIOLOGIST

East Stroudsburg University of Pennsylvania

The Department of Biological Sciences seeks a full-time tenure-track Biotechnologist/Molecular Biologist at the ASSISTANT or ASSOCIATE PROFESSOR level beginning fall 2001. Requirements: Ph.D. in biological sciences, a strong commitment to undergraduate teaching, and expertise in both molecular techniques and biotechnology concepts. Final determination will be based upon successful interview, which may include a teaching demonstration. Experience in biotechnology applications along with teaching experience in biological sciences is preferred. This individual may be asked to teach introduction to biotechnology, introduction to molecular biotechnology, applied microbiology, introductory biology, and also anatomy and physiology laboratories. Applicants should submit curriculum vitae, transcripts, and three letters of reference to: **Jane E. Huffman, Search and Screen Committee Chair, Department of Biological Sciences, East Stroudsburg University, East Stroudsburg, PA 18301.** Deadline for receipt of the application is January 10, 2001. Visit our [website: www.esu.edu](http://www.esu.edu). ESU is an Equal Opportunity Employer. Minorities and women are strongly encouraged to apply.

Three POSTDOCTORAL POSITIONS available to study (1) the molecular basis of pathogenesis of *Candida albicans* and (2) novel antifungal drug targets. Experience in gene expression analysis, molecular cloning, and/or biochemical assay development is desired. Send curriculum vitae or contact: **Drs. Ron Ciblar/Joy Sturtevant, Department of Microbiology and Immunology, Georgetown University Medical School, Washington, DC 20007. E-mail: ciblar@gunet.georgetown.edu or sturtevj@georgetown.edu.**

POSITIONS OPEN

ASSISTANT PROFESSOR, Center for Genomic Sciences, (CGS) at Allegheny General Hospital, a teaching hospital of MCP-Hahnemann School of Medicine. CGS is a multidisciplinary research unit jointly directed by Scientists and Clinicians that focuses on the application of state-of-the-art technology to answer clinical problems. An opening currently exists for a Gene Expression Scientist to develop a program in the molecular biology of cancer metastases. The successful candidate should have completed postdoctoral training in one of the global comparative gene expression technologies and should have demonstrated the ability to develop and implement new technologies. It is expected that the successful candidate will have an outstanding publication record that demonstrates creative problem-solving skills and that he/she will develop a successful extramurally funded research program within three to four years. Additional projects within CGS include disease gene mapping and cloning, gene structural and mutational analyses, and studies on the heritability of infectious disease susceptibility. CGS has recently moved into 10,000 square feet of renovated laboratory space, which has been equipped with over \$2 million worth of instrumentation. Competitive salaries and an excellent working environment are two of the benefits you will receive; in addition, the Pittsburgh area has been repeatedly rated as one of the most desirable metropolitan areas in the United States. Send curriculum vitae and names of three references to: **Ms. Tawanda Littlejohn, Center for Genomic Sciences, Room 1030, South Tower, Allegheny General Hospital, 320 East North Avenue, Pittsburgh, PA 15212. E-mail: tlittlej@wpahs.org.**

TENURE-TRACK ASSISTANT PROFESSOR MOLECULAR TOXICOLOGY

The Department of Environmental and Molecular Toxicology at North Carolina State University invites applications for an Assistant Professor position in the area of molecular and cellular toxicology. Research areas of special interest include genetic susceptibility to environmental agents, cell signaling and carcinogenesis, and oxidative stress and regulation of the expression of and polymorphisms in biotransformation enzymes, although all mechanistic toxicology research areas will be considered. Applicants must have a Ph.D. and postdoctoral research experience. The successful candidate will develop and maintain a strong independent and extramurally funded research program and contribute to graduate student education/training. The Department will be moving into a new state-of-the-art facility in March 2001. Review of applications will begin on January 15, 2001. Applicants should submit curriculum vitae, statement of research goals and teaching philosophy, and names and addresses of three references to: **Robert C. Smart, Ph.D., Department of Environmental and Molecular Toxicology, North Carolina State University, Raleigh, NC 27695-7633. Website: www.cals.ncsu.edu/toxicology/index.htm.** North Carolina State is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

A Postdoctoral position is available for a highly motivated individual to study the structure and function of pre-mRNA splicing regulatory proteins. Our laboratory is investigating the mechanisms by which ST proteins function to control alternative splicing (see *RNA* 6:1197; *Current Biology* 9:R6; *EMBO* 17:6747; *Molecular Cell* 1:765). The successful applicant will have extensive experience in biochemistry and/or structural biology. Interested individuals should send curriculum vitae, a description of previous research experience, and contact information for three references to:

**Dr. Brenton R. Graveley
Department of Genetics
and Developmental Biology
University of Connecticut Health Center
263 Farmington Avenue, MC 3301
Farmington, CT 06030-3301
E-mail: graveley@neuron.uchc.edu**

POSITIONS OPEN

ASSISTANT PROFESSOR MICROBIAL ECOLOGY

The Department of Biological Sciences ([website: http://www.unlv.edu/colleges/sciences/biology](http://www.unlv.edu/colleges/sciences/biology)) invites applications from broadly trained Microbiologists whose research interests are in areas such as biogeochemistry, bioremediation, diversity, soil or aquatic microbial habitats, or symbiosis. Preference will be given to research topics that are mechanistic rather than descriptive. The successful candidate will be expected to develop a rigorous, externally funded research program that includes mentorship of M.S.- and Ph.D.-level graduate students. A competitive start-up package and modern laboratory space will be provided. Teaching responsibilities include a commitment to share responsibility for general microbiology and contribution to upper-division and graduate courses. Candidates must have a Ph.D. in microbiology or closely related field; postdoctoral experience is preferred. Salary is commensurate with qualifications and experience. For more information, see the University of Nevada, Las Vegas, [website: http://www.unlv.edu](http://www.unlv.edu).

Please send a letter of application, curriculum vitae, concise description of current and future research interests, teaching philosophy and interests, and arrange for three letters of reference to be sent to: **Dr. Penny S. Amy, Microbiology Search Committee Chair, Department of Biological Sciences, UNLV, 4505 Maryland Parkway, Box 454004, Las Vegas, NV 89154-4004.** Review of applications begins January 8, 2001, with the position remaining open until filled. Position is contingent upon funding.

UNLV is an Affirmative Action/Equal Opportunity Employer. Persons are selected on the basis of ability without regard to race, color, sex, age, national origin, sexual orientation, religion, disability, or veteran status.

POSTDOCTORAL/RESEARCH ASSOCIATE POSITION: One position available to investigate the molecular biology of mitochondrial DNA in mammalian oocytes and embryos. Studies involve looking at mitochondrial DNA mutations, quantification of mtDNA copy numbers, DNA replication mechanisms, and nuclear-mitochondrial communication. Research experience in all aspects of molecular biology, mitochondrial biology, and embryo manipulation preferred. Applicants with an M.S. or Ph.D. and ample experience and independence will be considered. Send curriculum vitae and the names of three references to: **Dr. Carol Brenner, Institute for Reproductive Medicine and Science of Saint Barnabas, Gamete and Embryo Laboratory, 101 Old Short Hills Road, West Orange, NJ 07052. E-mail: carol.brenner@embryos.net.** Saint Barnabas Medical Center is an Equal Opportunity/Affirmative Action Employer.

THEORETICAL BIOLOGY YALE UNIVERSITY

The Department of Ecology and Evolutionary Biology at Yale University invites applications for a **TENURED FACULTY POSITION** in the field of theoretical biology, with special emphasis in systematic theory and molecular computational biology. Applications, which should include a curriculum vitae; research and teaching statements; three representative recent publications; and the names, addresses, telephone numbers, and e-mail addresses of four references, may be sent to: **Theoretical Biology Search, c/o Fran Oliver, Department of Ecology and Evolutionary Biology, Yale University, Box 208106, New Haven, CT 06520-8106 U.S.A.** The deadline is December 22, 2000.

Yale University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available immediately for biophysical studies of adhesion/signaling molecules (FcγR, TCR, integrin, selectins) on the cell surface. Salary depends on qualifications. Send curriculum vitae and list of three references to: **Dr. Cheng Zhu, Institute of Bioengineering/Bioscience, Georgia Tech, Atlanta, GA 30332-0363.** Georgia Tech is an Equal Education/Employment Opportunity Institution.

Staff Scientists

We have openings for 2 staff scientists at our Corporate Office in Dallas. Selected individuals



will work with the nation's leading cardiovascular and stroke scientists in the development of our science policy, supporting the reduction of death and disability from heart disease and stroke. The successful candidates will identify emerging scientific issues, provide scientific expertise to scientific groups and negotiate consensus among science volunteers on related issues. Other duties include interpreting our science policy to outside health organizations, assisting in policy formulation as well as determining the scientific accuracy of our educational and media materials and assisting in their revision.

Qualified candidates will have a PhD or MD or equivalent degree and familiarity with cardiovascular medicine. Research experience in cardiac and/or vascular pathophysiology and knowledge of clinical management of cardiovascular or stroke diseases are desired. Candidates should also be familiar with research methodologies and interpretation of data as well as biostatistical methods. Expertise in stroke science is needed in one of the positions.

We offer a competitive salary and comprehensive benefits package. For consideration, please send resume by December 15th to: **American Heart Association, HR Dept.-E570, 7272 Greenville Ave., Dallas, TX 75231; fax to: (214) 706-1191 or email: aharesume@heart.org.** You may visit our home page at www.americanheart.org. EOE, M/F/V/D



UNIVERSITY OF VIRGINIA DEAN OF THE COLLEGE AND GRADUATE SCHOOL OF ARTS AND SCIENCES

The University of Virginia seeks a Dean for its College and Graduate School of Arts and Sciences. The College and Graduate School include some 26 departments in the arts, humanities, sciences, and social sciences. The dean reports to the University's provost.

The qualities desired in the dean include scholarly prominence in a relevant academic discipline, success in progressively more responsible levels of academic leadership, and the capacity to lead a diverse faculty and student body. The dean will also be expected to collaborate with the deans of the University's other schools in promoting the University's general well being and to direct programmatic and financial planning for the College and the Graduate School. Duties include leading and serving the College's faculty and students in their academic pursuits; maintaining effective working relationships with alumni (particularly with the trustees of the newly-formed College Foundation); cultivating effective leadership in the academic departments; sustaining the College's traditional disciplinary core; developing interdisciplinary collaborations and curricular innovations in key areas such as international studies; integrating of digital technologies into programs of scholarship and instruction; fostering public service; and allocating resources fairly and strategically.

The committee will seek credentials sufficient to support appointment to a senior, tenured professorship in a College department. It seeks evidence of dedication, flexibility, and the capacity to raise private funds to bridge the gap between available central or state resources and the costs of the enterprise. The new dean must demonstrate a serious commitment to the promotion of equity in all aspects of the work of the University, particularly in the hiring and retaining of persons from under-represented minority groups.

The initial appointment is for a five-year term beginning prior to the 2001-2002 academic year. Review of applications and nominations will begin on January 5, 2001, and continue until the position is filled. Applications and nominations should include a statement or third-party assessment of interest as well as a summary of the candidate's qualifications for the position, a current resume or curriculum vitae, and the names of five references with current addresses, phone and FAX numbers, and e-mail addresses. These materials, which will be held in strict confidence, should be sent to:

Gene D. Block, Ph.D., Chair
Dean's Search Committee
University of Virginia
P. O. Box 400226
Charlottesville, VA 22904-4226

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



The Forsyth Institute

VICE PRESIDENT FOR CLINICAL RESEARCH

The Forsyth Institute seeks a high profile, forward-thinking clinical scientist with a track record of achievement in studies of oral and craniofacial diseases and related disorders, for the position of Vice President for Clinical Research.

Candidates must have a D.D.S., M.D. or equivalent degree, and post-graduate training in relevant clinical or basic science areas. Excellent communication skills, a breadth of research knowledge, and a track record in technology transfer are required.

The successful candidate will conduct high quality research (half time); develop innovative new programs in clinical investigation in all research areas; establish connections between advances in genetics, bioinformatics and bioengineering, and applications to human oral and systemic health; participate in recruitment; provide leadership for clinical training programs; and establish corporate, academic, and community collaborations.

Send letter of application, curriculum vitae and the names of three references to:

Dr. Martin Taubman, Chair
Search Committee, Vice President for Clinical Research
The Forsyth Institute
140 The Fenway
Boston, MA 02115
mtaubman@forsyth.org

The Forsyth Institute is an Equal Opportunity/Affirmative Action Employer; women, minorities and persons with disabilities are encouraged to apply.

Senior Fellow in Bioinformatics

The National Center for Infectious Diseases,
Centers for Disease Control and Prevention, Atlanta, GA,

invites applications for a position in its Biotechnology Core Facility's Computational Molecular Biology laboratory. The incumbent will collaborate closely with molecular biologists, and take responsibility for computational aspects of genomic sequencing projects: gene discovery, annotation, phylogenetic analysis, and the creation of web-based, curated databases of sequence and other data relating to specific pathogen families.

Candidates must meet the basic qualifications for the GS13 level of the federal civil service, and have a doctorate degree in a biological or computer science with significant experience in computational molecular biology, good communication skills, and a record of publications. Annual salary in the range \$60,000 to \$92,300 depends on qualifications.

Applicants should send curriculum vitae by December 15 to:

Benita Minor
CDC / HRMO
1600 Clifton Road
Mailstop C-19
Atlanta, GA 30333
email: bminor@cdc.gov

CDC is an equal opportunity employer and has a smoke-free environment.

POSITIONS OPEN

CELLULAR BIOLOGY AT MIDDLEBURY COLLEGE

The Department of Biology invites applications for an entry-level, three-year term appointment in cell biology beginning fall 2001. Applicants should have a Ph.D. in the area (preferably with research interests in cell signaling) and a demonstrated commitment to excellence in both teaching and research. The successful applicant will offer an introductory laboratory course in cellular and molecular biology; an advanced laboratory course in cell biology, developmental biology, or immunology; and a seminar course for either the general college curriculum or for majors in an area of choice. Appointment will be made at the rank of **VISITING ASSISTANT PROFESSOR**. Applications including curriculum vitae, statements of teaching and research interests, undergraduate and graduate transcripts, samples of scholarly work, and at least three current letters of recommendation that address both teaching and research ability should be sent to: **Christopher Watters, CB Search Committee, Department of Biology, Middlebury College, Middlebury, VT 05753**. See website: www.middlebury.edu/~bio/cellbiol.html or e-mail: watters@middlebury.edu for more details about the position. Review of completed applications will begin 15 January 2001. *Middlebury College is an Equal Opportunity Employer and it encourages applications from women and members of minority groups.*

ENDOWED CHAIR IN MOLECULAR THERAPEUTICS OF CANCER

Tulane Cancer Center and Tulane University Department of Pharmacology seek a distinguished Scientist as the inaugural appointee to The Joe W. and Dorothy Dorsett Brown Foundation Chair. This exceptionally generous endowed **PROFESSORSHIP** represents a new institutional commitment to the Cancer Center of Excellence at Tulane. Resources committed to the Chair include recently constructed research space, access to extensive core equipment and facilities, and an additional tenure-track faculty line to be recruited by the successful candidate to increase the programmatic focus in molecular pharmacology of cancer. Close interaction with Centers of Excellence in Gene Therapy, Infectious Diseases, Primate Research, and Bioenvironmental Research provide opportunities for exciting collaborations and research program expansion. The Tulane Cancer Center is committed to translational research using the funded GCRC, its Office of Clinical Research, and its Gulf Coast Clinical Research Network. Interested candidates are encouraged to send their curriculum vitae and a letter including the names of three references to: **Roy S. Weiner, M.D., Director, Tulane Cancer Center, 1430 Tulane Avenue, New Orleans, LA 70112**. E-mail: rweiner@tulane.edu. The position will remain open until filled by a qualified candidate. *Affirmative Action/Equal Opportunity Employer.*

DIRECTOR OF RADIOLOGICAL RESEARCH:

A University of California, Davis, faculty position is available in the Department of Radiology. Capabilities for leading a multidisciplinary research program that supports MR imaging-related neuroscience and body MR imaging are essential. A 1.5T research magnet is in place and a 3T research magnet has been approved. Development funds are available. Candidates must possess an M.D. or Ph.D. degree. Ph.D. or M.D. candidates should possess a record of successfully funded research and have a background in teaching and imaging-related research.

Please send curriculum vitae to: **James A. Brunberg, M.D., Chair, Department of Radiology, University of California, Davis, 4860 Y Street, ACC Building, Suite 3100, Sacramento, CA 95817**. This position will be open until filled, but applications will not be accepted after April 30, 2001. *The University of California, Davis, is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

IMMUNEX Creating the Future of Medicine™

A job where you can improve millions of lives, including your own.

PROTEIN/ANTIBODY ENGINEERING RESEARCH POSITIONS

Immunex is establishing a new Protein Engineering department devoted to the creation of engineered antibodies and other redesigned proteins for human therapy. The mutational analysis of proteins of therapeutic interest as well as the advent of novel molecular evolution technologies will facilitate this mission.

The Department of Protein Engineering invites pioneering individuals with an established track record of scientific achievement and expertise in one or more of the following areas to submit their credentials: antibody engineering, protein structure-function analysis, phage display and other molecular evolution technologies, BIAcore technology, *E. coli* expression of proteins, and molecular modeling.

Appointments will be made at the level of **STAFF SCIENTIST** or **ASSOCIATE STAFF SCIENTIST** depending upon prior research experience and accomplishments. Preference will be given to candidates who have a Ph.D. and/or M.D. degree, excellent communication skills, and a proven track record of scientific achievement in a team environment.

At Immunex, you will find the resources, support, and freedom to accomplish great science! In addition, you will enjoy an exceptional compensation and benefits package. Please submit a scannable résumé to: **Human Resources, Immunex Corporation, 51 University Street, Seattle, WA 98101**. E-mail: job-info@immunex.com. For more information, please visit website: www.immunex.com/careers. *Immunex is an Equal Opportunity Employer committed to diversity.*

RESEARCH POSITION BLOOD AND MARROW TRANSPLANTATION PROGRAM

The Department of Medicine, Section of Hematology/Oncology, at West Virginia University is seeking applications for a **SCIENTIST** to become part of an established blood and marrow transplantation program. The successful applicant will be expected to develop an independent, extramurally funded research program in an area relevant to blood and marrow transplantation and to participate actively in multiple opportunities that exist for collaborative research. Current areas of research interest in the program include hematopoiesis, cellular and immune therapeutics, and signal transduction. Multiple opportunities exist for participation in collaborative research. A competitive start-up package including laboratory space, equipment, and laboratory support will be provided. Appointment rank is open depending on qualifications of the candidate. A Ph.D., M.D., or M.D./Ph.D. degree is required. The Health Sciences Center at West Virginia University has a full complement of academic programs in the clinical and basic sciences and offers the advantage of a university setting in an area with reasonable cost of living, high quality of life, and easy access to abundant outdoor activities. The campus is approximately 70 miles south of Pittsburgh, Pennsylvania. The BMT program is NMDP-certified and serves as the referral center for West Virginia and the surrounding regions. Applications will be reviewed until the position is filled. Applicants should send a copy of their curriculum vitae, a letter addressing their qualifications and outlining their research goals, and a list of three individuals who can provide references to: **Solveig G. Ericson, M.D., Ph.D., Chair, BMT Scientist Search Committee, West Virginia University, Department of Medicine, P.O. Box 9162, Morgantown, WV 26506**. *West Virginia University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

POSITIONS OPEN

ASSISTANT PROFESSOR, evolutionary biology: The Department of Biological Sciences at San Jose State University invites applications for a tenure-track position in evolutionary biology at the Assistant Professor level. Applicants should possess a Ph.D. or equivalent degree and be familiar with modern molecular genetic and statistical techniques as well as possess the appropriate theoretical background in evolutionary biology. The successful candidate will have demonstrated expertise in genetic and statistical techniques, evolutionary biology, and conservation biology. The candidate shall also have a proven record or demonstrable potential of excellence in teaching, especially to a diverse and multicultural student body. Teaching duties will include upper-division and graduate courses in evolutionary (population) genetics and organismal biology as well as introductory majors and nonmajors courses (the latter being part of the general education program). Innovation in teaching is strongly encouraged. Research activity is expected and involves, in part, research involving Master's and undergraduate students. For full consideration, send a letter of application; curriculum vitae; university graduate transcripts; statement of teaching and research interests; and three letters of reference by January 20, 2001, to: **Evolutionary Biology Search Committee, Department of Biological Sciences, San Jose State University, One Washington Square, San Jose, CA 95192-0100**. FAX: 408-924-4840; Telephone: 408-924-4880. *SJSU is an Equal Opportunity/Affirmative Action Employer. Please refer to PVIN: SCI 01-046.*

PLANT DEVELOPMENTAL BIOLOGIST:

The Department of Biological Sciences invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level with a starting date of fall 2001. Final administrative approval for this position is pending. We are especially interested in candidates using cellular and molecular techniques to investigate effects of the interaction of genetics and the environment on development. Such research could encompass comparative phylogenetic, evolutionary, and/or ecological approaches. The successful candidate will be expected to pursue a vigorous, independent, externally funded research program and participate in the undergraduate and graduate teaching goals of the Department, including courses in the candidate's specialty. Applicants must have a Ph.D. or equivalent degree; postdoctoral experience will be advantageous. Applicants should submit curriculum vitae, statement of research and teaching interests, and three letters of recommendation by January 10, 2001, to: **Search Committee, Department of Biological Sciences, University of Cincinnati, Cincinnati, OH 45221-0006**. *The University of Cincinnati is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and persons with disabilities are encouraged to apply.*

MICROBIOLOGIST

The Biology Department of Loyola University Chicago invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level beginning August 2001. We are a large department that services nearly 1,000 undergraduate majors and 35 M.S. students. Candidates must have a Ph.D. and postdoctoral experience and will be expected to establish a vigorous, independent research program involving undergraduates and M.S. students. Teaching responsibilities include general microbiology, one of the Department's core offerings, or an advanced course in the candidate's area of specialization. Candidates should send their curriculum vitae, statements of research and teaching interests, and arrange for three letters of recommendation to be sent to: **Microbiologist Search Committee, Biology Department, Loyola University Chicago, 6525 North Sheridan Road, Chicago, IL 60626**. Applications will be reviewed beginning on December 22, 2000. To review our programs and research, visit the Department of Biology at website: <http://www.luc.edu/depts/biology/>. *Loyola University of Chicago is an Affirmative Action/Equal Opportunity Employer.*



Immunologist

The Laboratory of Tumor Immunology and Biology, Division of Basic Sciences, of the National Cancer Institute, National Institutes of Health, has an opening for an Expert position in tumor immunology. The Laboratory has an active translational research program in cancer vaccines and other novel immunotherapies for cancer. The Laboratory is seeking candidates with experience in the design, development, and use of novel serologic and/or cellular immunoassays to define immune responses to vaccines and other immunotherapeutics in both experimental models and in patients enrolled in collaborative clinical trials. A Ph.D. degree with 5 to 10 years of relevant research experience is desired.

Interested candidates may apply with a CV & bibliography by January 31, 2001 to:

**ARC 10B Personnel
9000 Rockville Pike
Bldg. 31/3A35
Bethesda, Maryland, 20892**

Questions and CVs may also be forwarded via email to: nci10bpersonnel@mail.nih.gov.

NIH is an Equal Opportunity Employer.



Hope Progress Awareness

Scientific Program Director

The American Cancer Society is seeking a Scientific Program Director to lead the Society's extramural research effort in the areas of genetic mechanisms of cancer and development and differentiation in cancer. The position is located at our National Home Office in Atlanta, Georgia and is within walking distance of Emory University and the Centers for Disease Control and Prevention.

The overall responsibility of this position is to assure unbiased, rigorous, peer review of grant applications. In addition, the Program Director will serve as an expert source of information on advances in cancer research and advise about promising future areas of investigation in his or her specific area of expertise. He/she will also play a major role in promoting the American Cancer Society's Research Program by communicating the achievements of the Program to professional and lay audiences.

Applicants must have a PhD, MD, or equivalent degree, and five years experience as an established investigator who is well-published in the peer reviewed literature. Excellent oral and written communication skills are essential. The position reports to the Vice President for Extramural Grants. Salary is competitive and commensurate with the candidate's qualifications and experience.

The position is available immediately. Please send your curriculum vitae, the names of three references, and an indication of salary requirements to: **John J. Stevens, MD, Vice President for Extramural Grants, American Cancer Society, Research Department, 1599 Clifton Road, NE, Atlanta, GA 30329-4251** (email: jstevens@cancer.org).

The American Cancer Society is an Equal Opportunity Employer

Assistant Professor Cancer Biology

Cold Spring Harbor Laboratory seeks outstanding applicants for a faculty position in Cancer Biology or related area, preferably at the Assistant Professor level. Areas of research interest for the position include, but are not limited to:

- Analysis of tumor initiation, progression or metastasis.
- Investigation of the cause, prevention or treatment of cancer in animal models.
- Biochemistry or genetics of DNA repair or cell cycle checkpoint control.
- Analysis of tumorigenesis using functional genomics.
- Molecular mechanisms of aging or senescence.
- Analysis of cancer-related pathways in model organisms.

Cold Spring Harbor Laboratory has a highly interactive environment with a very strong history of cancer research. Existing research at CSHL is listed on our [Web site: www.cshl.org](http://www.cshl.org). The Laboratory has recently developed a new technology center, which will contain state-of-the-art animal housing, a gene targeting facility, a microarray and genomics core and the CSHL genome sequencing center.

Applicants should submit a CV, summary of research accomplishments, a research proposal, and names of three references to: **Dr. Bruce Stillman, Director**

Cold Spring Harbor Laboratory



**1 Bungtown Road
Cold Spring Harbor, NY 11724**

Cold Spring Harbor Laboratory is an equal opportunity employer and encourages applications from women and minorities.

FACULTY POSITIONS

Department of Molecular and Human Genetics at Baylor College of Medicine

A senior faculty position with an endowed chair as well as two junior tenure-track faculty positions are available in the Department of Molecular and Human Genetics at Baylor College of Medicine. Each position comes with very generous start-up funds. As part of the Texas Medical Center, Baylor is a focal point for outstanding basic research and clinical science and actively encourages inter-institutional and cross-departmental collaborations. The Department and Baylor College of Medicine are also attractive because of our strong existing programs in genetics, a Genome Sequencing Center, a recently completed state-of-the-art mouse facility, and our collegial cross-species approach to genetics. We are seeking outstanding candidates in any area of genetics, including (but not limited to) population and quantitative approaches, developmental and behavioral issues, and study of disease in human, mouse or other model organisms.

Interested candidates should send their curriculum vitae, 2 preprints and reprints of significant work, a statement of present and future research activities, and arrange to have 3 letters of reference forwarded by January 15, 2001 to the address shown below. The initial pool of applicants will be reviewed for a January 15 receipt date, but the search will continue until all positions are filled.

**Hugo J. Bellen
Search Committee Chair
Department of Molecular and Human Genetics
Baylor College of Medicine
One Baylor Plaza, Mail Stop: BCM235
Houston, TX 77030**

Baylor College of Medicine is an Equal Opportunity Employer; minorities and women are encouraged to apply.

POSITIONS OPEN

TENURE-TRACK FACULTY POSITIONS CARDIOVASCULAR SCIENCE AND CELL SIGNALING

The Department of Pharmacology at the SUNY Upstate Medical University invites applications for three tenure-track faculty positions at the **ASSISTANT PROFESSOR** level. Candidates are expected to develop independent research programs and contribute to graduate and medical education. We seek two outstanding individuals studying fundamental problems in the cardiovascular field. These candidates are expected to join our newly established Institute for Cardiovascular Research. One of these candidates should have an outstanding record of achievement in the area of cellular electrophysiology with emphasis in cardiac fibrillation and defibrillation. Expertise in optical mapping approaches using voltage and calcium-sensitive dyes is essential. The second candidate should have a strong record of research in cardiac development, molecular cardiology, or vascular biology. Individuals with expertise in cell biology, molecular genetics, structural biology, or genomics/proteomics are encouraged to apply. The third candidate will be expected to study signal transduction/intracellular signaling in eukaryotic cells and complement existing strengths of the Department in these areas. Priority will be given to those individuals whose research involves molecular biology, single cell imaging, or genomics/proteomics.

For details of current Department research programs, see **website: <http://www.upstate.edu/pharm/>**. Requirements for all positions are a Ph.D. degree or equivalent, postdoctoral experience, and excellent record of research productivity. Salary, space, and start-up funds are competitive with national levels. Send applications including a statement of research interests and goals, curriculum vitae, and three letters of reference to: **José Jalife, M.D., Chair, Department of Pharmacology, SUNY Upstate Medical University, 750 East Adams Street, Syracuse, NY 13210**. Review of applications will start January 3, 2001. *An Affirmative Action/Equal Employment Opportunity/Americans With Disabilities Act Employer committed to excellence through diversity.*

RESEARCH SCIENTIST

The Department of Pharmacology at The University of Texas Health Science Center at San Antonio is recruiting two Research Scientists to investigate activity-dependent regulation of neural networks and voltage and ligand-gated ion channels in brain stem neurons involved in cardiorespiratory regulation. Specific areas of expertise desired include but are not limited to *in vivo* and/or *in vitro* electrophysiology, analyses of mRNA, and protein. Please contact: **Steve Mifflin, Ph.D., Department of Pharmacology; e-mail: mifflin@uthscsa.edu; Telephone: 210-567-4195** for information. This full-time position offers a competitive salary and an excellent benefits package. Please send résumé and three references to: **Office of Human Resources, UTHSCSA, 7703 Floyd Curl Drive, San Antonio, TX 78229-3900**. *Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION IN BIOMATHEMATICS

Postdoctoral position available at IMBM, the Institute for Medical BioMathematics, Bene Ataroth, Israel. Applicants must have Ph.D. and a European Community citizenship. The project is funded by the EC Fifth Framework Program, Research Training Network in Mathematical Modeling of Angiogenesis. The three-year position is available from January 2001. Please e-mail complete curriculum vitae to: **agur@imbm.org**. For more information, see **website: www.imbm.org; Telephone: 972-3-9733075**. Applications must be received by December 15, 2000.

POSITIONS OPEN



RESEARCH ASSOCIATE

The Electron Microscopy Center at Texas A&M University located in College Station, Texas, is seeking a technically skilled individual with a strong demonstrated background in high-resolution transmission electron microscopy and EDS of samples originating from academic and private research laboratories in geo/material sciences and chemistry. The successful candidate will show initiative, have an open mind towards new methodological approaches, and possess good communication and interpersonal skills. Requires Master's degree in geo/material sciences, chemistry, engineering, or related field or a Bachelor's degree in the same field of study with three years of research experience. Excellent benefits package. Starting salaries for positions may be negotiable based on qualifications and experience. Please refer to Job Number 010339 and send application to the address below:

**Electron Microscopy Center
Texas A&M University
2257 TAMU
College Station, TX 77843-2257
Telephone: 979-845-1164**

For more information, visit our **website: <http://www.tamu.edu/hrd/employment>**. *An Affirmative Action/Equal Opportunity Employer committed to diversity.*

NEUROSCIENTIST

Devers Eye Institute and Robert S. Dow Neurobiology Laboratories invite applications for an opening at the **ASSISTANT SCIENTIST** level with research groups studying retinal injury and the molecular mechanisms of apoptosis during brain ischemia. The laboratories have strong programs in receptor neurochemistry, ion channel physiology, caspase neurochemistry, and retinal physiology. Skilled Molecular Biologists are sought to expand ongoing projects in apoptosis and cell injury in a joint program between these CNS and ocular research laboratories, with a goal of future independent funding. Particular expertise in mitochondrial function or glial cell function is desirable. Complete cellular and molecular facilities are available in newly developed research space.

Interested applicants may submit curriculum vitae with a two-page research summary and three references to:

**G. A. Cioffi, M.D./Roger Simon, M.D.
Legacy Health System
Attention: Sue Swinford
P.O. Box 3950
Portland, OR 97208-3950**

Equal Opportunity Employer.

SENIOR RESEARCH SPECIALIST/ASSOCIATE POSITION available immediately in the Gene Therapy/Cancer Vaccine program at the University of Illinois at Chicago to develop and optimize transduction methods for clinical application. Applicants should possess an advanced degree in a relevant scientific discipline with at least three years of postdoctoral experience in two or more of the following areas: vector construction, viral and nonviral transduction methods, lymphohematopoietic cell culture and expansion, vaccine development, GMP-grade production methods, and process development for large-scale production and purification of biologics. Please forward curriculum vitae and names of three references to: **David Peace, M.D., Gene Therapy/Cancer Vaccine Program, Room 3164, Molecular Biology Research Building, M/C 734, University of Illinois at Chicago, 900 South Ashland Avenue, Chicago, IL 60607**. E-mail: **Dpeace@uic.edu**. For fullest consideration, submit by December 18, 2000. *The University of Illinois is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.*

POSITIONS OPEN

RESEARCH SCIENTIST PLANT BIOCHEMIST

The E&J Gallo Winery Research Department is seeking highly motivated candidates to fill a Research Scientist position in plant biochemistry. This is an opportunity for an enthusiastic Scientist to apply his/her talents to ongoing team research projects involving grapevine metabolism and physiology. The selected candidate will work on challenging projects in our Life Science research program. In this position, you would be responsible for conducting research toward elucidating principal biochemical/genetic components and processes linked with vine and fruit growth, differentiation, and maturation. The candidate's research project will be aligned with group research in gene discovery and expression analysis, mapping, and germ plasm assessment. Job activities will include constant interface with other company research programs tied with fruit and wine chemistry, viticulture, and winemaking.

The position requires a Ph.D. degree in plant biochemistry or related field. Prior knowledge of fruit crop physiology is highly desirable. Preference will be given to individuals with expertise in molecular biology, protein chemistry, and fruit metabolism. Qualified candidates please submit your résumés via one of the following methods:

**FAX: 801-881-9758
E-mail: jobs@ejgallo.com
Website: www.gallo.com
Air mail: P.O. Box 1130
Modesto, CA 95353**

FACULTY POSITION

Department of Cellular Biology and Anatomy and Feist-Weiller Cancer Center

This is a full-time tenure-track faculty position available January 1, 2001. The appointment will be at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level depending on qualifications. Applicants should have a Ph.D. and/or M.D., significant postdoctoral experience, and a record of excellent research accomplishment. We are seeking an outstanding individual to augment our departmental and institutionwide efforts in cancer research. Preference will be given to persons with research interests in the cell biology of CNS tumors. Other areas of interest include genetics, gene therapy, and tumor immunology. The successful candidate will be expected to maintain an active, extramurally funded research program and to participate in teaching medical and graduate students. An attractive start-up package will be provided. Send curriculum vitae, a brief description of current and future research directions, and a description of areas of teaching expertise and experience to: **Dr. Stephen B. Pruett, Department of Cellular Biology and Anatomy, Louisiana State University Health Sciences Center in Shreveport, P.O. Box 33932, Shreveport, LA 71130**. *LSUHSC is an Affirmative Action Employer.*

FACULTY POSITION IN MOLECULAR BIOPHYSICS

The Johns Hopkins University School of Medicine

The Department of Biophysics and Biophysical Chemistry (**website: <http://biophysics.med.jhmi.edu>**) seeks outstanding candidates for a faculty position at the **ASSISTANT**, **ASSOCIATE**, or **FULL PROFESSOR** level. Applications are sought in all areas of molecular biophysics and biophysical chemistry including structural biology. Priority will be given to applications received by December 31, 2000. Please submit curriculum vitae, a summary of current and proposed research, and arrange to have three letters of recommendation sent to:

**Search Committee
Department of Biophysics and
Biophysical Chemistry
Johns Hopkins University School of Medicine
WBSB 713
725 North Wolfe Street
Baltimore, MD 21205-2185
FAX: 410-502-6910**

The Johns Hopkins University is an Equal Opportunity Employer.

Postdoctoral Position



The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) of the National Institutes of Health is seeking a highly motivated candidate to fill a postdoctoral position in an interactive microarray laboratory, to study the genetics and molecular biology of population variation and disease. The successful candidate should have a Ph.D. in human or molecular genetics or M.D. and an interest in arthritis, musculoskeletal and skin diseases.

For more information on the principal technology utilized, refer to:
Nature Genetics 1999;21:10:14
(http://www.nature.com/ng/chips_interstitial.html)

Send a curriculum vitae and research summary, and have three letters of recommendation sent to:

David J. Duggan, Ph.D.,
Associate Investigator, NIAMS,
National Institutes of Health,
Building 9, Room 1N124G,
9000 Rockville Pike MSC 0975,
Bethesda, MD 20892-0975.
Email: David_Duggan@nih.gov

Applications must be submitted by Dec 22, 2000

NIH is an Equal Opportunity Employer

Discover Merck.

Employment opportunities in Rahway, NJ

Merck Research Laboratories is a leading research-driven pharmaceutical products and services company. Recently ranked by *Fortune* in the top 10 of "America's Most Admired Companies," we continually live up to our reputation with a truly unique work environment that fosters diversity and growth.

BIOCHEMIST

We currently have an opening for a Biochemist in our Targeted Assay Support Group (TAS) in Natural Product Drug Discovery located in **Rahway, NJ**:

We are seeking an individual with a Bachelor's or Master's degree in biochemistry or a related subject and 2 or more years of experience. The focus of the TAS group is assay development, screening natural products, and communicating and coordinating efforts with other scientists in Natural Product Drug Discovery and other divisions of Merck Research Laboratories.

You will possess a strong background in biochemistry and cell biology, good communication, computer and data management skills, and experience in high throughput screening using SPA, HTRF, FRET and ELISA. Primary duties will be to run assays on a fully automated workstation, including programming, operations and maintenance, and experience in this area is preferred. Remaining time will be devoted to off-line assay development and provision of assay support for the isolation of active natural products.

We offer an excellent salary and comprehensive benefits program, including tuition reimbursement and one of the best 401(k) plans in the nation, as well as opportunities for personal growth. Please submit your resume and a cover letter indicating salary requirements to: **Merck Positions, PAF Code: XHMRSMCW11240, P.O. Box 92164, Los Angeles, CA 90009-2164. E-mail: merck@resume.isearch.com Fax: (310) 337-3393.** Only candidates considered for interviews will receive responses. No phone or agency calls please. EOE, m/f/d/v.



Visit our website at www.merck.com



Tenure-Track Faculty Position Insect/Vector Biology Assistant, Associate or Full Professor Boston College Biology Department

In conjunction with an \$80 million expansion and renovation of Higgins Hall, home to the Departments of Biology and Physics, the Biology Department at Boston College invites applications for a tenure-track faculty position in the area of insect and/or vector biology. This hire will occur in the context of a substantial expansion of our infrastructure, including new research and teaching facilities. Extremely competitive start-up funds and research space are available for initiation and growth of the research programs of incoming faculty. Significant further hiring of tenure-track faculty is anticipated. The successful candidate will join a department with established and growing research strengths in molecular and cell biology, developmental biology, genetics, signal transduction, neuroscience, and vector and insect science.

We seek an outstanding colleague to join our newly established initiative in vector and insect science at its inception. This initiative will provide a focus for molecular and genetic studies of insect systems, and it will facilitate connections between research on insects of medical and agricultural importance and studies using *Drosophila* and other insect models. The appointee will have the skills and experience to direct an innovative, externally funded program in molecular genetics and/or cell biology of insect systems. The successful candidate will be expected to train doctoral and master's students and to contribute to the teaching mission of the department. Applicants should submit a curriculum vitae, a statement of present and future research plans, a statement of teaching interests, and arrange to have three letters of reference sent to: **Dr. Marc Muskavitch, c/o Insect Science Search Committee, Biology Department, Higgins Hall, Boston College, Chestnut Hill, MA 02467.** Inquiries by phone (617-552-3540) or email (muskavit@bc.edu) are also welcome.

This appointment will begin on or after July 1, 2001. Review of applications has begun and will continue until the position is filled. Boston College is an affirmative action, equal opportunity employer. Women and minority group members are especially encouraged to apply.

Toxicologist

Toxicology & Pharmacology Branch Developmental Therapeutics Program Division of Cancer Treatment and Diagnosis National Cancer Institute, National Institutes of Health GS-0405/415/1320-12/13

Vacancy Announcement #: NCI-00-2338

The Toxicology & Pharmacology Branch (T&PB) of the Development Therapeutics Program is seeking candidates for the position of Staff Toxicologist. The Toxicology & Pharmacology Branch plans and directs a collaborative, extramural, contracted supported program to conduct preclinical pharmacology and toxicology studies for anticancer and anti-HIV drug and vaccine development. A Ph.D. degree in Toxicology, Pharmacology, Biochemistry, Chemistry or a closely related discipline is highly desirable. The candidate should possess a working knowledge of modern toxicological/pharmacological methods of drug evaluation and have post-doctoral experience in the application of such methods to the study of new anti-cancer agents. At least 2 years experience in evaluating antitumor and/or anti-HIV agents is highly desirable as is the ability to summarize results and reach conclusions in a highly professional manner.

The Staff Toxicologist will be responsible for: (1) Planning, implementing, and analyzing contractor performed studies leading to the characterization of toxic effects of new anti-cancer therapeutic agents; (2) Reviewing biological, biochemical, pharmacological, and toxicological data prior to designing studies leading to IND submission to the FDA; (3) Summarizing all toxicology data and making recommendations for starting doses, dose escalation schemes and treatment schedules for clinical trial.

To apply for this position, please submit your application/resume to: **NIH/ National Cancer Institute, Human Resource Management & Consulting Branch, Executive Plaza South, Suite 519, 6120 Executive Blvd. MSC 7209, Rockville, MD 20852-7209.** To obtain the mandatory course requirements and other necessary application information, please visit: <http://careerhere.nih.gov>, vacancy announcement NCI-00-2338. You must also call (301)594-2953 to request a fax copy of the vacancy announcement (FAX ID: 1890). The base salary for this position ranges from \$51,204 to \$79,155. Benefits include health and life insurance options, retirement, paid holidays, and vacation leave.

Applications must be postmarked no later than January 5, 2001. To be considered, applicants must be U.S. citizens. E.O.E.

POSITIONS OPEN



BIOINFORMATICS SCIENTIST

Roswell Park Cancer Institute, a comprehensive cancer center with leading programs in basic, clinical, and population-based research, invites applications for a Bioinformaticist position at the **ASSISTANT** or **ASSOCIATE** member level. The successful candidate will be responsible for obtaining, maintaining, applying, and teaching modern data analysis tools for bioinformatics applications; collaborating with professional staff on bioinformatics problems; and creating new concepts, algorithms, and software tools in bioinformatics. The preferred qualifications include a Doctoral degree in a biomedical, mathematical, or computer science discipline with at least two years of experience working on problems in bioinformatics. Excellent knowledge of modern biology and/or statistics would be a plus. Experience with the analysis of data from DNA microarrays would be a plus.

To apply, please forward your cover letter and résumé to: **William R. Greco, Ph.D., M.B.A., Director, Biomathematics/Biostatistics, Roswell Park Cancer Institute, Elm and Carlton Streets, Buffalo, NY 14263. E-mail: William.Greco@RoswellPark.org.**

Roswell Park is an Equal Opportunity/Affirmative Action Employer.

Battelle's Pharmaceutical Group works to provide preclinical toxicology services to the pharmaceutical industry for new drug approvals. We are seeking **TOXICOLOGISTS** to join our team-based environment in Columbus, Ohio. The successful individuals will work with an experienced team of Toxicologists to manage technical operations staff performing preclinical studies according to GLP standards. Positions require B.S. or higher degree and a minimum of five years of related experience as a study director. DABT certification strongly preferred. Also requires excellent written and verbal communications skills, strong leadership skills, and ability to interact with staff at all levels. In return, Battelle offers a competitive compensation and benefits package. Interested candidates are invited to apply electronically, referencing Job Numbers 100458 and 100459, to our **website: www.battelle.org/jobs**. Battelle is an Affirmative Action/Equal Opportunity Employer; Minorities/Females/Disabled/Veterans.

POSTDOCTORAL POSITION to study neuronal interactions and neuronal polarity with an emphasis on ion channel localization. Our research utilizes immunocytochemical, molecular, and electrophysiological approaches; experience in at least two of these areas is desirable. Candidates should have the Ph.D. or M.D. degree. Please send curriculum vitae, summary of research experience and career goals, and names of three references to: **Dr. Peter Shrager, Department of Neurobiology and Anatomy, Box 603, Room 4-5428, University of Rochester Medical Center, 601 Elmwood Avenue, Rochester, NY 14642. E-mail: pshr@mail.rochester.edu. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION available immediately for NIH-supported study of the molecular basis for the pathogenicity and cell culture adaptation of enteric caliciviruses using a porcine enteric calicivirus as a model. Experience and training in molecular virology is required. Research experience in creation of infectious viral clones, mutagenesis techniques, and viral pathogenesis is desirable. Send curriculum vitae and three letters of recommendation to: **Dr. Linda Saif, Food Animal Health Research Program, OARDC, The Ohio State University, Wooster, OH 44691. E-mail: saif.2@osu.edu.**

POSITIONS OPEN

NEUROBIOLOGIST JOB IDENTIFICATION NUMBER 10667 UNIVERSITY OF ILLINOIS AT CHICAGO

The Department of Biological Sciences at the University of Illinois at Chicago invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level. The Neurobiology Group currently consists of nine faculty with research interests primarily in synaptic and developmental neurobiology and in sensorimotor integration. All of the faculty and graduate students also are affiliated with the Neuroscience unit of the College of Liberal Arts and Sciences, the Laboratory of Integrative Neuroscience (**website: www.uic.edu/las/LIN**). We seek applications from individuals whose research program emphasizes neurodevelopment but will consider other areas as well. Successful candidates will be expected to pursue a vigorous, independent research program and to contribute to the Department's undergraduate and graduate teaching efforts. Applications will be accepted until position is filled. For fullest consideration, send curriculum vitae, a brief summary of research/teaching plans, and at least three letters of recommendation to:

**Search Committee for Neurobiologist
JOBID # 10667
c/o Mary Wais
Laboratory of Integrative Neuroscience
4068 SEL - MC 067
840 West Taylor Street
Chicago, IL 60607**

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

POSTDOCTORAL POSITIONS STRUCTURAL BIOLOGY

Three-dimensional cryoelectron microscopy (cryo-EM) is an emerging branch of structural biology that spans the gap between light microscopy and X-ray crystallography. It is being used to study a wide range of fundamental biological processes including protein synthesis, membrane transport, and energy transduction. The Resource for the Visualization of Biological Complexity, a national center supported by NIH/NCRR, is developing two novel cryo-EM capabilities: tomography of frozen-hydrated subcellular structures and time-resolved studies of macromolecular interactions. We seek individuals with a background in biophysics or biochemistry of macromolecules, electron microscopy, and/or image processing to work on projects related to these areas of development. The Resource is located at the Wadsworth Center in scenic upstate New York, an institution with state-of-the-art facilities in imaging, computational biology and bioinformatics, protein characterization, and molecular genetics, along with graduate programs in biomedical and environmental sciences. Please send curriculum vitae with the names of three references to: **Dr. Joachim Frank, Wadsworth Center, Empire State Plaza, P.O.B. 509, Albany, NY 12201-0509. FAX: 518-486-2191; e-mail: joachim@wadsworth.org. Affirmative Action/Equal Opportunity Employer.**

The Department of Pediatrics at the University of Louisville is seeking a **RESEARCH ASSISTANT PROFESSOR** in diabetes. The faculty member will participate in a new basic science group using transgenic models to understand and prevent diabetes. This group is well funded by the NIH and located in beautiful new laboratories. The applicant will be expected to carry out research and write grants. This position may be converted to tenure track if the individual is successful in obtaining grant funding. The successful applicant will also participate in the running of an embryo microinjection core facility. Salary is \$52,000 plus benefits. Send curriculum vitae and names of three references to: **Paul N. Epstein, Professor, Department of Pediatrics, University of Louisville School of Medicine, 571 South Preston Street, Suite 321, Louisville, KY 40202-1788. E-mail: pepstein@medicine.nodak.edu. Affirmative Action/Equal Employment Opportunity.**

POSITIONS OPEN

PROLINX[®] Redefining the Possible[™]

Prolinx, Inc. invites applications for the position of **SCIENTIST** in its Applications Development Group. Prolinx is a privately held biotechnology company located north of Seattle, Washington. The Company develops, manufactures, and markets tools, applications, and systems that advance developments in the postgenomic era and has recently launched its first two product lines. Prolinx offers a competitive compensation and benefits package. Candidates for this position should possess demonstrable experience in preparing and characterizing bioconjugates including protein-small molecule conjugates, nucleic acid-small molecule conjugates, and chemically modified solid phases. Additional experience in the development of assays (such as ELISA) and/or in affinity chromatography techniques is a plus. This position requires a Ph.D. in chemistry or biochemistry or an M.S. in chemistry or biochemistry with two to four years of industrial experience. Candidates must be self-motivated, independent, and willing to learn a potentially broad range of new laboratory techniques and scientific concepts. Additionally, candidates must demonstrate the ability to communicate effectively. For consideration, please reference Job Number RD9 and send your résumé and cover letter to: **HR-Prolinx, Inc., 22322 20th Avenue S.E., Bothell, WA 98021. FAX: 425-487-9578; e-mail: jobs@prolinxinc.com; website: www.prolinxinc.com. E-mail résumés: virus-scanned Microsoft Word, WordPerfect for Windows, or RTF (rich text format) files. Equal Opportunity/Americans With Disabilities Act Employer.**

INFORMAX INC. is a leading global provider of bioinformatics software solutions for the analysis and interpretation of genomic and other biomolecular data. InforMax enables researchers worldwide to achieve greater insights into genetic function through biological data mining and integrated genomic analysis through our Vector NTI® Suite desktop sequence analysis software and GenoMax™ enterprise bioinformatics system. Additional information about InforMax can be found at the company's **website: www.informaxinc.com**.

InforMax is currently looking for **TECHNICAL PROFESSIONALS** to join our implementation team in our North Bethesda, Maryland, office. Positions include:

PRODUCT MANAGER: Manages interdisciplinary team creating bioinformatics software products. Requires commercial bioinformatics software management experience; Ph.D. in bioinformatics or life science.

TECHNICAL WRITER: Write, design specifications and manuals for bioinformatics software. Requires technical writing, bioinformatics, and molecular biology experience; Bachelor's/Master's degree in bioinformatics or life science.

BIOINFORMATICS UNIX PROGRAMMER: Creates automated methods and scripts to validate the software products. Requires UNIX shell scripting and Perl programming experience; Bachelor's/Master's degree in bioinformatics, computer, or life science.

Send résumés (Attention: Recruiting Manager) to **e-mail: employment@informaxinc.com; FAX: 301-984-1091. Mail to: Human Resources, 6010 Executive Boulevard, 10th Floor, North Bethesda, MD 20852. InforMax is proud to ensure that Equal Talent will always get Equal Opportunity.**

POSTDOCTORAL POSITION available for studies in cancer, early diagnosis, and dormancy. Solid background in molecular genetics/immunology. Excellent references and publication record. Three-year commitment required. Contact: **Dr. J. Uhr, Cancer Immunobiology Center, University of Texas Southwestern Medical Center at Dallas; e-mail: jonathan.uhr@utsouthwestern.edu. FAX: 214-648-1656. Affirmative Action/Equal Opportunity Employer.**

**Faculty Positions - Mammalian Genetic
Approaches to Cell and Developmental Biology
University of California, Irvine**

The Department of Developmental and Cell Biology at UCI seeks applicants whose research exploits the genetic manipulation of mammals to study fundamental problems in developmental and/or cell biology. Two positions are available:

- (1) A tenured position at the **Associate Professor** or **Full Professor** level
- (2) A tenure-track position at the **Assistant Professor** level.

We seek investigators who are committed to maintaining a vigorous, well-funded research program, including participation in teaching at the graduate and undergraduate levels. Candidates for the senior position should have demonstrated ability to lead a productive research group.

Please submit a curriculum vitae, publication list, synopsis of research and teaching interests, and arrange for three letters of reference to be sent to: **Search Committee, Developmental & Cell Biology, 5205 Bio Sci II, University of California, Irvine, CA 92697-2300, USA.** Nominations of candidates for the senior position will also be accepted. Consideration of applicants begins January 1, 2001 and continues until each position is filled. Please visit our departmental website at <http://devcell.bio.uci.edu>.

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



The Department of Biology at the University of Virginia (www.virginia.edu/~biology) announces the opening of two tenure-track **Assistant Professor** positions in **Cellular/Molecular Biology**. Successful applicants will have outstanding research credentials, strong potential to become leaders within their specific research field, and an interest in working synergistically with other labs both within and beyond the Department of Biology. They will enjoy generous and competitive start-up funds, salaries and benefits, faculty appointments at one of America's premier public universities, and the opportunity to live in a community whose quality of life consistently ranks among the highest in the continental US. Candidates who can bring new dimensions to a campus-wide initiative on the molecular and biophysical basis of morphogenesis by the use of cutting edge research approaches and technologies are especially encouraged to apply. Applicants should send a curriculum vitae, a statement of research interests, and the names, addresses, phone numbers and email addresses of three references to: **Cellular/Molecular Biologist Search Committee, Department of Biology, University of Virginia, PO Box 400328, Charlottesville, VA 22904-4328.** FEDEX address: **Department of Biology, University of Virginia, Gilmer Hall, Room 229, Charlottesville, VA 22903.** The review of applications will begin by January, 2001, and the search will remain open until the positions are filled. *Women and minorities are encouraged to apply. The University of Virginia is an equal opportunity/affirmative action employer.*

The Science Careers website has 2 great ways to help you find a job.

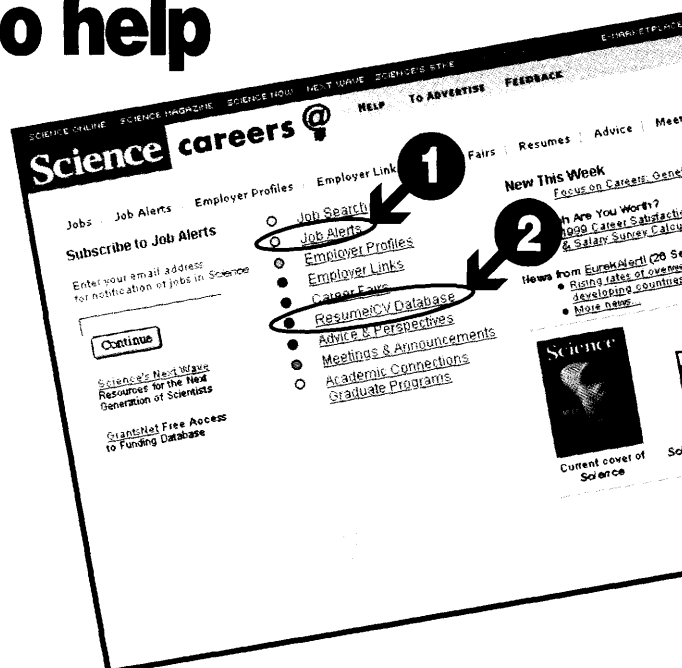
1. Job Alerts Sign up for Job Alerts by posting your criteria for a job. Every week, *Science* Careers will send you job postings that match those criteria. It doesn't get any easier.

2. Resume/CV Database This database allows you to post your credentials for access by hiring managers from leading universities and biopharma organizations.

Sign up for both today.

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Science
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POSITIONS OPEN

POSTDOCTORATE POSITION is available immediately to study new therapies for liver cancer.

Ph.D. experience in molecular biology, especially vascular biology related to tumor vascularity, angiogenesis, and intra-arterial therapy, biological chemistry, cell biology, and MR imaging/spectroscopy, is strongly desired. The position will entail working with both clinicians and basic Scientists involved in liver cancer research. Apply to:

**Dr. J.F. Geschwind, The Johns Hopkins Hospital
Interventional Radiology/CVDL
6000 North Wolfe Street, Blalock 545
Baltimore, MD 21287
Telephone: 410-614-6597
FAX: 410-955-0233
E-mail: jfg@jhmi.edu**

The Johns Hopkins Hospital is an Equal Opportunity/Affirmative Action/Equal Access Employer.

POSTDOCTORAL POSITION in X-ray crystallography. A Postdoctoral position is available immediately to apply X-ray crystallographic methods to study the enzymes of bacterial cofactor biosynthesis. Crystals are available and the successful applicant will benefit from strong biochemical support in their efforts to prepare crystals for additional projects. The crystallographic laboratories at the Albert Einstein College of Medicine are well equipped and will make use of the Brookhaven National Synchrotron Light Source (a 60-to-90-minute drive from campus) for high-resolution data measurement and MAD phasing experiments. Please send curriculum vitae, summary of research experience and interests, and the names and contact information for three references by postal or e-mail to: **Dr. Steven L. Roderick, Department of Biochemistry, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461. E-mail: roderick@aecom.yu.edu. Equal Opportunity Employer.**

POSTDOCTORAL/RESEARCH ASSOCIATE POSITION: A position is available immediately to study the interrelationship between protein structure and function. A variety of chemical and physical techniques is being used to study the catalytic and/or regulatory mechanisms of enzymes such as alkaline phosphatase and aspartate transcarbamoylase. Ph.D. Scientists with expertise in one or more of the following areas are particularly encouraged to apply: molecular biology, enzymology, crystallography, and bioorganic chemistry. Send curriculum vitae and names and telephone numbers of three references to: **Dr. Evan R. Kantrowitz, Department of Chemistry, Boston College, Chestnut Hill, MA 02467. E-mail: evan.kantrowitz@bc.edu.**

MOLECULAR GENETICIST. The National Marine Fisheries Service is seeking candidates for a permanent position at our Santa Cruz Laboratory, Santa Cruz, California, studying the molecular genetics of Pacific salmon. Research will determine genetic diversity of salmon populations to address endangered species and fishery management issues. Applicants must be U.S. citizens, have a Ph.D. or equivalent education and experience, and have a strong record of molecular genetics research and publication. Salary range: \$54,003 to \$70,202 per year. To apply, see website: <http://www.usajobs.opm.gov> (Announcement W/NMF/SWC/010101.RJ) or Telephone: 206-526-6294 for more information. Closes December 22, 2000. *Equal Opportunity Employer.*

POSTDOCTORAL/RESEARCH ASSOCIATE POSITION DNA VACCINE RESEARCH

Positions are available to participate in an active laboratory to develop novel vaccines for infectious agents and for cancer. A Doctoral degree or equivalent with training or working experience in any one of the following areas is preferred: molecular biology, immunology, virology, or protein chemistry. Contact: **Shan Lu, M.D., Ph.D., Laboratory of Nucleic Acid Vaccines, Medicine, UMass Medical School, 55 Lake Avenue North, Worcester, MA 01655. E-mail: shan.lu@umassmed.edu.**

POSITIONS OPEN

INTERESTED IN CLINICAL OR POSTDOCTORAL RESEARCH TRAINING?

The National Institutes of Health has both! For more information, visit our website which lists an array of clinical and postdoctoral opportunities, including tenure-track positions.

www.training.nih.gov

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

TWO POSTDOCTORAL RESEARCH ASSOCIATES

Two NIH-sponsored positions for a Ph.D. in either biochemistry or molecular biology are available for three to five years to study the survival protein kinase mink (*Cancer Res.* 60:3631-3637, 2000) or TGF β 1 proliferative response in aggressive cancers (*J. Biol. Chem.*, in press, January 1, 2001). Competitive salary and benefits. Send curriculum vitae and e-mail addresses of three references to: **Eileen Friedman, Ph.D., Jones/Rohner Professor of Pathology, Upstate Medical University of the State University of New York, 750 East Adams Street, Syracuse, NY 13210. E-mail: friedmae@mail.upstate.edu.**

POSTDOCTORAL POSITION available immediately to study the mechanisms of cross-presentation in viral infections using *in vitro* and *in vivo* models (see *Nature* 398:77, 1999; *J. Exp. Med.* 192:1143, 2000). The successful candidate will have a good record of peer-reviewed publications, a strong background in immunology or related field, and experience with tissue culture and molecular biology techniques. Experience working with viruses and animals is preferred but not required. Please send (e-mail preferred) your curriculum vitae and the names and telephone numbers of three references to: **Dr. Luis J. Sigal, D.V.M., Ph.D., Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. E-mail: lj_sigal@fccc.edu.** For information about Fox Chase Cancer Center, please go to website: www.fccc.edu. For information about the Sigal laboratory, go to website: www.fccc.edu/research/pid/sigal. *Equal Opportunity Employer.*

POSTDOCTORAL POSITION: evolutionary functional genomics position is available for a project on gene expression during habitat invasions, using the copepod *Eurytemora affinis* as a model system. This species occurs worldwide and has invaded freshwater habitats from salt water independently from distinct genetic lineages. The objective is to determine genes that allow particular lineages to become successful invaders. For details, please consult my website: (<http://www.wisc.edu/zoology/faculty/fac/Lee/Lee.html>). Expertise working with RNA is required. Work will involve use of microarrays. A strong background in statistics and evolution is preferred but not required. Two years of funding is available (at the NIH level). If interested, please e-mail a description of your current research along with your curriculum vitae to e-mail: carollee@facstaff.wisc.edu.

POSTDOCTORAL POSITION is available immediately to study the cellular and molecular biology of dendritic cells. Areas of investigation include examination of the functional properties of dendritic cells subsets, genetic engineering of dendritic cells with immunoregulatory genes, and transplantation tolerance. Experience in cellular immunology and molecular biology is essential. Interested applicants should send curriculum vitae and names of three references to: **Dr. Mark S. Catral, Associate Professor, Department of Surgery, University of Toronto, Toronto General Hospital, 621 University Avenue, Toronto, Ontario M5G 2C4 Canada. E-mail: mark.catral@uhn.on.ca.**

POSITIONS OPEN

POSTDOCTORAL FELLOW positions available immediately for NIH-funded research on cross-talk between tumor suppressor p53-regulated cell cycle checkpoint pathway and estrogen receptor signaling pathway in regulating gene transcription. Experience in molecular biology and biochemistry desired. Highly motivated individuals enthusiastic to work in the area of transcriptional regulation (*Nature* 374:657; *J. Biol. Chem.* 273:17303) may send curriculum vitae along with addresses and phone numbers of three references to: **Gokul M. Das, Ph.D., Department of Surgery, Molecular Oncology Program, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78229-3900. E-mail: dasg@uthscsa.edu. The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.**

Three **POSTDOCTORAL POSITIONS** available to study photoimmunotherapy and mechanisms of changes in tumor cells after photodynamic activation (PDA) in models of ovarian and prostate cancer. Two positions require biology training with standard tissue culture and biochemical techniques (Western and Northern blots, cytotoxicity assays); familiarity with signal transduction mechanisms and working with animals a plus. One position requires background in protein modification and purification with intent to synthesize macromolecularly bound photoactivatable chemicals for use in photodynamic/photoimmunotherapy. Curriculum vitae to: **Professor Tayyaba Hasan, Harvard Medical School, Wellman Laboratories of Photomedicine, Massachusetts General Hospital, Boston, MA 02114-2605. MGH is an Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS MOLECULAR MECHANISM OF MEMBRANE FUSION

Two Postdoctoral positions are available immediately to participate in research to understand the mechanism of membrane fusion in cells. Expertise in electrophysiology and electron and light microscopy techniques is encouraged. Please send curriculum vitae, brief statement of research interests, and names of three references to: **Dr. Bhanu P. Jena, Professor, Physiology, Wayne State University School of Medicine, 5239 Gordon H. Scott Hall, 540 East Canfield Avenue, Detroit, MI 48201-1928. Wayne State University is an Equal Opportunity/Affirmative Action Employer.**

A **POSTDOCTORAL POSITION** is available immediately to study RNA-protein interactions and structure-function relationships in hepatitis delta virus RNA editing. Experience in molecular biology desired. Send curriculum vitae and names of three references to: **John Casey, Division of Molecular Virology and Immunology, Georgetown University Medical Center, 13 Taft Court, Suite 101, Rockville, MD 20850. E-mail: caseyj@georgetown.edu. Georgetown University is an Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION available to study the regulation of cell migration and axon guidance via protein tyrosine phosphorylation and Rho GTPases. Experience in cell/molecular biology or neurobiology is preferred. Send curriculum vitae and names of references to: **Michel Streuli, Ph.D., Department of Pathology, Harvard Medical School and Department of Cancer Immunology/D1510, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115. E-mail: Michel_Streuli@dfci.harvard.edu.**

POSTDOCTORAL POSITION

An immediate position is available to study the role of proteolyzed ECM in angiogenesis and tumor metastasis. A strong background in biochemistry and cell biology is required. Please send curriculum vitae to: **Peter C. Brooks, Ph.D., New York University School of Medicine, Rusk Research Building-806, New York, NY 10016. E-mail: kathryn.carner@med.nyu.edu.**

"Making the simple complicated is commonplace; making the complicated simple, awesomely simple, that's creativity."

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We're looking for senior scientist dyslipidemia [Mölnadal]

AstraZeneca R&D Mölnadal Sweden has around 450 people working with discovery projects in cardiovascular and gastrointestinal disease areas. In addition corporate facilities for HTS structural chemistry and transgenic animal facilities are located at this state-of-the-art research site. AstraZeneca has a long term commitment, to the area of dyslipidemia with extensive discovery and chemical programmes and extensive clinical and discovery programme in the area of Dyslipidemia. The Discovery organisation also intends to expand its research effort in identifying biological mechanisms which underlie atherosclerotic lesion progression. To the disease area team within Department of Cell Biology & Biochemistry we are looking for a talented scientist.

Our programmes oriented to the development of drugs for the treatment of abnormalities of lipid metabolism require an independent scientist with 3-6 years postdoctoral experience. The laboratory-oriented candidate should have the capacity to integrate knowledge originating from in vitro models with modern concepts about lipid and lipoprotein metabolism in mammalian systems. Experience with current concepts and techniques of the molecular cell biology and biochemistry of lipid absorption,

transport and metabolism will be important in the selection of candidates.

The selected scientist will form part of a broad spectrum of projects dedicated to development of the next generation of drugs intended to reduce the burden of vascular diseases. Within this team-oriented environment the selected candidate will have the opportunity to lead research projects in which originality and experimental creativity will be important attributes. For further information, please contact Ann-Margret Lindquist, phone. +46 (0)31 776 14 88.

Please send your application, marked "227/00 Senior Scientist" no later than December 11 to: AstraZeneca R&D Mölnadal, Att: Victoria Persson, Human Resources, SE-431 83 Mölnadal.

Further information regarding this and other available jobs can be found on our website. You can also e-mail your application:

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POSITIONS OPEN

POSTDOCTORAL FELLOW POSITION

The Division of Virology, Children's Hospital of Eastern Ontario, a University of Ottawa-affiliated hospital, invites applications for a full-time **RESEARCH ASSOCIATE/ POSTDOCTORAL FELLOW** position commencing February 1, 2001. The position is for a two-year period. The selected candidate will be responsible for the development of transgenic murine models of HIV and hepatitis C infection. The position requires a Ph.D. degree or equivalent in the past five years and at least one year of previous experience in molecular biology and histochemistry. Salary will be commensurate with experience and academic qualifications. Applications, accompanied by curriculum vitae, a list of publications, and a statement of experience in molecular biology and histochemistry, should be forwarded to: **Dr. Francisco Diaz-Mitoma, Division of Virology, Children's Hospital of Eastern Ontario, Ottawa, ON K1H 8L1 Canada.** In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.

POSTDOCTORAL POSITIONS (RESEARCH ASSOCIATE) IN FUNCTIONAL GENOMICS

Positions are available immediately in the Functional Genomics Laboratory at the Respiratory Sciences Center for NIH-sponsored research to study the impact of naturally occurring polymorphisms on the function of genes related to allergy and asthma. Projects include the analysis of IL-13, CD14, IL-10, and IgE regulation at the level of transcription and DNA/protein interactions, as well as using *in vitro* embryonic stem cell differentiation and T cell cloning. Required: Ph.D. Preferred: a strong background in molecular biology and immunology and fluency in English. Send curriculum vitae and names of three references to: **Donata Vercelli, M.D., P.O. Box 245030, Tucson, AZ 85724.** Review of material will begin November 11, 2000, and will continue until positions are filled. *The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer; Minorities/Women/Disabled/Veterans.*

POSTDOCTORAL POSITION

A Postdoctoral position is available for a highly motivated individual to study mRNA processing (including alternative splicing and A-to-I RNA editing) as they relate to nervous system function in *Drosophila* (see *Cell* 102:437; *Neuron* 25:139; *Genetics* 155:1149; *RNA* 6:1004). The successful applicant will have extensive experience in a model genetic system, molecular biology, and/or biochemistry.

Interested individuals should submit curriculum vitae, description of previous research experience, and contact information for three references to:

Dr. Robert Reenan
Department of Genetics and
Developmental Biology
University of Connecticut Health Center
263 Farmington Avenue, MC 3301
Farmington, CT 06030-3301
E-mail: rreenan@neuron.uchc.edu

A **POSTDOCTORAL POSITION** is available to study outer membrane proteins of *Treponema pallidum*, the syphilis spirochete. The focus of the project shall be to use diverse genetic and protein-based approaches to identify and characterize treponemal outer membrane proteins. Experience with recombinant DNA techniques is required as is a solid understanding of genomics and membrane protein structure-function relationships. Position includes salary (negotiable), fringe benefits, and the opportunity to work in stimulating environment dedicated to state-of-the-art microbial pathogenesis research. Send curriculum vitae and the names/telephone numbers/e-mail addresses of three references to: **Dr. Justin Radolf, Center for Microbial Pathogenesis, The University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06010-3710.** FAX: 860-679-8130; e-mail: jradolf@up.uchc.edu. *The University of Connecticut is an Equal Opportunity Employer.*

POSITIONS OPEN



POSTDOCTORAL POSITIONS RIGHT Research Institute for Genetic and Human Therapy

RIGHT is currently seeking two Cellular Immunologists, preferably with a background in dendritic cell technology, to work on DNA-based therapeutic immunization (AIDS and cancer).

Please send curriculum vitae and three references to: **Dr. Julianna Lisiewicz, Director, RIGHT, Medical-Dental Building, SW307 3900 Reservoir Road, N.W., Washington, DC 20007.** FAX: 202-687-2907; e-mail: RIGHT@gunet.georgetown.edu.

POSTDOCTORAL POSITION, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, Bronx, New York. Starting December 2000. A Postdoctoral position is available to study G protein-coupled receptor signal transduction and mitogenesis. The main focus of the laboratory is to explore novel mechanisms of gastrin-releasing peptide receptor signal transduction (*J. Biol. Chem.* 274:36700; *J. Biol. Chem.* 270:8217). A combination of molecular, biochemical, and cellular approaches will be applied. Qualified candidates should have a strong background in molecular biology and/or biochemistry with a recent Ph.D. or equivalent. Submit curriculum vitae and three references to: **Dr. Glenn S. Kroog, Department of Molecular Pharmacology, 1300 Morris Park Avenue, Bronx, NY 10461.** E-mail: gkroog@acom.yu.edu. *Equal Opportunity Employer.*

POSTDOCTORAL POSITION in single-molecule spectroscopy available immediately for studying single-protein conformational fluctuations, protein-protein interactions, and electron transfer at nanoparticles. Experience in one of the fields of physical chemistry (ultrafast and nonlinear spectroscopy, Raman, or AFM/STM), biophysics, or molecular biology is desired. If interested, please respond via e-mail: **Jo.Breneman@pnl.gov** or send curriculum vitae and three letters of reference to: **Dr. H. Peter Lu, Pacific Northwest National Laboratory, P.O. Box 999, MSIN K8-88, Richland, WA 99352.** PNNL is operated by Battelle for the U.S. Department of Energy and is an Affirmative Action/Equal Opportunity Employer and supports diversity in the workplace.

POSTDOCTORAL POSITION available at The Ohio State University in the Department of Pediatrics to study gene transfer as a therapy in lysosomal storage disorders affecting the CNS. Experience using cell and molecular biology/genetics research techniques in the neurosciences is preferred. Salary above NIH guidelines. If interested, submit curriculum vitae and three reference contacts to: **Thomas J. Sferra, M.D., Children's Research Institute, 700 Children's Drive, Room W511, Columbus, OH 43205.**

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

POSTDOCTORAL RESEARCH in mitochondrial energetics, neuron fluorescence microscopy, and/or cDNA microarray analysis of expression in relation to aging and Alzheimer's disease. Doctoral experience in one of the above areas is required. Please submit curriculum vitae and names of three references to: **Dr. Gregory J. Brewer, Southern Illinois University School of Medicine, P.O. Box 19626, Springfield, IL 62794-9626.** E-mail: gbrewer@siu.med.edu.

POSITIONS OPEN

POSTDOCTORAL FELLOW TRANSCRIPTION University of Cincinnati Department of Molecular Genetics, Biochemistry, and Microbiology

Two Postdoctoral positions are available in the area of gene expression and transcription, particularly relating to the KLF family of transcription factors. Our laboratory concentrates on two of these factors, EKL.F and LKLF, which are involved in globin gene expression and lung, macrophage, and lymphocyte development and function. In particular, our laboratory studies coactivators and downstream targets. Our program offers an exciting opportunity to study these factors using a variety of techniques including conditional knockout and transgenic animals, as well as a variety of cellular systems. We offer an excellent salary, superb facilities, and an outstanding environment for postdoctoral training. Interested candidates should send their résumé to: **Jerry B. Lingrel, Ph.D., Professor and Chair, Department of Molecular Genetics, Biochemistry, and Microbiology, University of Cincinnati College of Medicine, 231 Albert Sabin Way, Cincinnati, OH 45267-0524.**

POSTDOCTORAL POSITION SAINT LOUIS UNIVERSITY

An NIH-funded Postdoctoral position is available to study the effects of hypoxia on redox-sensitive transcriptional regulation of gram-negative bacterial lipopolysaccharide-induced cytokine gene expression. Projects involve characterization of genomic mechanisms as they relate to the oxidant/antioxidant balance with hepatic and pulmonary macrophages during sepsis-related lung injury. A recent Ph.D. with well-grounded training in basic molecular biological techniques is required. Please submit curriculum vitae, including names and addresses of three references, to: **Dr. George M. Matuschak, Division of Pulmonary, Critical Care, and Occupational Medicine, Department of Internal Medicine, Saint Louis University Hospital, 3635 Vista Avenue at Grand Boulevard, Saint Louis, MO 63110.** Telephone: 314-577-8856; FAX: 314-577-8859; e-mail: Matuscgm@slu.edu.

POSTDOCTORAL POSITION DEPARTMENT OF MEDICINE HARVARD MEDICAL SCHOOL

A Postdoctoral Fellowship is available immediately in a multidisciplinary laboratory studying the control of blood cell differentiation and mechanisms of neoplasia. Current projects include growth factor signal transduction, early response gene regulation, and protein engineering.

Experience with molecular biological and/or protein biochemical techniques is required.

Send curriculum vitae, statement of research interests, and names of three references to:

Arthur J. Sytkowski, M.D.
Laboratory for Cell and Molecular Biology
Beth Israel Deaconess Medical Center
Harvard Medical School
330 Brookline Avenue, W/BL 548
Boston, MA 02215
E-mail: asytkows@caregroup.harvard.edu

POSTDOCTORAL POSITIONS CELL CYCLE RESEARCH

Postdoctoral positions available immediately to study cell cycle regulation in mammalian development and human disease. Ongoing projects include generation and analyses of transgenic and knockout mice to study genes involved in cell cycle control (see *Genes Dev.* 13:213, 1999; *Nature* 387:518, 1997.) Candidates must have a strong background in molecular biology. Please submit curriculum vitae, a statement of research interests, and names of three references to: **Debbie Colbert, c/o Pumin Zhang, Ph.D., Department of Molecular Physiology and Biophysics, Baylor College of Medicine, One Baylor Plaza, Houston, TX; E-mail: dcolbert@bcm.tmc.edu.**

MAX-PLANCK-SOCIETY



The Max-Planck Society for the Advancement of Science (MPG; <http://www.mpg.de/english/>) is a German research organization of high international reputation. Its research activities cover fundamental aspects of science and humanities in more than 80 specialized research institutes. The management of scientific information within the society is mainly the responsibility of each individual institute. To keep pace with, and eventually play a leadership role in Europe in the ongoing electronic information revolution, the MPG has initiated a 5-year project to support re-searchers and research processes in the area of information management. The objectives of the project include co-ordination of existing activities within the MPG and implementation of a strategy to develop "electronic research archives". The project, entitled the Center for Information Management (CIM), will receive substantial monetary and personnel support from the MPG, and will be advised by a commission of MPG Institute directors and Rick Luce, the Director of the Los Alamos National Laboratory's "Library Without Walls" (<http://lib-www.lanl.gov/lww/welcome.html>). The CIM will be located in the Munich area.

The MPG seeks a qualified candidate for the position of the

Executive Director of the CIM

Candidates should have an intimate understanding of the ongoing revolution in electronic information management, and be experienced in the development and use of electronic research tools. They should further have extensive knowledge and expertise leading teams and development efforts in database design and support, Unix server administration, and Web applications. Candidates with a vision for the development of information management structures and with the political skills to implement their vision within the MPG are strongly encouraged to apply. The CIM leader, who will report directly to the general secretary of MPG, should have the ability to manage, lead and inspire an international team of co-workers. A working knowledge of German would be of an advantage.

The MPG is an equal opportunities employer. Women are encouraged to apply. When a disabled candidate and a non-disabled candidate are equally qualified, the disabled candidate will be chosen. Salaries will be competitive depending on qualifications (BAT 1 to C3). Social benefits of the German public sector will apply. The MPG is known for an efficient and flexible working environment. For further information, see <http://www.mpg.de/it/cim/cime.html>.

Applicants should send their CVs and three letters of reference to: Maria Antonia Rausch, Generalverwaltung der

MAX-PLANCK-GESELLSCHAFT

Hofgartenstraße 8, D-80539 München, Germany, E-Mail: rausch@mpg-gv.mpg.de

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GLOBAL OPPORTUNITIES

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The University of New South Wales is seeking a Professor of Medical Microbiology to provide strong academic leadership in Medical Microbiology within the multi-disciplinary environment of the School of Microbiology and Immunology. This vibrant School has an excellent record of achievement in research and teaching. It is responsible for the delivery of undergraduate courses to both medical and science students and of higher degree research programs.

The present research interests of the School include bacterial pathogenesis, microbial adaptive responses, biofouling and bioremediation, the aetiology of allergic disease and cell signalling in prokaryotic and eukaryotic organisms.

Further information about the Faculty and School can be found at www.life.unsw.edu.au and www.micro.unsw.edu.au/

The Position:

- Provide academic and strategic leadership in the fields of medical microbiology and immunology
- Engage in and promote research programs and advanced studies in medical microbiology
- Supervise and participate in teaching and examining undergraduate/postgraduate medical and science students

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- A distinguished international reputation in research
- Excellent achievement in supervising and teaching Medical Microbiology to undergraduate medical and science students
- Distinguished record of publication in Medical Microbiology
- Ability to promote interaction between clinical microbiologists and the university community
- Experience implementing equity and diversity policies and programs

The consultants assisting the University of New South Wales with this appointment are Futurestep Australia Korn/Ferry International.

The position description may be obtained via email: unsw@futurestep.com.au and confidential enquiries by telephoning Louise Baker, Managing Consultant Futurestep, 61 7 3368 5300. Applicants are requested to systematically address the selection criteria outlined in the position description and email applications to unsw@futurestep.com.au. Closing date for applications is 14 December, 2000.

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POSITIONS OPEN

POSTDOCTORAL ASSOCIATE positions available for studying (1) nuclear receptors/coregulators in gene transcriptional control and vitamin A signaling pathways and (2) opioid receptor gene regulation. Experimental systems include cancer cell cultures, embryonic stem cells, neuron cultures, and transgenic mice. Strong interest and training in molecular biology/biochemistry/genetics are required. Send curriculum vitae and three names of references to:

Dr. Li-Na Wei
Department of Pharmacology
University of Minnesota
6-120 Jackson Hall
321 Church Street S.E.
Minneapolis, MN 55455-0217
E-mail: weix009@maroon.tc.umn.edu
FAX: 612-625-8408

POSTDOCTORAL POSITIONS PROTEOMICS LABORATORY

The Proteomics Laboratory in the Biochemistry Department at The University of Texas Southwestern Medical Center at Dallas has two Postdoctoral positions available. The successful candidates will be responsible for purification and characterization of protein complexes involved in oncogenesis and apoptosis. Qualifications include a Ph.D. degree in molecular biology and biochemistry. If you are interested, please send your curriculum vitae and a cover letter to: **Dr. Yingming Zhao, Department of Biochemistry, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75390-9038. E-mail: yzhao@biochem.swmed.edu. The University of Texas Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.**

POSTDOCTORAL RESEARCH ASSOCIATE

Population modeler to work with interdisciplinary team analyzing temporal and spatial dynamics of prion disease in deer populations. Requires Ph.D. in mathematics or biological science, experience in mathematical and simulation modeling, and training in maximum likelihood parameter estimation. See website: <http://nrel.colostate.edu/opportun/long-term.html> for more details. Send curriculum vitae, statement of research interests and experience, and contact information for three references to: **Natalie Lucero, Natural Resource Ecology Laboratory, Colorado State University, Fort Collins, CO 80523-1499. Closing date: December 21, 2000. Colorado State University is an Equal Employee Opportunity/Affirmative Action Employer. Employment Opportunity Office: 101 Student Services.**

HEMATOPOIESIS/LEUKEMIA

Two funded **POSTDOCTORAL POSITIONS** available to study transcriptional and cytokine regulation of myeloid differentiation and proliferation and leukemogenesis by CBF and C/EBP oncoproteins (*Leukemia* 13:1932-1942, 1999; *Leukemia* 14:973-990, 2000). Please send curriculum vitae and names and telephone numbers of three references to: **Alan Friedman, M.D., Johns Hopkins Cancer Research Building, Room 255, 1650 Orleans Street, Baltimore, MD 21231. FAX: 410-955-8897; e-mail: adfrdman@jhmi.edu. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITIONS available immediately to develop innovative strategies for using peptide nucleic acids and oligonucleotides to investigate cellular processes. Projects offer an exceptional opportunity at the interface of chemistry and biology. Interested candidates should send a letter and curriculum vitae to: **Dr. David Corey, Department of Pharmacology, The University of Texas Southwestern Medical Center at Dallas, Dallas, TX 75390-9041. E-mail: corey@chop.swmed.edu. UT Southwestern is an Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE positions available in the Center for Genomic Sciences (CGS) at Allegheny General Hospital, a teaching hospital of MCP-Hahnemann School of Medicine. CGS is a multidisciplinary research unit jointly directed by Scientists and Clinicians that focuses on the application of state-of-the-art technology to answer clinical problems. Become an integral member of an exciting and successful research team with the potential for rapid career advancement. We currently have openings in several ongoing projects that utilize global gene expression technologies including the potential of primary tumors to metastasize, characterization of pathogen and host expressomes during chronic bacterial infection, scarless wound healing processes, and model systems developed to characterize the downstream physiological effects of mutations associated with inherited skeletal diseases. Additional projects include disease gene mapping and cloning, gene structural and mutational analyses, and studies on the heritability of infectious disease susceptibility. CGS has recently moved into 10,000 square feet of renovated laboratory space, which has been equipped with over \$2 million worth of instrumentation. Project support comes from four NIH grants and additional institutional support. Competitive salaries and an excellent working environment are two of the benefits you will receive; in addition, the Pittsburgh area has been repeatedly rated as one of the most desirable metropolitan areas in the United States. Applicants with experience in the construction and characterization of libraries and microarrays will receive priority consideration. Send curriculum vitae and names of three references to: **Ms. Tawanda Littlejohn, Center for Genomic Sciences, Room 1030, South Tower, Allegheny General Hospital, 320 East North Avenue, Pittsburgh, PA 15212. E-mail: tlittlej@wpahs.org.**

POSTDOCTORAL TRAINING PROGRAM IN NEUROBIOLOGY Columbia University

Emphasis is placed on the analysis of the cellular and molecular basis of neural development, behavior, and behavioral plasticity. Training faculty include **Asa Abeliovich, Richard Axel, Craig Bailey, Jane Dodd, Vincent Ferrera, Michael Gershon, Claude Ghez, Daniel Goldberg, James Goldman, Jacqueline Gottlieb, Lloyd Greene, Robert Hawkins, René Hen, Joy Hirsch, Oliver Hobert, Thomas Jessell, Eric Kandel, Robert Kass, John Koester, Arnold Kriegstein, Irving Kupfermann, Ronald Liem, Amy MacDermott, Carol Mason, John Martin, Ning Qian, Stephen Rayport, Lorna Role, Samuel Schacher, James Schwartz, Michael Shelanski, Steven Siegelbaum, Claudio Stern, and Dominique Toran Allerand.** Applicants must have the M.D., Ph.D., or D.V.M. Send curriculum vitae, a letter describing research interests, and three letters of reference to: **Admissions Committee, Postdoctoral Training Program, Center for Neurobiology and Behavior, 1051 Riverside Drive, Unit 87, New York, NY 10032. Website: <http://cpmnet.columbia.edu/dept/neurobeh/>. An Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL RESEARCH ASSOCIATE. Requirements: Ph.D. in chemistry with emphasis on molecular structure. Duties: responsible for the molecular modeling of novel anticancer agents; DNA duplex, triplex, and tetraplex systems; maintaining structural databases; and some system administration. Will routinely perform molecular mechanics, molecular dynamics, semiempirical, and quantum mechanical calculations. Will routinely interact with Medicinal Chemists and Molecular and Structural Biologists. Requires heavy emphasis on molecular structure and interactions. Position requires programming ability in at least one computer language and familiarity with SGI IRIX. Salary: \$25,000 per year; forty hours per week. Send résumés to: **Jane Hosley, Job Order Number 1527, Department for Employment Services, 275 East Main Street, Frankfort, KY 40601. An Equal Opportunity Employer. Only persons with authorization to work permanently in the United States need apply.**

POSITIONS OPEN

A **POSTDOCTORAL POSITION** in molecular virology is available immediately in the laboratory of **Donald Nuss, Director of the Center for Agricultural Biotechnology**, University of Maryland Biotechnology Institute. The successful candidate will investigate molecular biology of viruses (hypoviruses) that reduce virulence and alter signal transduction pathways in the chestnut blight fungus (see *J. Virol.* 74:7562-7567; 7568-7577, 2000). Qualifications include a Ph.D. in molecular virology or related areas. Applicants should send curriculum vitae, names of three references, and a summary of research accomplishments to: **Research Associate (R3-0196), Center for Agricultural Biotechnology, University of Maryland Biotechnology Institute, Plant Sciences Building, Room 5115C, College Park, MD 20742-4450.** Consideration of applications will begin immediately and continue until the position is filled. Additional information is available at the CAB website: www.umbi.umd.edu/~cab. The University System of Maryland is an Equal Opportunity/Affirmative Action Employer.

EUROPEAN OPPORTUNITIES

Imperial College of Science, Technology, and Medicine. A **POSTDOCTORAL RESEARCH POSITION** is available in the Institute for Reproductive and Developmental Biology to study the role of stress kinases in apoptosis and brain injury from January 2001 for three years. The successful applicant will have a Ph.D. and preferably postdoctoral research experience in neuronal apoptosis and intracellular signaling. Experience with *in vivo* models of brain injury, neuroanatomy, or protein phosphorylation would be an additional advantage. The starting salary will be up to £ 27,000 (\$40,000) per annum. Applications consisting of curriculum vitae, publication list, research interests, and the names of three references should be sent to: **Dr. Huseyin Mehmet, Head of Weston Laboratory, Division of Paediatrics, Obstetrics, and Gynaecology, Imperial College of Science Technology and Medicine, Hammersmith Hospital, DuCane Road, London W12 0NN United Kingdom. Telephone: 44 208 383 1811; FAX: 44 208 383 2474; e-mail: h.mehmet@ic.ac.uk. Closing date: 15 December 2000.**

GLOBAL OPPORTUNITIES

台灣國立成功大學人類基因體研究中心 誠徵博士後研究員數名

The Medical College of National Cheng Kung University at Taiwan has several open positions for a **POSTDOCTORATE**. Research project: functional genomics and discovery of new drugs from human genome project.

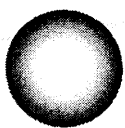
Candidates should have Ph.D. in any research field related to life science.

Salary: U.S. \$25,000 and up commensurate with experience. Applicants should send résumé and cover letter to e-mail: genomic@kimo.com.tw.

FACULTY POSITION IN NATIONAL TAIWAN NORMAL UNIVERSITY

The Department of Biology invites application for two positions in the rank of **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level starting February or August 2001. Candidates with disciplines in population/community biology and neuroscience are invited to apply. Applicants must have Ph.D. degree and postdoctoral experience and commit to excellence in research. The appointees are expected to teach at both undergraduate and graduate level and conduct a vigorous research program. Applicants should send curriculum vitae with publication list; research plan; photocopies of diploma of the highest degree; and arrange for three reference letters before January 15, 2001, to: **Professor Shong Huang, Chairman, Department of Biology, National Taiwan Normal University, 88, Section 4, Ting-Chou Road Taipei 117 Taiwan. FAX: 886-2-29312904; e-mail: biof057@scc.ntnu.edu.tw.**

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*Nous adressons nos meilleurs vœux pour
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The current Director of the Paul Scherrer Institute (PSI) will be retiring in the summer of 2002. We are therefore seeking to appoint a suitable individual to the post of

Director of the PSI

in Würenlingen/Villigen, Canton of Aargau, Switzerland. The Paul Scherrer Institute is a multidisciplinary Federal research institute (employing approx. 1,200 people) which, like the Swiss Federal Institutes of Technology, belongs to the ETH-Domain. It engages in ambitious research activities including solid-state physics and material sciences, particle physics and astrophysics, biology and medicine, and energy and environmental research. It collaborates closely with universities, other research institutes, polytechnics and industry on both a national and an international level. The PSI has an extensive technical infrastructure. Developed to fulfil a "user lab" function, it plans, builds and operates complex major research facilities (cyclotron, SINQ spallation neutron source, SLS Synchrotron Light Source Switzerland, mion spectrometer) which are particularly demanding in terms of expertise, experience and professionalism.

The Director manages the PSI and bears responsibility for the scientific, technical and business matters. He or she may be affiliated to the Federal Institute of Technology at Zurich or Lausanne.

We are seeking to fill this demanding position with an outstanding scientist with proven management capabilities, leading international expertise in one of the PSI's areas of interest, and the ability to collaborate closely within the ETH-Domain, with industry, and with both the national and the international scientific community. We place particular emphasis on excellent communication skills.

Please send your written application with the usual documents by December 8, 2000 to Prof. Dr. Francis Waldvogel, President of the ETH Board, ETH Zentrum, CH-8092 Zürich. Your application will be treated in the strictest confidence.

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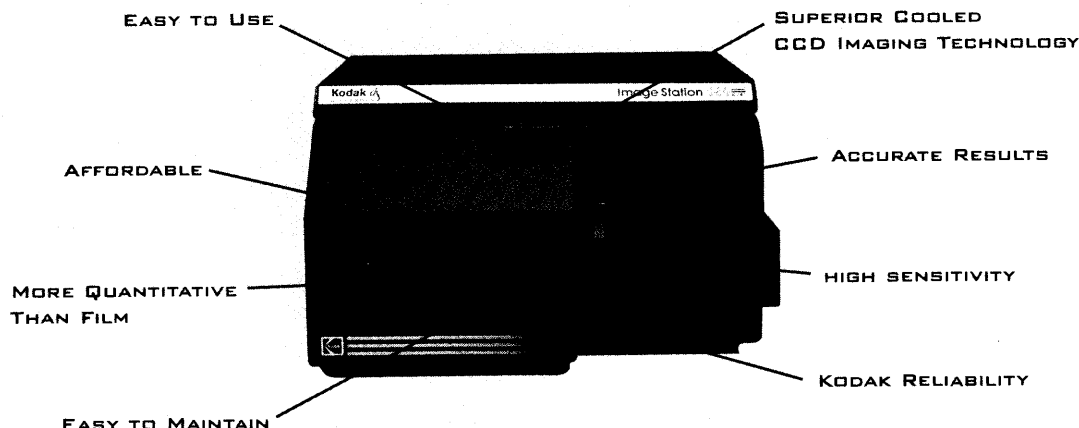
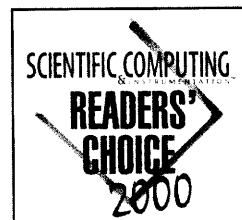
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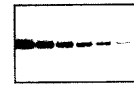
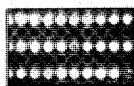
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* > 70% of scientists surveyed at the Society for Neuroscience 1999 indicated a preference for KODAK Image Station vs. its major competitors (St Andrews Marketing Group)
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