

# SCIENCE

## DISPLAY CLASSIFIED ADVERTISEMENTS

Call for rate and deadline information on display classified advertisements.

Bethany Ritchey  
Recruitment Display Advertising  
Telephone: (202) 326-6541  
FAX: (202) 289-6742

Janis Crowley  
Recruitment Advertising Manager  
Telephone: (212) 496-7704  
FAX: (202) 289-6742

Debbie Cummings  
European Recruitment Advertising  
Telephone: +44 (0) 1223 302067  
FAX: +44 (0) 1223 576208

For ANNOUNCEMENT display advertisements, turn to page 2003.

## LINE CLASSIFIED ADVERTISEMENTS

### How to Submit a Line Classified Ad:

Submit double-spaced typewritten copy. Do not include any abbreviations. SCIENCE will edit and typeset ads according to SCIENCE guidelines. Include billing information and desired publication date. Available categories: Positions Open, Meetings, Announcements, Courses and Training, Services. SCIENCE cannot provide proofs of typeset line ads. Line advertisements are not commissionable.

**Estimates:** SCIENCE will provide a cost estimate for line ads. This is an approximate cost only. Allow for variation between estimated lines and actual typeset lines and resulting final cost. Purchase orders must allow for some degree of flexibility and/or adjustment.

For line advertising deadlines, call Eric Banks.  
Telephone: (202) 326-6555;  
FAX: (202) 289-6742.

**Credit Cards:** SCIENCE accepts American Express, MasterCard and VISA. Discount does not apply to credit cards.

**Cancellations:** Deadline for cancellation is Tuesday, 10 days prior to issue date.

**Discounts:** A 3% cash discount is granted to all prepaid ads.

**Ads from Outside the U.S.:** A discount of \$30 will be offered to advertisers making payment in U.S. dollars by checks drawn on U.S. banks. Contact Debbie Cummings. Telephone: +44(0) 1223 302067; FAX: +44(0) 1223 576208.

**SCIENCE Global Career Network:** Unless otherwise instructed, every classified advertisement submitted for publication in SCIENCE is automatically posted on SCIENCE's on-line classified advertising service, SCIENCE Global Career Network, at no additional charge. SCIENCE Global Career Network address:  
**WWW:** <http://www.aaas.org>  
**Gopher:** [gopher.aaas.org](mailto:gopher.aaas.org)

**Mail, FAX or Email materials to:**  
SCIENCE Classified Advertising  
1200 New York Avenue, N.W., Room 911  
Washington, DC 20005  
FAX: 202-289-6742  
Internet Email: [science\\_classifieds@aaas.org](mailto:science_classifieds@aaas.org)  
(please include your telephone number in Email)

SCIENCE reserves the right, at its discretion, to edit or decline to publish advertisements submitted to it.

## POSITIONS OPEN

### UNIVERSITY OF FLORIDA Environmental Engineering Sciences

The Department of Environmental Engineering Sciences at the University of Florida is seeking applicants for two tenure-track positions at the **ASSISTANT PROFESSOR** level, expected to be filled by January 1, 1997 or as soon as possible thereafter. An earned Ph.D. degree is required for both positions. Position 1—Applicants should have a strong background in systems ecology or environmental science/engineering, with teaching and research interests in systems ecology/ecological engineering/ecological economics. International experience is an asset. Position 2—Applicants should have a strong background in environmental, chemical, or civil engineering (including passage of, or the ability to pass, the EIT/Fundamentals of Engineering exam), with teaching and research interests in emerging areas of environmental engineering, in particular "green engineering" (air, water, or land environments). Successful applicants for both positions will be expected to teach both undergraduate and graduate level courses and develop an active externally funded research program. Salary is negotiable. Send curriculum vitae; copies of transcripts; and the names, addresses, telephone and FAX numbers, and Email addresses of three references to: **Dr. Joseph J. Delfino, Department Chairman, Department of Environmental Engineering Sciences, Box 116450, University of Florida, Gainesville, FL 32611-6450.** Applications should be received not later than September 6, 1996. Our World Wide Web address is: <http://www.enveng.ufl.edu>. The University of Florida is an Equal Opportunity/Affirmative Action Employer.

### ASSISTANT PROFESSOR PLANT PATHOLOGY

Penn State University invites applications for a 48-week **TENURE-TRACK** position available November 1, 1996. This position has a 75% research and 25% teaching responsibility. The individual will be expected to conduct research relating to management of turfgrass diseases; research should concentrate on turfgrass pathogens, particularly those occurring in the plant rhizosphere. The individual is expected to work closely with the turf industry to identify research needs and to secure external funding support. Candidate will be responsible for teaching an eight-week turfgrass disease course, developing a graduate-level plant pathology course, and cooperatively teaching an undergraduate interdisciplinary course in turf. Ph.D. in plant pathology or closely related field required; experience working with pathogens in the rhizosphere of host plants desirable. Training in rhizosphere biology would be beneficial. Candidates must be strongly committed to a research and teaching career and must demonstrate the ability to collaborate with others. Salary is competitive and commensurate with background and experience. Applicants should submit a letter of application, curriculum vitae, academic transcripts, a written statement on research interests and teaching, and three letters of recommendation to: **Dr. James W. Travis, Search Committee Chair, Department of Plant Pathology, 219 Buckhout Lab, Box S-105, University Park, PA 16802-4507.** Application deadline: August 15, 1996, or until filled. An Affirmative Action/Equal Opportunity Employer. Women and minorities encouraged to apply.

### HEAD

#### Division of Pathobiology and Immunology

The Oregon Regional Primate Research Center (ORPRC), an independent affiliate of Oregon Health Sciences University, is seeking nominations and applications for the position of **HEAD** of the Division of Pathobiology and Immunology, ORPRC. The successful candidate will have an M.D., Ph.D., or equivalent and an internationally recognized record of research productivity and leadership. The Head will oversee program planning and execution, recruiting, and facility construction. The Division presently emphasizes AIDS research. Individuals with experience in immunology/virology/infectious diseases are encouraged to apply.

ORPRC is located on 250 acres in the scenic Pacific Northwest and has available one of the nation's largest research primate colonies.

Address applications (including letters of intent and names of five references), nominations, and inquiries to: **DPI Search, ORPRC, 505 N.W. 185th Avenue, Beaverton, OR 97006-3499.**

ORPRC is an Equal Opportunity Employer. Applications received by September 10, 1996 are assured full consideration.

## POSITIONS OPEN

### FACULTY POSITION PSYCHIATRIC NEUROIMAGING RESEARCH

The University of North Carolina School of Medicine at Chapel Hill is seeking candidates for a tenured (or tenure-track) **FACULTY** position to provide leadership in neuroimaging research for the Department of Psychiatry and the Mental Health and Neuroscience Clinical Research Center. Candidates should have an M.D. or Ph.D. and postdoctoral training in psychiatry or psychology, together with expertise in morphologic/morphometric and/or functional magnetic resonance imaging and spectroscopy and a documented record of accomplishment in the area of psychosis and/or affective disorders research. The successful candidate will work in collaboration with a team of MHCRC investigators from both the University of North Carolina and Duke University, and will be expected to obtain support to develop his or her independent research as well. Faculty appointment and salary will be commensurate with the candidate's level of experience and accomplishment.

Interested applicants should send a curriculum vitae, statement of research interests, and three letters of reference to: **Jeffrey A. Lieberman, M.D., Vice Chairman, Department of Psychiatry, Chair of Search Committee, Campus Box 7160, University of North Carolina School of Medicine, Chapel Hill, NC 27599-7160.** The search will be continued until the successful candidate is found.

**ASSISTANT/ASSOCIATE PROFESSOR** of Veterinary Pathology—The School of Veterinary Medicine, University of California, Davis, invites applications for an Assistant/Associate Professor of Veterinary Pathology. Veterinarian with advanced training in anatomic pathology. Board certification or eligibility by the American College of Veterinary Pathologists is required. Ph.D. preferred. Clinical experience and competence in veterinary pathology. Demonstrated aptitude/experience in teaching is necessary. Documented research record or potential to develop an independent research program in some aspect of the pathogenesis of animal disease is essential, preferably in an area consistent with existing strengths in the department and school. Responsibilities include: 1) participation in lectures and laboratories in the D.V.M. professional curriculum; 2) clinical teaching in the Veterinary Medical Teaching Hospital (VMTH); 3) participation in the graduate clinical (resident) training program of the VMTH; and 4) participation in the graduate academic programs (M.S. and Ph.D.) of the campus. The position includes a 40% clinical commitment to the Anatomic Pathology Service of the VMTH. The individual will be responsible for directing, instructing, and supervising veterinary students and house officers and for coordinating aspects of the Anatomic Pathology Service. The development of a creative, independent, and productive basic and/or clinically oriented research program in disease pathogenesis is a fundamental and indispensable requirement of the position, including publication of results in professional/scientific journals. The individual will provide leadership in directing research projects of residents and graduate students. University and public service through committee work, participation in professional organizations, continuing education, and other appropriate means is required.

Applications will be accepted through September 1, 1996, or until a candidate is identified. Interested applicants should submit: 1) a letter of intent outlining special interest in the position, overall related qualifications and experience, and career goals; 2) curriculum vitae; and 3) the names and addresses of three professional references to: **N. James MacLachlan, Department Chairman, Department of Pathology, Microbiology and Immunology, School of Veterinary Medicine, University of California, Davis, CA 95616.** The University of California is an Affirmative Action/Equal Opportunity Employer.

### UNIVERSITY OF MASSACHUSETTS DARTMOUTH

The Physics Department and Center for Marine Science, Environment, and Technology seek applicants for a joint **TENURE-TRACK FACULTY** position in Physical Oceanography. Applicants should have a doctorate and expertise in remote sensing and multidisciplinary dynamic models. Send curriculum vitae, summary of research interests, and names and addresses of three references to: **Paul Ukleja, Chair, Department of Physics, UMass Dartmouth, North Dartmouth, MA 02747.** Deadline July 29, 1996. UMass Dartmouth is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minority candidates.

# POSTDOCTORAL RESEARCHERS



**The Genentech Postdoctoral Program consists of more than 50 Researchers and is a vibrant and intensive environment for advanced scientific training.**

**Postdoctoral Researchers conduct basic research in the areas of our scientific interest, publish in scientific journals, and attend and present work at scientific meetings. All candidates should have a PhD and/or MD degree with a strong background in the appropriate field.**

## Pharmacokinetics & Metabolism

A position is available to study the mechanisms of uptake and intracellular transport of growth factors, focusing on understanding the specific function(s) that ligands targeted to the nucleus play(s) in the overall biological response of the cell. Manager: Dr. Gilbert Keller. Reference: PDGK

## Endocrine Research

A position is available to explore the metabolic consequences of hormonal gene knockout or attenuation in models of human disorders, including disease and trauma. See Journal of Clinical Investigation 95:2258-2265 (1995); Endocrinology, Vol 1 (3rd ed), pp 280-302 (1995). Manager: Dr. Michael Cronin. Reference: PDMC

## Antibody Engineering

Positions are available to identify novel tumor and tumor vasculature antigens using antibody phage and to engineer human neutrophil elastase for ADEPT. Prior training required in two or more of the following areas: molecular biology, phage display, protein biochemistry or cancer biology. See PNAS 89 (1992); J. Exp. Med. 175 (1992) 217; PNAS 92 (1995) 1327; Cancer Research 55 (1995) 63; Chemistry and Biology 2 (1995) 223. Manager: Dr. Paul Carter. Reference: PDPC.

## Immunology

A position is available to investigate lymphocyte cell surface protein interactions with endothelial cells associated with inflammatory diseases. See J. Immunol. 155:5257 (1995); J. Cell Biology 125:1395 (1994); J. Biol. Chem. 269:14411 (1994). Manager: Dr. Sherman Fong. Reference: PDSF

## Molecular Biology

Positions are available to identify novel cell surface receptors and their ligands and to study receptor biology and cell signaling in variety of systems, including growth hormone, flt4, and gp130 receptor systems. See PNAS 92, 1142 (1995); JBC 270, 10915 (1995); JBC 270:7021 (1995); and Science 253, 1278 (1991). Manager: Dr. William Wood. Reference: PDWW

## Cardiovascular Research

A position is available to focus on the regulation of angiogenesis, investigating the role of VEGF and other factors in normal and abnormal angiogenesis by molecular, cellular and in vivo approaches. See Science 246, 1306 (1989); Science 255, 255 (1992); PNAS 89, 698 (1992); Nature 362, 841 (1993); NEJM 331, 1480 (1994); Nature 380, 439 (1996). Manager: Dr. Napoleone Ferrara. Reference: PDNF.

## Research Discovery

A position is available to study genes that control commitment and differentiation of hematopoietic cells as well as cytokine receptor signal transduction. Experience required in hematopoiesis, ES cell or transgenic technology. See Nature 369, 533 (1994); Science 265, 1445 (1994); PNAS 92 5292-5296 (1995); J. Exp. Med. 183, 651-656 (1996); Blood 87, 2154-2161 (1996). Manager: Dr. Frederic de Sauvage. Reference: PDFS

A position is available for an individual interested in the role of protein tyrosine phosphatases (PTPs) in hematopoietic stem cell development. Two novel PTPs have recently been cloned from embryonic stem/progenitor hematopoietic cells, and the candidate will analyze the role of these enzymes in the maintenance of the undifferentiated state of these cells. See Blood 85, 96-105 (1995); Blood 86, 4454-4467 (1995); Blood 87 497-490 (1996); Blood, in press (1996). Manager: Dr. Larry Lasky. Reference: PDLL

## Neuroscience

A position is available to study differentiation and regeneration of the inner ear hair cells. We have established hair cell progenitor cultures and developed immortalized cell lines from rat inner ear epithelium. See J. Neurosci. 15:5079 (1995); Development 120:1059 (1994); Neuron 6:705 (1991); Cell 68:841 (1992); Science 260:367 (1993). Manager: Dr. Wei-Qiang Gao. Reference: PDWG

A position is available to define the role of neurotrophic factors and eph tyrosine kinase receptor ligands in the survival, differentiation, axon guidance and synaptogenesis of CNS neurons. See Neuron, 14, 973-981 (1995); Ann. Neurol 38, 30-37 (1995); J. Biol. Chem. 269, 27679-27686 (1994); Neuron 7, 695-702 (1997); Neuron 4, 767-773 (1990). Manager: Dr. John Winslow. Reference: PDJW

## Protein Engineering

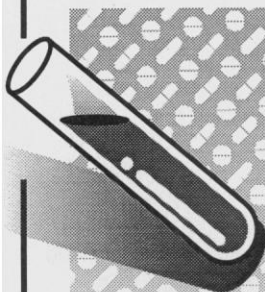
A position is available for a structural biologist with experience in crystallography and biophysical techniques. The work will also involve mutagenesis and protein biochemistry. See Nature 372, 478-481 (1994); Prot. Sci. 3, 1697-1705 (1994); J. Mol. Biol. 250, 553-570 (1995). Manager: Dr. Tony Kossiakoff. Reference: PDTK

A postdoctoral position in protein crystallography is available for structure determinations of proteins of medical interest. Experience in protein purification techniques is an advantage but not required. See J.Mol.Biol. 236, 289-29 (1994); Biochemistry 33, 10864-10870 (1994); Nature 372, 478-481 (1994); J.Mol. Biol. 256, 144-159 (1996). Manager: Dr. Bart de Vos. Reference: PDBD

Genentech offers an excellent salary and benefits package which includes free health club membership and fully paid medical, dental and vision coverage. **Please send your C.V. with 3 letters of recommendation to Genentech, Inc., Human Resources, Attn: Reference XXXX (see code in above job descriptions), 460 Pt. San Bruno Blvd., South San Francisco, CA 94080.** Genentech is an Equal Opportunity Employer. We value the contributions of our diverse workforce.

**Genentech, Inc.**

## *Insight scientific discovery*



Glaxo Wellcome, the world's largest pharmaceutical company, continues to reinforce its commitment to pioneering research and development efforts that respond to the existing and emerging needs of the global community. To explore new challenges in healthcare research, bring your expertise to our team in the following opening at our Corporate Headquarters located in Research Triangle Park, N.C.

### **RESEARCH SCIENTIST**

As a key member of our **Diversity Sciences Department**, this individual will pursue research in the area of solid- and solution-phase assays and detection methods for libraries in a novel microscale format. Duties will include acquiring receptors and enzymes in an appropriate form for assay (e.g. fluorescently labelled), developing an understanding of how these receptors and enzymes interact with different solid assay surfaces, ligand linkers, and implementing novel dispensing and imaging instrumentation for automating these assays.

This position requires a BS/MS or Ph.D. in a Biological Science with a minimum of 3 years experience with biochemical assays and ligand-receptor-surface interactions. Specific experience in running cell-based, receptor binding and enzyme inhibition assays is essential. Biochemical instrumentation experience is preferred.

The rewards of working at Glaxo Wellcome include an excellent salary and a flexible benefits package. For confidential consideration, send your resume, which **MUST** include position title and salary history, to: Human Resources, Job #ASC0670-1, Glaxo Wellcome, P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, Please) An Equal Opportunity Employer M/F/D/V

# **GlaxoWellcome**

Working Together for A Healthier World

## **National Cancer Institute Division of Basic Sciences Frederick Cancer Research and Development Center (FCRDC) Frederick, Maryland**

**Opening Date: April 22, 1996**

**Closing Date: August 19, 1996**

**Announcement Number: CA-96-0093**

### **Senior Scientist, HIV/AIDS Research Program**

The Division of Basic Sciences (DBS), National Cancer Institute (NCI), National Institutes of Health (NIH), is seeking senior scientist candidates to lead a world-class HIV/AIDS research program which will be newly established on the Frederick, Maryland campus of NCI amidst contract and intramural laboratories focused on HIV and AIDS research. The program, which may specialize in a number of areas of AIDS research from basic virology to AIDS-associated malignancies, will serve as a central component of NCI's fight against AIDS. An approximate annual budget of \$3.5 million will be provided and, in addition, 4,800 square feet of research space will be allocated for the program. The selected scientist will supervise several Principal Investigators.

The selected scientist will be responsible for ensuring the effective functioning of the program by creating and maintaining an interactive scientific environment that supports and enhances the independent research projects of the Principal Investigators within the program. The selected scientist is someone who possesses excellent scientific judgment, is able to recruit and mentor the best scientists, and possesses strong managerial skills while providing the "chemistry" of a successful scientific environment.

Candidates must hold a medical and/or doctoral-level degree in a biomedical or related field and must be recognized as a world-class leader in HIV/AIDS research. Candidates must also possess relevant experience in the administration and management of a research program in HIV/AIDS including planning and directing a program and evaluating its effectiveness. Experience in establishing priorities and allocating resources is also essential.

*Candidates must be either a U.S. citizen, a citizen of a treaty allied country, or a nonresident alien with a valid work visa.*

Total annual compensation will be commensurate with education and experience, and may be up to \$148,400.

Applicants should send the following: a cover letter of interest in the position, statement of research interests, curriculum vitae, bibliography, and the names and addresses of five individuals who can be contacted as references. Letters of reference should not be submitted by the applicant. The materials should be sent to:

**National Cancer Institute  
Human Resources Management Consulting  
Branch  
6120 Executive Boulevard  
Room 537, EPS  
Rockville, MD 20852**

Applications may also be faxed to (301) 402-9333.

If you need additional information, please call Ms. Toni McKeown, NCI, Human Resources Management Consulting Branch, on (301) 402-2812.

*Selection for this position will be based solely on merit, with no discrimination for non-merit reasons such as race, color, gender, national origin, age, religion, sexual orientation, or physical or mental disability.*

**NCI IS AN EQUAL OPPORTUNITY EMPLOYER**



**CEREGEN**  
INGENUITY IN AGRICULTURE

# GENOMICS AND BIOINFORMATICS

**SEARLE**

Monsanto Company, a leader in the application of biotechnology to agriculture and human health, has made a major new commitment in that area. It has initiated a significant effort to develop leading edge genomic technologies. These technologies will allow Ceregen, Monsanto's unit responsible for plant biotechnology, and Searle, Monsanto's pharmaceuticals unit, to collaborate in the development of technologies that reduce the time and cost of developing both traditional and biotechnology-derived products. We are looking for individuals to fill key positions to enable gene mapping and molecular breeding, high throughput sequencing and gene expression studies in plants, animals, and humans, as well as to provide the bioinformatics infrastructure necessary to use the resulting data.

## GENOME AND MOLECULAR BIOLOGISTS

Monsanto is recruiting innovative and technically superb individuals for regular staff positions to interact with broad multidisciplinary project teams. Candidates are required to possess Ph.D. or M.S. degrees with excellent molecular biology skills and experience in cDNA library construction and screening, YAC/BAC library construction and screening, and high throughput nucleic acid sequencing. Experience with genetics and positional map cloning strategies is desired. The demonstrated ability to develop and utilize cutting edge methodologies for improving and optimizing genomics research technologies is preferred. (Code: GMB)

## HIGH THROUGHPUT MOLECULAR BIOLOGY

Scientists with significant experience in high throughput sequencing and PCR as well as automated sample preparation will carry out EST and full-length cDNA sequencing projects, genomic sequencing to conduct positional cloning projects, and preparations of high density arrays of cDNA inserts. Requires a Ph.D. or M.S. in molecular biology as well as experience with robotics and high throughput sequencing. (Code: HTMB)

## MOLECULAR MARKER SCIENTISTS

Scientists with significant experience in molecular marker techniques and their applications in genome mapping, QTL analysis and plant breeding. Experience in corn, cotton, soybean or wheat strongly preferred. Besides basic molecular biology skills, knowledge of statistics, Mendelian and quantitative genetics, and plant breeding are strongly recommended. Applicants should have a Ph.D. or M.S. degree in molecular biology, genetics or plant breeding and be familiar with Mapmaker and various QTL analysis software. (Code: MMS)

## BIOINFORMATICS SCIENTISTS

These scientists, working closely with discovery research groups, will apply state-of-the-art tools and techniques in the analysis of genomic data to accelerate research in agriculture and pharmaceuticals. The candidates have a Ph.D. in molecular biology, bioinformatics, computational biology or a related discipline and two or more years of postdoctoral or equivalent experience in bioinformatics. A thorough knowledge of DNA and protein databases and sequence analysis software and techniques is essential. Familiarity with UNIX and programming experience with Perl, C, and/or SQL is highly desirable. (Code: Bios)

## GENOME DATABASES MANAGER

The successful candidate will implement and support Monsanto's plant genome databases, human and plant transcript imaging databases, and other biological databases. Experience with biology software and genome databases and a strong background in relational and object-oriented databases is required. (Code: GDM)

## COMPUTER SCIENTIST

The selected candidate will provide systems support and programming for Monsanto's genomics and bioinformatics group. Expertise in UNIX, C programming, WWW development, and integration of databases and software is required. An M.S. degree or equivalent experience in computer science, experience with bioinformatics software and databases, and a demonstrated ability to work in a fast-paced, multifunctional environment are desirable. (Code: BCS)

Please send cover letter and resume, stating position of interest, to:

**Monsanto**  
**Human Resource Dept.**  
**800 N. Lindbergh Blvd.**  
**Mail Zone G4EE**  
**St. Louis, MO 63167**

Monsanto is an equal opportunity employer. EOE M/F/D/V.

# Monsanto



# Pew

## Latin American Fellows Program in the Biomedical Sciences

### A Program of The Pew Charitable Trusts

**T**he Pew Charitable Trusts, one of the United States' largest private foundations, is sponsoring a program providing support for young scientists from Latin America for post-doctoral training in the biomedical sciences in the United States.

The Trusts will select 10 Fellows for awards in 1997. An award of \$40,000, administered by the sponsoring U.S. institution, will be provided for salary stipend for the Fellow for a two-year training period. Following the two-year training period, upon notification of the Fellow's return to his or her country, an additional \$35,000 award will be provided for the sole purpose of purchasing equipment and supplies to establish a laboratory at their home institution.

Applicants must have held their Ph.D. and/or M.D. degrees for no more than 5 years as of July 1, 1997. Applicants must not have had previous post-doctoral training outside of their home country. Fellows will be selected on the basis of their promise as outstanding investigators, as well as the scientific merit of their research proposal, their record of training, and how well their interests coincide with their host laboratories in the United States. The Program accepts candidates from Mexico, Central and South America.

To obtain further information and application materials, contact the Nominating Committee Chairman listed for your country at the right. The application deadline is October 1, 1996.

#### ARGENTINA

Dr. Israel Algranati  
Instituto de Investigaciones Bioquímicas  
Fundación Campomar  
Av. Patricias Argentinas 435  
1405 Buenos Aires, Argentina  
TEL: 863-4018 FAX: 865-2246

#### BRASIL

Dr. Carlos Eduardo Rocha Miranda  
Vice President  
Academia Brasileira de Ciencias  
Rua Anfilofio de Carvalho, 29, 3o Andar  
20030-060 Rio de Janeiro, RJ - Brasil  
TEL: 220-4794 FAX: 240-4695  
e-mail: cerm@abc.org.br

#### CHILE

Dr. Mario Luxoro  
Facultad de Ciencias, Universidad de Chile  
Departamento de Biología  
Casilla 653 (Correo Central)  
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TEL: 678-7226 FAX: 271-2983  
e-mail: facibiol@abello.dic.uchile.cl

#### MEXICO

Dr. Hugo Aréchiga  
División de Estudios de Posgrado  
e Investigación  
Facultad de Medicina UNAM  
Unidad de Posgrado 1er Piso  
Ciudad Universitaria  
04510 Mexico, D.F.  
TEL: 622-0725 FAX: 550-8859  
email: arechiga@servidor.unam.mx

#### ALL OTHER COUNTRIES

Ms. Silvia Montano  
Coordinator  
The Pew Latin American Fellows Program  
1388 Sutter Street, Suite #805  
San Francisco, CA 94109  
TEL: 415-476-5116 FAX: 415-476-4113  
email: montano@itsa.ucsf.edu

# BIOGEN

OUR EXPANDING UNIVERSE

In May 1995, we filed for U.S. regulatory approval of a new treatment for multiple sclerosis. We are now in the process of building the infrastructure and capabilities we will need to commercialize this drug, which is our first proprietary product. Our record of success to date is based on the hard work and dedication of our employees. We are now seeking a select number of committed professionals with strong values to join the Biogen team.

### Director - Biological Science

We are currently seeking a proven scientific leader to direct our efforts in the areas of molecular biology/molecular genetics. In this role, you will oversee the work of approximately forty talented individuals focused currently in areas of growth regulation, viruses, gene therapy and vascular biology. The successful candidate will hold a Ph.D. or M.D./Ph.D. in molecular sciences and have a minimum of ten years' experience. He/she will have a distinguished record of scientific achievement, a strong publication history and be well-versed in the use of molecular technique. Industry experience is desirable, but not required.

Biogen offers what few companies in our industry can - Professional Challenge, Stability, Growth, and one of the strongest financial profiles in the industry. In addition, our compensation and benefits package, including equity participation, is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, this is your opportunity to join our expanding universe. Please forward your resume to the address below.

Biogen, Dept. JT, Biogen, Inc., 14 Cambridge Center,  
Cambridge, MA 02142. FAX: (617) 679-2546

# BIOGEN

Biogen is an Equal Opportunity Employer.  
<http://www.careermosaic.com/cm/biogen>

## DIRECTOR

### Brain & Spinal Cord Research Centre

The University of British Columbia and  
The Vancouver Hospital and Health Sciences Centre

Applications are invited for the position of **Director** of the **Brain and Spinal Cord Research Centre** at the University of British Columbia (UBC) and the Vancouver Hospital and Health Sciences Centre (VHSC). We seek a senior neuroscientist (Ph.D. and/or M.D.) with an established, international reputation in research.

The Brain and Spinal Cord Research Centre, recently established to enhance the multi-disciplinary development of neuroscience research, will focus on fundamental and applied research avenues common to many neurological and psychiatric disorders. It will also form the hub of neuroscience education and training at UBC and VHSC. There are approximately 70 active neuroscience faculty members, with their associated research groups, at UBC and VHSC. UBC has maintained an active inter-departmental Graduate Program in Neuroscience with an annual enrollment of over 50 graduate students.

The Director will develop and lead the research and educational priorities of the Centre and will identify and actively pursue opportunities for fund development. The Director will report to the Dean of Medicine, UBC and the Vice-President, Research, VHSC. The successful candidate will also be appointed as a tenured Professor within an appropriate UBC department. Salary will be commensurate with qualifications and experience.

Qualified applicants are invited to submit their curriculum vitae, the names of three references, and a summary of their current research program to: **Dr. Martin Hollenberg, Chair, Brain and Spinal Cord Research Centre Search Committee, c/o the Faculty of Medicine, The University of British Columbia, 2194 Health Sciences Mall, Vancouver, B.C., CANADA V6T 1Z3.** Deadline for submission of applications is **August 31, 1996** and the anticipated starting date is Jan. 1, 1997.

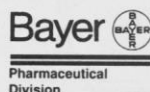
In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents. UBC and VHSC welcome all qualified applicants, especially women, aboriginal people, visible minorities and persons with disabilities.

**M**uch of the success of Bayer Corporation, Pharmaceutical Division, is based on innovation and research. At the same time, all of our success is based on the talent and drive of our people. As an integral part of Bayer, a \$26.8 billion global leader, we have the resources to provide our employees with a supportive, state-of-the-art, multidisciplinary environment that encourages their professional growth and makes our success possible. Join our dedicated team of professionals in the following position:

### Graduate Scholar

We are seeking a recent Ph.D./MD graduate scientist with formal training in the area of cell/molecular biology focused on research problems related to eukaryotic gene expression/regulation. You will participate in a project involving genes expressed in transgenic animals and cell lines, with the ultimate purpose of better understanding mechanisms of metabolic regulation relevant to fuel homeostasis. Experience with transgenic animal work, including ES cell technology, would be a major asset. Experience in the analysis of promoter structure and function or eukaryotic transcription in general is highly desirable. Cell culture skills are essential.

We offer attractive compensation and generous benefits. For immediate consideration, please forward a resume, including salary history, to: **Bayer Corp., Pharmaceutical Division, Dept. ELJF, 400 Morgan Lane, West Haven, CT 06516.** No phone calls please. An Equal Opportunity Employer M/F/D/V, Bayer Corp. is committed to creating and maintaining cultural diversity within our work environment.



## MYRIAD GENETICS, INC.

Myriad Genetics, located adjacent to the University of Utah in the foothills of the Wasatch Mountains, is a publicly-held genomics company focused in the isolation of significant disease-causing genes. We have the following positions currently available:

### RESEARCH ASSOCIATES

Requires a MS or BS degree and a minimum of two years experience in molecular biology.

### SEQUENCE ANALYSTS

Requires a minimum of a BS degree, as well as experience in DNA sequence analysis, sequence alignment and contig assembly.

We offer a competitive compensation package and a highly stimulating interactive environment. Please send or fax a letter of interest specifying position, a complete resume and the name of three professional references to: Barbara Berry, Human Resources Dept., Myriad Genetics, Inc., 390 Wakara Way, Salt Lake City, UT 84108. Fax: 801-584-3640. Equal Opportunity Employer.



# BIOGEN

## OUR EXPANDING UNIVERSE

In May 1996, we received a license to market Avonex™. This accomplishment improves our record of success and is based on the hard work and dedication of our employees. We are now seeking committed professionals with strong values to join the Biogen team in the following positions:

### Scientist – Virology/Cell Biology

In this newly created role, you will direct the development, validation, and implementation of viral testing procedures, both internally and at contract laboratories. Initially, you will manage the contract testing, liaise with Regulatory agencies and other biotech companies on improving viral testing and prevention, and eventually build an internal group to conduct this testing. Also, you will assist with creating and optimizing assay specific cell lines for potency and pharmacokinetic assays. We seek a Ph.D. in Virology or Cell Biology with at least 5 years' postdoctoral experience with viral assays, transfections, PCR and cell line optimization. Additionally, industry experience with knowledge of cGMPs and regulatory agencies preferred. The successful candidate will be able to work with minimal supervision, possess strong communication skills and be willing to travel when necessary.

### Bioassay Scientist

The initial focus of this new position will be to apply new technologies in the development of improved assays for current and future products. You will be responsible for the development and validation of immunoassays, bioassay and biochemical assays for use in the testing, release, stability, process development, pre-clinical, toxicology and clinical samples. The position requires a Ph.D. in Cell Biology or Immunology with at least 3 years' postdoctoral experience in the development of immunological and biological assays. Experience working with signal transduction pathways and reporter gene assays is strongly desired. Strong communication and record keeping skills as well as industry and cGMP experience preferred.

### Process Scientist - Biophysical Protein Chemistry

We currently seek a highly motivated Scientist to develop new therapeutic protein formulations. Requirements include a Ph.D. in an appropriate specialty and publications covering some aspect of biophysical protein chemistry (e.g., spectroscopic, thermal or hydrodynamic analytical methods.) Ideally, you will have protein formulation and lyophilization cycle development experience. Additional desirable experience includes performing technology transfer of processes to an aseptic filling environment operating under GMP, use of statistical experimental design, and application of separation methods to study protein decomposition products. Excellent written and communication skills are required. Qualified candidates will possess a Ph.D. in Chemistry/Biochemistry. Post-doctoral research is desirable.

Biogen offers what few companies in our industry can —Professional Challenge, Stability, Growth, and one of the strongest financial profiles in the industry. In addition, our compensation and benefits package, including equity participation, is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, this is your opportunity to join our expanding universe. Please forward your resume to:

Dept. DP/S, Biogen, Inc., 14 Cambridge Center,  
Cambridge, MA 02142. FAX: (617) 679-2546

# BIOGEN

Biogen is an Equal Opportunity Employer.  
<http://www.careermosaic.com/cm/biogen>



**The Division of Cardiovascular Diseases** of the Mayo Clinic and Foundation invites applications for an established investigator position at the rank of Associate or full Professor. Applicants should have an M.D. or Ph.D. degree and an established record of accomplishment in basic cardiovascular research such as in molecular or cellular biology which focuses upon endothelial, vascular smooth muscle or cardiac myocyte biology. Excellent institutional resources and long-term support are available. Written applications including CV, three letters of recommendation and a description of research interests should be sent to: **John C. Burnett, Jr., M.D., Cardiovascular Chair for Research, Director, NIH Cardiovascular Research Training Program, Mayo Clinic, 200 First Street, SW, Rochester, MN 55905.** Applications will be considered until September 1, 1996. *Mayo Foundation is an affirmative action and equal opportunity educator and employer.*

### **EPIDEMIOLOGIST (Virology)**

**World Health Organization  
Geneva, Switzerland**

The National Center for Infectious Diseases (NCID), Centers for Disease Control and Prevention (CDC), is seeking qualified applicants for a Virologist position (GS-601-15) for assignment to the World Health Organization (WHO). The incumbent will serve as a principal scientific and technical advisor to the Director, NCID, and will work under the Director, Division of Emerging and other Communicable Diseases Surveillance and Control, WHO. Responsibilities will include the development and implementation of global surveillance, investigational, and prevention and control activities related to emerging and re-emerging viral diseases, including arbovirus diseases and viral hemorrhagic fevers.

Qualifications require significant experience in viral diseases and the ability to plan, implement, and manage infectious disease programs. Doctoral degree preferred.

Salary range, GS-15, is \$69,300 to \$90,090. Additional benefits include quarters/housing allowance, educational expenses, and cost-of-living allowance.

Interested candidates may send their curriculum vitae in confidence along with the names of three professional references postmarked no later than 7/30/96, to **Janie L. Oddy, Human Resources Management Office, Centers for Disease Control and Prevention (K15), 4770 Buford Highway, Atlanta, GA 30341-3724.** EOE.

### **MOLECULAR TOOL, INC.**

Molecular Tool, a GeneScreen company, is a recognized leader in the development and commercialization of highly integrated genetic analysis technologies. The company has the following openings for highly-motivated, team-oriented scientists.

**Group Leader-Core Technology**—Candidates must have a Ph.D. in biochemistry or molecular biology and 1-3 years of industrial experience in managing an interdisciplinary team of Ph.D. and M.S. level scientists. The group will focus on development of innovative biochemical approaches to genetic analysis to support the industry-leading genetic testing services offered by GeneScreen and new product applications.

**Biochemist/Molecular Biologist**—Molecular Tool also has an exciting opportunity for a Ph.D. biochemist with 0-2 years of postdoctoral training to join its technology development group. Candidates must have a Ph.D. in biochemistry or a related field and experience in nucleic acid biochemistry and enzymology. Postdoctoral research experience in molecular genetics is a plus. The selected candidate will work with a multidisciplinary team on the development and implementation of DNA diagnostic products.

Situated on the Johns Hopkins Bayview Campus in Baltimore, Maryland, Molecular Tool provides a stimulating scientific environment which encourages individual initiative and creative thinking, coupled with a competitive salary and benefits package. Interested candidates should send a resume and salary history, together with the names of three professional references, to: **Human Resources, Molecular Tool, Inc., Alpha Center, 5210 Eastern Avenue, Baltimore, MD 21224.** NO PHONE CALLS PLEASE.



### **Myles H. Thaler Center for AIDS and Human Retrovirus Research UNIVERSITY OF VIRGINIA FACULTY POSITION**

A tenure track position at the Assistant or Associate Professor level is available for a physician-scientist with expertise in any area of HIV or AIDS-related research. The appointment will be jointly made by the Center and an appropriate medical school department. The successful applicant will be expected to devote at least 80% effort to laboratory research and establish a strong independent research program that is complementary to other programs in the Center. Applicants should have an M.D. with additional clinical training and significant postdoctoral research experience. A competitive startup package with newly renovated laboratory space and strong support facilities will be available.

#### **POSTDOCTORAL RESEARCH ASSOCIATE POSITIONS**

The Center has several positions available for research in the laboratories of Dr. David Camerini, Dr. Marie-Louise Hammarström, or Dr. David Rekosh. Current research projects include studies on: (1) HIV pathogenesis in the SCID-hu mouse; (2) Gene therapy approaches for the treatment of HIV infection; (3) RNA transport mediated by the HIV-1 Rev protein and CTE's from simpler retroviruses; (4) The development of HIV as a vector for gene delivery; (5) HIV assembly and RNA packaging; (6) The role of co-receptors (fusins) in HIV entry and pathogenesis; (7) Mechanisms underlying HTLV-I mediated disease.

Applicants should apply to the appropriate search by submitting a curriculum vitae, a brief statement of research interests, and the names of three references to: **Faculty or Research Associate Search, c/o Dr. David Rekosh, Thaler Research Center, Health Sciences Center Box 441, The University of Virginia, Charlottesville, VA 22908.**

*We strongly encourage applications from women and minority groups. The University of Virginia is an Affirmative Action/Equal Opportunity Employer.*

# CELLULAR & MOLECULAR CANCER RESEARCH

The College of Medicine and the H. Lee Moffitt Cancer Center & Research Institute at the University of South Florida are seeking applications from Assistant, Associate and Full Professor level individuals to participate in the Cancer Center Research Programs under a stimulating academic environment that includes excellent laboratory and clinical facilities. Applicants must have a demonstrated track record in cancer research preferably related to one or more of the Cancer Center's established programs. Research programs include:

- Immunology
- Cancer Genetics
- Molecular Oncology
- Cancer Cell Biology

Successful individuals must hold an M.D. or Ph.D. degree with a minimum of 2 years post-doctoral training. Individuals at the rank of Associate Professor must have a demonstrated potential for extramural funding. Individuals for Full Professor must have a proven track record of independent research, leadership ability and training experience as evidenced by publications and extramural funding. Academic rank and salary will be commensurate with experience and qualifications. These positions will be assigned to a specific, mutually agreed upon department within the College of Medicine with the possibility of tenure.

Send current curriculum vitae and a brief statement of major academic interests to W.J. Pledger, Ph.D., Associate Center Director for Basic Research, Moffitt Cancer Center, 12902 Magnolia Drive, Tampa, Florida 33612. Applications must be postmarked by deadline of September 6, 1996.

The H. Lee Moffitt Cancer Center & Research Institute is a free-standing Cancer Center located adjacent to the Health Sciences Center on the Tampa campus of the University of South Florida. In addition to a 162-bed full service cancer treatment facility, the Center has research laboratory space in four buildings including over 50,000 square feet of dedicated laboratory and support space in a new Cancer Research Center.



**H. LEE MOFFITT CANCER CENTER  
& RESEARCH INSTITUTE**  
University of South Florida College of Medicine

The University of South Florida is an  
Equal Opportunity/Equal Access/Affirmative Action Employer.  
For disability accommodations please call (813) 979-6741,  
a minimum of five working days in advance. TDD# 813-974-2218

Biotechnology

# COHESION CORPORATION

**COHESION CORPORATION** is an affiliate company of **COLLAGEN CORPORATION** and is engaged in the discovery, development and commercialization of bioresorbable materials for guided tissue repair and regeneration. Proprietary technologies using fibrin/collagen, hydrophilic polymers, and collagen are targeted for use in the fields of tissue adhesives, biosealants, and adhesion prevention. These cutting-edge opportunities are market segments valued at over \$1 billion. As we look forward to bringing first generation products to clinical trials in 1997-98, we seek the following professionals to join our technology-driven team.

## BIOLOGIST

PhD in biological science with a focus on biopolymers and biocompatibility and 2-3 years' medical device/biologic experience.

## BIOCHEMIST

PhD in biochemistry with a focus on biopolymers and synthetic polymers and 2-3 years' medical device/biologic experience.

## BIOCHEMIST/COAGULATION CHEMIST

PhD in biochemistry with a focus on coagulation chemistry, hemostasis and biopolymers and 5 years' medical device/biologic/pharmaceutical experience.

## POLYMER CHEMIST

PhD with 5 years' experience in discovery, development and manufacture of biopolymers and/or biomedical hydrophilic polymers.

## PROGRAM DIRECTOR

MD or PhD in biological science with 5 years' experience leading teams in the successful development of medical devices for surgery in Cohesion's fields.

## SENIOR CLINICAL SCIENTIST

MD with 3-5 years' experience in the design, implementation, and analysis of clinical trials for surgical devices, ideally related to resorbable biomaterials as tissue adhesives, or in adhesion prevention.

We offer a competitive salary and benefits package. For consideration, send your CV/resume, indicating the position of your interest, to: Cohesion Corporation, 2500 Faber Place, Dept. GL, Palo Alto, CA 94303. We are an equal opportunity employer M/F/D/V.



## POSITIONS OPEN

### TENURE-TRACK FACULTY POSITION CELL BIOLOGY AND BIOPHYSICS

The School of Biological Sciences of the University of Missouri-Kansas City (UMKC) invites applications for a tenure-track **ASSISTANT** or **ASSOCIATE PROFESSOR** in the Division of Cell Biology and Biophysics. Consideration will be given to applicant research areas emphasizing molecular, biophysical, cellular, or genetic approaches to eukaryotic or prokaryotic problems and compatible with the School's research focus on biomolecular structure and recognition. We seek an outstanding individual with at least two years of postdoctoral training, demonstrated potential to establish independent, extramurally funded research programs, and exemplary communication and supervisory skills. Teaching activities will involve participation in the School's doctoral programs, biological sciences undergraduate curricula, and/or health science-related courses. Competitive salaries, newly renovated research space, start-up funds, and excellent research core facilities are available. Review of applications will begin October 15, 1996, and continue until the position is filled. Submit curriculum vitae with summary of present and future research interests, and request that three letters of recommendation be forwarded to: **CBB Search Committee, School of Biological Sciences, BSB-403, 5007 Rockhill Road, University of Missouri, Kansas City, MO 64110-2499.**

### RESEARCH IMMUNOLOGIST

The Division of Infectious Diseases, Department of Medicine, and the Department of Microbiology and Immunology at the University of Kentucky School of Medicine invite applications for a tenure-track faculty position at the **ASSISTANT** or **ASSOCIATE PROFESSOR** level with emphasis on the study of murine lung immune responses to infectious diseases. A Ph.D. or equivalent and postdoctoral experience in the study of microbial pathogenesis, especially virology and/or parasitology, is desirable. The successful applicant will be responsible for maintaining a competitive research program in conjunction with the division director, **Dr. Claire Pomeroy**, and collaborating with other faculty and trainees. Ability to generate an independently funded research program is required. Applicants should submit a curriculum vitae, summary of research interest, and names of three references to: **Division of Infectious Diseases, Room K524, Kentucky Clinic, University of Kentucky Medical Center, Lexington, KY 40536-0284.** Applications will be accepted until July 1, 1996.

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

**ASSISTANT PROFESSOR**—Maize Genetics and Breeding, tenure-track, research and teaching. Department of Agronomy, Purdue University. Individual will be expected to establish productive interactions with industry, develop a strong publication record, attract extramural funding, teach an undergraduate course in genetics, and participate in the departmental graduate education program. Competitive salary and generous benefits package. Applications accepted until position is filled; reviews to begin 15 August 1996. Send letter of application with research and teaching philosophies and professional goals; complete résumé; and four references to: **Dr. William W. McFee, Head, Department of Agronomy, 1150 Lilly Hall, Purdue University, West Lafayette, IN 47907-1150. Telephone: 317-494-4774; FAX: 317-496-2926.** An Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

### SENIOR RESEARCH TECHNICIAN

Requires extensive documented experience in molecular biology including sequence analysis, cloning, mutagenesis, PCR, protein expression, transfection, cell culture. Previous experience working with HIV desired. Team player. Please send curriculum vitae to: **Beatrice Hahn, M.D., University of Alabama at Birmingham, 701 South 19th Street, 613 LHRB, Birmingham, AL 35294.**

### BIOLOGY

Instruction to include teaching anatomy and physiology to beginning nurses and biology majors. Doctorate required. Candidate will sign an evangelical statement of faith in the Wesleyan tradition. Send dossier to: **Dr. Paul D. Collord, Vice President for Academic Affairs, Indiana Wesleyan University, 4201 South Washington Street, Marion, IN 46953. Email: pcollord@indwes.edu.**

## POSITIONS OPEN



### CHAIRPERSON

Department of Pharmacology  
Department of Anatomy  
Ponce School of Medicine

Applications are invited for **TWO POSITIONS**: Professor and Chair of the Department of Pharmacology, and Professor and Chair of the Department of Anatomy, at the Ponce School of Medicine, available on July 1, 1996.

Candidates must have qualifications to concur with the missions of medical education, research, and other scholarly activities. Please send letter of interest/curriculum vitae to: **Ana A. Padro, M.D., Dean for Academic Affairs, Ponce School of Medicine, P.O. Box 7004, Ponce, PR 00732.** The Ponce School of Medicine is an Equal Opportunity/Affirmative Action Employer.

### NATIONAL INSTITUTES OF HEALTH (NIH)

National Institute on Alcohol Abuse  
and Alcoholism (NIAAA)

and the  
Office of Alternative Medicine (OAM)  
Bethesda, Maryland

The NIAAA and OAM invite motivated and highly qualified physicians to apply for a unique three-year **RESEARCH FELLOWSHIP**. Research protocols will examine the efficacy of acupuncture and alternative medicine techniques on alcohol relapse utilizing state-of-the-art neurochemical and neuroimaging techniques. Training in acupuncture and neuroimaging techniques and core course curriculum provided by both the Clinical Center at the NIH and the OAM will complement the rich intellectual environment of the NIH. The Board-certified/Board-eligible applicant must have completed an accredited residency program and must be licensed to practice medicine. Applicants should send a letter of interest, curriculum vitae, and three letters of recommendation to: **Markku V. Linnoila, M.D., Ph.D., Scientific Director, National Institute on Alcohol Abuse and Alcoholism, Building 10, Room 3C103, 10 Center Drive MSC 1256, Bethesda, MD 20892-1256.** For more information call **Joseph R. Hibbeln, M.D., Chief, Outpatient Clinic, NIAAA. Telephone: 301-443-2716; Email: JHIBBELN@DIBR.NIAAA.NIG.GOV.** Deadline for receipt of applications: August 1, 1996.

*NIH is an Equal Opportunity Employer.*

### RESEARCH POSITIONS

Molecular Neurobiology of Drug Abuse

**FELLOW** and **SENIOR FELLOW** positions are available to pursue the molecular neurobiology and genetics of drug abuse. Candidates should have expertise in molecular biology and/or molecular genetics, with preference given to experience in neuropharmacology. Ongoing work examines the structure and function of the dopamine transporter/cocaine receptor,  $\mu$  opiate receptor/heroin receptor, genes regulated by abused drugs, and genes important for interindividual differences in substance abuse vulnerability in animal models and humans. If you hold a doctoral degree(s) and would like to be considered for a position, please send a cover letter, curriculum vitae with bibliography, statement of research interests and goals (not to exceed two pages), and three letters of recommendation to: **G. R. Uhl, M.D., Ph.D., Molecular Neurobiology, NIDA/NIH, P.O. Box 5180, Baltimore, MD 21224.** Competitive salary levels with full benefits. An Equal Opportunity Employer. Candidates must be U.S. citizens or permanent residents.

Marine Science/Management: **ASSOCIATE DIRECTOR**, MS-AL Sea Grant Consortium, Ocean Springs, Mississippi. Duties: Principal Deputy to Executive Director; long-range planning; development and monitoring of university-based marine research, education, advisory service program. Qualifications: strong background and experience in a biological discipline appropriate for Sea Grant; earned doctorate or other advanced degree; publication record in refereed literature. Salary commensurate with qualifications. Position available September 1, 1996. For position announcement/application contact: **Personnel Office, Gulf Coast Research Laboratory, P.O. Box 7000, Ocean Springs, MS 39566-7000.** Affirmative Action/Equal Opportunity/American Disabilities Act Institution.

## POSITIONS OPEN

### MOSQUITO BIOLOGIST (Mosquito Biology/Medical Entomology) University of California-Davis

The Department of Entomology invites applications for an 11-month **TENURE-TRACK** position at the UC Mosquito Control Research Laboratory at the Kearney Agricultural Center. Appointment will be at the Assistant Entomologist level (100% research) in the Agricultural Experiment Station. Ph.D. in a biological science with training and experience appropriate to development of a comprehensive research program in a field relevant to the biology and control of mosquitoes. A background in mosquito biology is desirable; however, candidates with expertise researching non-vector insects and a desire to develop an active mosquito research program are encouraged to apply. Candidate will be expected to develop a vigorous research program on innovative strategies for understanding and controlling mosquito populations and to develop extramural and intramural sources of funding from state and federal sources. Salary will be within the pay schedule for the Assistant Entomologist rank. Position available January 1, 1997. Send letter of application, brief statement of research and career goals, curriculum vitae, transcripts, reprints, and names and addresses of three references to: **Mosquito Biology Search Committee, Department of Entomology, University of California, Davis, CA 95616-8584.** Open until filled but to ensure consideration applications should be submitted by August 31, 1996. *The University of California-Davis is an Equal Opportunity/Affirmative Action Employer.*

Two **POSTDOCTORAL POSITIONS** are available for NCI/NIH-funded projects. One project involves hormonal regulation of cell cycle arrest and signal transduction. Another is centered on the molecular basis of drug-induced apoptosis. A Ph.D. or M.D. degree and research experience in molecular biology are required for the positions. Competitive salary, benefits, and research environment. Send curriculum vitae, a statement of research experience and interests, and two letters of reference to: **Dr. Weimin Fan, Department of Pathology and Laboratory Medicine, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425. FAX: 803-792-4157; Email: fanw@musc.edu.** Equal Opportunity Employer.

### POSTDOCTORAL POSITION Antibody Display Libraries

Available July 1, 1996 to qualified applicant with Ph.D. degree (or equivalent) and background in the construction, evaluation, and screening of phage display libraries. Anticipated projects include construction and screening of antibody display libraries from lymphocytes of young and elderly individuals for carbohydrate recognition; screening and analysis of anti-DNA specificity. Interest in further molecular and structural characterization desirable. Please send curriculum vitae and three letters of recommendation to: **Dr. Marko Z. Radic, Center for Immunobiology, Allegheny University, 2900 Queen Lane, Philadelphia, PA 19129. Email: radic@medcolpa.edu.**

### ENHANCED POSTDOCTORAL POSITION

Opportunity for Ph.D. with proven experience in molecular biology and production of transgenic mice to join extremely well-funded group investigating the molecular basis of cardiopulmonary signal transduction using transgenesis. Position provides a dedicated full-time technician and an excellent transgenic/knockout facility that carries out injections, clips, animal care, etc. Excellent salary and benefits. Potential for advancement to faculty status. Send curriculum vitae and three letters of recommendation to: **Dr. Stephen B. Liggett, University of Cincinnati Medical Center, 231 Bethesda Avenue, Room 7511 MSB, Cincinnati, OH 45267-0564.**

**POSTDOCTORAL POSITION** available to investigate the mechanisms that contribute to pathological alterations of the cytoskeleton during apoptosis and in response to oxidative stress. The position offers opportunity for research in an established, well-equipped lab that studies neurodegenerative processes related to Alzheimer's disease at one of the top 20 NIH-funded research institutions. Experience in biochemistry/molecular biology is essential; cell biology experience desirable. Send curriculum vitae and the names of three references to: **Dr. Gail V. W. Johnson, SC 1061, University of Alabama at Birmingham, School of Medicine, Birmingham, AL 35294-0017. Email: neur012@uabdp.dpo.uab.edu.**

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# NIH

## Unlimited Research Opportunities

(We will even repay your student loans.)

Almost 15% of the NIH's current \$1 billion HIV/AIDS budget is devoted to HIV/AIDS research conducted at its 306 acre campus in Bethesda, Maryland. Located close to the center of Washington, DC, the NIH employs nearly 4,000 doctoral level scientists. The NIH is home to the Warren Grant Magnuson Clinical Center, the world's largest biomedical research hospital and ambulatory care facility.

A variety of opportunities exist for experienced biomedical researchers as well as for trainees who are interested in joining the NIH AIDS research team. The current NIH AIDS effort encompasses work on the etiological agent, pathogenesis, therapeutics, vaccine development, behavioral intervention, and the epidemiology and natural history of HIV infection.

Accredited training programs, with HIV/AIDS relevancy, are available in the following areas, and just a two year employment commitment may qualify you for the Loan Repayment Program for AIDS Research (LRP).

- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| ■ Allergy and Immunology             | ■ Infectious Diseases                |
| ■ Anatomic Pathology                 | ■ Internal Medicine (PGY-3)          |
| ■ Clinical and Laboratory Immunology | ■ Medical Oncology                   |
| ■ Critical Care Medicine             | ■ Oral Medicine                      |
| ■ Cytopathology                      | ■ Pediatric Hematology/Oncology      |
| ■ Dermatology (PGY-3 and above)      | ■ Psychiatry (PGY-4 and above)       |
| ■ Gastroenterology                   | ■ Radiation Oncology                 |
| ■ Hematology                         | ■ Transfusion Medicine/Blood Banking |

The LRP provides a maximum of \$20,000 per year repaid to your educational lenders as well as reimbursement for Federal, State and local tax liabilities. LRP benefits are in addition to attractive Federal salaries. Our ability to make accelerated repayments has enabled us to reduce significantly the educational debt burden of our participants and prevented the accrual of large amounts of interest, allowing them to pursue biomedical research careers.

To obtain the Applicant Information Bulletin, call the 24-hour LRP InfoLine at 1-800-528-7689 (TTY: 1-888-352-3001). To learn more about the LRP, stop by the NIH Office of AIDS Research booth at the XI International Conference on AIDS. For information on additional Loan Repayment Programs and NIH Research and Training Opportunities, visit our new website at <http://helix.nih.gov:8001/oe>

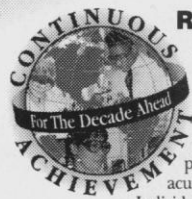


NIH EDUCATIONAL LOAN REPAYMENT AND SCHOLARSHIP PROGRAMS

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# genzyme

**Moving forward.** With a new manufacturing facility, expanding global markets, and constant scientific innovation, Genzyme has become a major, diversified healthcare products company. **Making progress.** Our people are enthusiastic and focused, achieving success in the areas of therapeutics, diagnostic products and services, as well as pharmaceuticals and fine chemicals. **Looking ahead.** Many words can describe a goal, an achievement, or even an opportunity. But only one word can describe an opportunity like this. **Genzyme.**



## RESEARCH SCIENTIST - Pharmacokinetics/Toxicology Framingham, Massachusetts

Design, perform (or monitor), analyze, and report preclinical pharmacokinetic and safety studies in support of IND, NDA and MAA submissions.

Ideal candidate holds a Ph.D. in Toxicology, Pharmacology (with an emphasis on pharmacokinetics), or related science and at least 2 years' post-doctoral experience, preferably in industry. Must have hands-on experience performing pharmacokinetic and acute and subacute safety studies. Experience working with recombinant proteins a plus. Individual must possess strong organizational, interpersonal, communications, and computer skills.

## PRINCIPAL SCIENTIST/ASSOCIATE DIRECTOR - Pharmacology Cambridge, Massachusetts

Develop protocols and manage toxicology and PK/Bioavailability and efficacy studies for final dosage form programs. Conduct pilot studies at Genzyme to support pivotal GLP studies at contract facilities. Assist in evaluating licensing opportunities and new discovery targets.

Requires Ph.D. or DVM with 5-10 years' experience in pharmacology within the pharmaceutical industry. Expertise in toxicology, PK/Bioavailability studies and drug metabolism. Therapeutic background in immunomodulation, inflammation or cancer preferred.

Qualified candidates should forward their resume to: Genzyme Corporation, Human Resources Dept., Code: Pharm, One Kendall Square, Cambridge, MA 02139 or fax directly to our scanner (without a fax cover sheet): (617) 374-7427.

Genzyme uses optical scanning technology for its resume tracking system. Please use a 12 point font with minimal use of bullets, italics, underlining and bolding.

*Genzyme rewards success with an excellent compensation and benefits package, including 3 weeks' paid vacation, a 401(k) plan with a company match, extensive insurance benefits and an Employee Stock Purchase Plan. An equal opportunity employer committed to a culturally diverse workforce.*

ADVANCING HEALTHCARE PRODUCTS AND SERVICES WORLDWIDE

A position is available in the Developmental and Metabolic Neurology Branch, NINDS, NIH. The position is specifically targeted to the study of the molecular and cellular characterization of Niemann-Pick C disease. This mutation affects normal lysosomal translocation of endocytosed LDL cholesterol and provides a pivotal key to our understanding of the mechanisms governing intracellular cholesterol trafficking and processing. Candidate's work will be in concert with a team of neurologists, neuropathologists, cytologists, molecular biologists and cellular biologists with an active and productive interest in this field. Numerous resources including animal models of NP-C, a large bank of human NP-C cell lines, drugs to reversibly alter trafficking, and candidate genes and proteins thought to be involved in the transport will be available for these studies.

Qualifications include a Ph.D. or M.D., less than five years of postdoctoral experience with a strong emphasis in cell biology and a productive research record. Qualified applicants should send curriculum vitae and 3 references to:

**Dr. Peter G. Pentchev**  
Building 10, Room 3D-04  
DMNB, NINDS  
9000 Rockville Pike  
Bethesda, MD 20892  
Tel: (301) 496-3285  
Fax: (301) 496-9480  
E-mail pentchev@codon.nih.gov.

NIH is an Equal Opportunity Employer

## IN IT FOR LIFE.

Since opening our doors back in 1980, Genetics Institute has discovered a prodigious number of novel regulatory proteins. To date, nine of these have advanced to human clinical evaluation or commercialization, and the outlook for continued innovation is unprecedented.

Our success as one of the largest biotechnology employers in Massachusetts has been fueled by our collaborative work environment focused on the future. This culture attracts and inspires some of the brightest minds whose ideas sustain us as a leader in the industry. Join us in making even more advancements that improve quality of life for all of us:

### DOCTOR OF VETERINARY MEDICINE

We are seeking a Doctor of Veterinary Medicine, preferably with ACLAM board certification, to develop *in vivo* models for the assessment of early candidate protein pharmaceuticals and to lend support for later stage development projects. Responsibilities include managing an *in vivo* research services group, providing technical assistance for a variety of studies, and supporting several aspects of the animal care and use program. This involves planning, training, and coordinating staff to properly conduct studies, as well as providing training for *in vivo* and aseptic techniques and surgical procedures. Qualified candidates must possess a minimum of 2-5 years of post-graduate training in research using animal models of disease. Experience in developing suitable *in vivo* models needed for the evaluation of early candidate pharmaceutical agents is essential.

Genetics Institute offers competitive salaries and benefits, including comprehensive health care, dental and life insurance, three weeks' paid vacation, 401(k) stock purchase plan, relocation assistance, and an on-site exercise facility.

For consideration, please send or fax resume, suitable for scanning into our database, to: Human Resources Department, Genetics Institute, Inc., 87 CambridgePark Drive, Cambridge, MA 02140. Fax: (617) 876-8847. Genetics Institute is dedicated to building strength through diversity.

GENETICS  INSTITUTE®

*Harnessing the Body's Power to Heal™*

### Postdoctoral Positions in Molecular and Cellular Biology

Postdoctoral positions are immediately available for highly motivated scientists with Ph.D. in molecular biology/biochemistry to study the molecular mechanism by which retinoids regulate epidermal cell growth, differentiation, and apoptosis. The positions require demonstrated research excellence and strong communication skills. Applicants with extensive experiences in *in situ* hybridization, immunohistochemistry, and flow cytometry will be preferred. Preference will also be given to those who can join us prior to September 1, 1996.

Candidates are expected to use transgenic and/or knockout mouse models to study retinoid signaling in skin and identify retinoid-targeted genes. Experiments will involve Southern/Northern/Western blotting, gel electrophoretic mobility supershifts, PCR-based technology, *in situ* hybridization and immunostaining, histological analysis, and flow cytometry.

In the fall of 1996, our retinoid research group will be relocated to totally reconstructed and modernized laboratories next to the state-of-the-art Biomedical and Transgenic Animal Core Facilities of the University of Michigan Medical School. The positions offer competitive salary based on qualifications and experience of the candidates and provide long-term stable research funding and excellent opportunities for career development. Applicants send CV to: Dr. Jia-Hao Xiao, Department of Dermatology, University of Michigan, 1301 E. Catherine, Kresge I Building, Room 6558, Ann Arbor, MI 48109-0528. Tel: (313) 936-1910. Fax: (313) 747-0076.

## The Science of Agricultural Genetics

### POSTDOCTORAL RESEARCH ASSOCIATE Crop Protection - Plant Pathology (Job #CP-601)

The purpose of this position is to pursue mechanisms of disease resistance in maize with emphasis on signal transduction and active oxygen metabolism. This position will involve gene cloning and analysis, and evaluation of gene function by reverse genetics. Other duties may include development of biochemical assays, inhibitor studies, and evaluation of greenhouse or field grown maize. Resources available to the researcher include an ongoing large-scale maize cDNA sequencing project, a system for identifying transposon mutants, and a large and diverse group of scientists working on molecular aspects of crop improvement. A Ph.D. in a relevant discipline, and familiarity with molecular biology methods including PCR, Southern blots, gene cloning, and vector construction, is required. Experience in the molecular biology, biochemistry, or genetics of host-pathogen interactions is an asset.

We offer competitive salaries and excellent, comprehensive benefits such as 401(k), tuition and relocation reimbursement. Des Moines is a prospering heartland city that ranks well above the national averages in affordability and education. Our location provides a mix of beautiful open spaces and city life advantages. For confidential consideration send 3 copies of your resume and cover letter indicating job number by July 12, 1996 to: Pioneer Hi-Bred International, Inc., Attn: PERSONNEL (Job #CP-601), P.O. Box 1004, Johnston, IA 50131-1004.

Pioneer Hi-Bred International, Inc., is the world leader in agricultural genetics. Founded in 1926, we are a publicly held company that invests more than \$115 million in research and product development. Pioneer® brand products are grown in almost every crop-producing continent in the world. At our headquarters in Des Moines, Iowa, we're adding to our Research team.



**PIONEER HI-BRED  
INTERNATIONAL, INC.**  
*An Equal Opportunity  
Employer*

#### SCIENTIST

Ribozyme Pharmaceuticals, Inc., a leader in the development of ribozyme-based products for pharmaceutical and agricultural applications, is seeking an experienced Scientist to join our Cell Biology Group at our state-of-the-art facility in Boulder, Colorado.

### SCIENTIST

A versatile and creative Scientist is sought to assist in our program of developing novel therapeutics for cancer, cardiovascular and inflammatory diseases. Applicants must have a Ph.D. and 3-5 years' postgraduate experience in the areas of cell culture and/or organ culture assays. Expertise in developing biological assays in the area of cell proliferation, differentiation and/or tumorigenesis is desirable. This position requires strong communications skills and an ability to interact with an interdisciplinary team.

We offer a competitive salary and benefits package, including a stock option plan. For consideration, please send a Curriculum Vitae along with the names of three references to: Ribozyme Pharmaceuticals, Inc., 2950 Wilderness Place, Job #093-S, Boulder, CO 80301; FAX: (303) 449-6995; e-mail: jobs@rpi.com. No phone calls accepted. We are an equal opportunity employer.



## Be at the forefront...

...of drug discovery research with The DuPont Merck Pharmaceutical Company. We are focused on meeting unmet medical needs through the discovery and development of innovative compounds leading to novel pharmaceuticals.

### SR. RESEARCH SCIENTIST/ PRINCIPAL RESEARCH SCIENTIST

Develop and validate analytical methods for pharmaceutical compounds using LC/MS/MS as the primary tool. The focus of this position will be to provide analytical support for the screening of new drug candidates and their dosage forms using in vitro permeation models. Other responsibilities include: training staff in using developed methods; coordination of activities with other scientists, writing technical reports; and troubleshooting methods and instruments.

The ideal candidate will have a PhD in Chemistry, Pharmaceutical Chemistry, or a related science with relevant experience in bio-analysis. Extensive experience with LC/MS/MS instrumentation is required along with strong oral and written communication skills. Ability to work independently with minimal supervision and within a team are essential.

### RESEARCH SCIENTIST/ SR. RESEARCH SCIENTIST

Primary responsibilities of this laboratory position entails the analytical method development/validation for pharmaceutical compounds. HPLC is the primary tool for assay and impurity separations and quantitation. Utilization of other methods of analysis will also be required. Other responsibilities include: training staff in using developed methods; preparation of test methods; developing specifications; writing technical reports and troubleshooting of methods and instruments.

The ideal candidate will have a Ph.D. in Chemistry, Pharmaceutical Chemistry, or related science with 0-5 years experience in analytical method development, and extensive experience in various chromatographic techniques. Familiarity with lab automation and data acquisition systems, as well as GMP/GLP regulations is preferred. Strong oral and written communication skills, ability to work independently with minimal supervision and within a team are essential.

Our location, near Wilmington, DE, offers an attractive lifestyle with easy access to all the cultural, academic and recreational activities of the Eastern Seaboard. The DuPont Merck Pharmaceutical Company can offer you an excellent compensation and benefits package. To be considered, please forward your resume, indicating position of interest, to: Human Resources-ARD-LL, The DuPont Merck Pharmaceutical Company, Experimental Station, 400/2413, P.O. Box 80400, Wilmington, DE 19880-0400. An equal opportunity employer M/F/D/V.

**DU PONT  
MERCK**

**The DuPont Merck Pharmaceutical Company**  
Merging Strengths...Emerging Opportunities.



# BIOTECHNOLOGY

Challenging infectious and cardiovascular diseases, allergies, cancer and central nervous system disorders...

## That's Schering-Plough

From molecules to medicines. At Schering-Plough, scientists are discovering and developing the novel therapeutics that challenge mankind's most debilitating diseases. To continue this important work, we seek talented scientists with knowledge and dedication.

## POSTDOCTORAL OPPORTUNITY

This project will focus on developing specific binding partners for IFN-alpha2B. Develop novel approach to extend the serum half-life of cytokines using specific binding partners. PhD and experience in microbiology, molecular biology and protein chemistry required to identify, clone, express, purify, and characterize novel proteins, peptides or monoclonal anti-

bodies of therapeutic interest.

Experience in cell biology to grow and analyze specific cell lines in culture and instruments such as BIACOR would be helpful.

We offer an excellent compensation package which includes a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume with salary requirements to: **Human Resources-JW, Dept. TM5479, Schering-Plough Research Institute, 2015 Galloping Hill Road, Kenilworth, NJ 07033-0539.** We are an equal opportunity employer. We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.



**Schering-Plough  
Research Institute**

*Using Science For Human Advantage*

**THE LIPOSOME COMPANY, AN EXPANDING BIOTECH COMPANY SPECIALIZING IN LIPID- AND LIPOSOME-BASED PRODUCTS, IS SEEKING HIGHLY QUALIFIED INDIVIDUALS TO FILL THE FOLLOWING POSITIONS:**

## Ph.D. Scientist *Molecular Mechanisms*

Qualified candidate will possess a Ph.D. in Biophysics, Chemistry, or related field; 1-3 years' postdoctoral and/or industrial experience; a solid understanding of the physical properties of liposomes, lipid-lipid, and lipid-protein interactions. Experience with liposome production and characterization, as well as physical methods (e.g. fluorescence spectroscopy, NMR, DSC, electron microscopy, Langmuir trough) is desirable.

**Dept. SMM-WP.**

## Scientist/Senior Scientist Process Development

You will be responsible for the development of all process and ancillary functions, including process scale-up, process optimization, technology transfer, evaluation of alternative process equipment, protocol preparation, execution and technical documentation review. A minimum of a B.S. degree in the Sciences; at least 10 years' pharmaceutical process development or technical operations experience; and laboratory experience are required.

**Dept. SSS-RD.**

We offer a competitive salary and comprehensive benefits package. Please send resume and salary history, indicating position of interest, to:

**The Liposome Company, Human Resources, Dept. \_\_\_\_\_, One Research Way, Princeton, NJ 08540.**  
Equal Opportunity Employer



**THE  
LIPOSOME  
COMPANY, INC.**

## THE NATIONAL INSTITUTES OF HEALTH NATIONAL INSTITUTE ON DRUG ABUSE OFFICE ON AIDS

### *Call for Research on Drug Abuse and HIV/AIDS*

In response to the increasing number of HIV/AIDS cases associated with drug abuse, the National Institute on Drug Abuse (NIDA) Office on AIDS encourages investigators to undertake research on drug abuse-related aspects of HIV/AIDS in the following general areas:

- interventions to reduce HIV transmission among drug users, their sexual partners, and their offspring;
- the epidemiology of drug abuse-related risk factors;
- HIV natural history, disease progression, and medical interventions; and
- basic behavioral and neuroimmunologic processes underlying HIV risk behaviors and AIDS.

**For Details on AIDS-Related Research Opportunities at NIDA:**

**Steven W. Gust, Ph.D., Acting Director  
Office on AIDS**

**Internet: [sgust@nih.gov](mailto:sgust@nih.gov)**

**Phone: (301) 443-6480 Fax: (301) 443-4100**

Current program announcements can be obtained by calling NIDA's Grants Management Branch: (301) 443-6710 or via Internet: [gflaming@nih.gov](mailto:gflaming@nih.gov). Investigators interested in expanding their research interests to include the study of drug abuse-related aspects of HIV/AIDS are especially encouraged to apply.

## NIH Research Fellowship Positions

The Laboratory of Developmental Biology conducts research on the structure, function, and regulation of extracellular matrix molecules, their receptors, and other cell interaction systems. We are seeking a Ph.D., M.D., or D.D.S. interested in basement membrane and cartilage for postdoctoral positions. Experience in working with gene regulation, ECM, signal transduction, or mouse development is desirable. Applicants must have less than five years of postdoctoral experience. Stipends start at or above \$25,000 per year depending on experience. Interested applicants should send curriculum vitae and three references to:

**Yoshi Yamada, Ph.D.**

**Laboratory of Developmental Biology  
National Institute of Dental Research  
National Institutes of Health**

**Building 30, Room 405**

**9000 Rockville Pike**

**Bethesda, MD 20892**

**e-mail: [yamada@yoda.nidr.nih.gov](mailto:yamada@yoda.nidr.nih.gov)**

**Home page address of LDB in www:**

**<http://www.dir.nidr.nih.gov/DIRweb/LDB/ldb.htm>**



*NIH is an Equal Opportunity Employer.*

## LEXICON GENETICS INCORPORATED



LEXICON GENETICS is a new company dedicated to the study of gene function in mammals to help integrate drug development with human genome sequence data. The founders of LEXICON have developed mouse embryonic stem (ES) cell technologies at Baylor College of Medicine. LEXICON is expanding these technologies to address gene function on a large scale as well as contracting gene "knock-out" experiments and marketing reagents for research. The company's facilities are located north of Houston in the Research Forest of The Woodlands. Currently, LEXICON has an experienced staff of scientists and research associates and desires to expand operations with the following positions:

### Research Scientists

LEXICON is seeking scientists with a Ph.D. to conduct research which supports the company's efforts in genomics and gene function analysis. Candidates should have relevant experience and interest in mammalian genetics and a publication record demonstrating the application of genetics toward the study of genes in development or physiology. While LEXICON is seeking scientists with experience in ES cell technologies, retrovirology or mouse developmental biology, we are not limiting our search to these areas.

### Sequencing Core Director

This individual will be responsible for managing and expanding the company's sequencing capabilities. Candidates should have experience in high-throughput automated sequencing. Preference will be given to individuals with knowledge of state-of-the-art methods and who are motivated to maintain and expand the facility with the latest technologies. Applicants must have relevant experience, a Ph.D. and good communication skills.

### Bioinformatics Director

The Director of Bioinformatics will be responsible for assembling and managing the necessary staff and equipment to provide computational support for LEXICON's research programs as well as conduct independent projects using data from LEXICON's genomics efforts. Candidates should have experience in genomics and computation and be able to apply knowledge of programming, UNIX and available databases to create an efficient research tool for genome analysis. This position requires management skills and the willingness to collaborate with other research teams. An advanced degree and familiarity with genetic databases and statistical analysis is required. LEXICON is seeking someone with experience in this field, but will also consider applications from individuals with diverse backgrounds.

### Research Associates

Several openings are available for individuals with a B.S. or M.S. who have experience in molecular biology, tissue culture, animal husbandry or embryology. Candidates with relevant experience should be motivated and able to work independently and in groups.

*If you are interested in one of these positions, please send your resume to Lexicon Genetics, Human Resources, 4000 Research Forest Dr., The Woodlands, TX 77381. We can be reached by fax 713.364-0155 or email: [personnel@lexgen.com](mailto:personnel@lexgen.com). These and other employment ads can be viewed at <http://www.lexgen.com>. LEXICON GENETICS is an equal opportunity employer.*



## Postdoctoral Opportunities

Millennium Pharmaceuticals is a rapidly growing company that is using its expertise in human genetics, mouse genetics, and molecular biology to identify and elucidate the function of genes involved in a variety of disease conditions, including Obesity, Cancer, Atherosclerosis, and Asthma.

We are seeking talented fellows with a broad range of backgrounds and relevant experience to participate in an active Postdoctoral Fellowship Program. Fellows conduct independent research with Millennium staff scientists in a highly stimulating and interactive environment in which investigations are expected to lead to peer-reviewed publications\*. Projects benefit from close collaboration and support from core groups with special expertise in mouse genetic models, molecular histology, protein biochemistry, cell biology, yeast two-hybrid interaction screening, vector biology, cDNA library construction, and DNA sequencing.

Postdoctoral positions are available in projects directed at the functional characterization of novel genes important in a range of fundamental biological processes including:

### SIGNAL TRANSDUCTION CELL GROWTH CONTROL CELL-CELL COMMUNICATION RECEPTOR BIOLOGY INFLAMMATORY MECHANISMS

These investigations form the basis of Millennium's research programs in:

#### *Molecular Regulation of Body Weight*

Research focuses on novel pathways identified through the recent cloning of the five mouse monogenic obesity genes and human homologs. **Job Code: SCD**

#### *Mechanisms of Tumor Formation and Progression*

Ongoing projects are directed at the functional characterization of newly identified genes involved in the development and progression of neoplastic cell growth, including candidate tumor suppressor genes, genes potentially regulating metastasis, and genes related to tumor drug resistance. **Job Code: SCC**

#### *Molecular Regulation of Atherogenesis*

A range of research is directed at elucidating the roles of novel genes in endothelial cell and macrophage biology, lipid accumulation, and the protective effects of estrogen in atherosclerosis. **Job Code: SCA**

#### *Cellular and Molecular Mechanisms of Inflammation*

A series of projects focus on the functional characterization of newly discovered genes regulating immune responses, including novel receptors expressed on T lymphocytes. **Job Code: SCI**

#### **\* Recent Millennium publications include:**

Tartaglia et al., Cell, Vol. 83, 1263-1271, 1995. Glucksmann-Kuis et al., Cell, Vol. 81, 289-298, 1995. Kleyn et al., Cell, Vol. 85, 281-290, 1996. Chen et al., Cell, Vol. 84/3, 491-495, 1996.

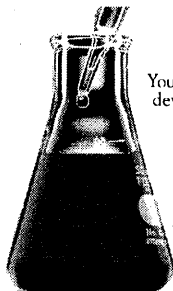
To apply send your resume, indicating job code, to: **Millennium, Human Resources, 640 Memorial Drive, 5th Floor, Cambridge, MA 02139; FAX (617) 225-0884.**

Millennium seeks and cultivates a diverse workforce through equal opportunity employment and a collaborative team approach.



**MILLENNIUM PHARMACEUTICALS, INC.**

# YOUR KNOWLEDGE & A STRONG PARTNERSHIP FOR FIGHTING CANCER OUR TECHNOLOGY



Your abilities coupled with our leading edge technology can take you far at ImClone Systems. We're a growing, publicly held biopharmaceutical firm that develops innovative therapeutic products for treating cancer and cancer related disorders. We currently have the following opportunities available:

## AT OUR SOMERVILLE, NEW JERSEY FACILITY:

### MANAGER, PRODUCTION TECHNOLOGY

You will manage scientific, operational, and strategic programs that define & implement commercial-scale manufacture of our biological therapeutic products. You will be responsible for developing strategies and managing the resulting programs through Biopharmaceutical Operations. Qualifications: Ph.D. or equivalent in Biological Sciences or Biochemical Engineering, with at least 8 years of experience in biopharmaceutical development; MAB development preferred. You need to have experience in the commercial development of a biotech product. Reference Job Code MPT.

### MANAGER, CLINICAL SEROLOGY

You will be responsible for the development and execution of serological analysis pertaining to preclinical & clinical study of ImClone products. You will also be responsible for contract lab administration for specialized serologies, and for data analysis & reporting to meet all guidelines for submission to regulatory authorities. Qualifications: Ph.D. in Biological Sciences plus 4 years of clinical lab or pharmaceutical experience -OR- an M.S. in Biological Sciences plus 10 years of experience; experience in pharmaceutical product development and supporting IND clinical studies; in-depth knowledge of GLP, biosafety and standard clinical laboratory practices; demonstrated experience in staff & contractor management. Reference Job Code MCS.

### SCIENTIST, PROCESS DEVELOPMENT

You will be responsible for the development of procedures for purification of antibodies and scale-up of processes for product manufacture under cGMP. Qualifications: B.S. degree in Biological Sciences with a minimum of 6 years of experience -OR- an M.S. with 3 years of experience in MAB. Virus validation and supervisory experience are pluses. Reference Job Code SPD.

## AT OUR NEW YORK CITY FACILITY:

### SENIOR SCIENTIST, CELLULAR & MOLECULAR IMMUNOLOGY

You will work on studies involving antibody directed immunotherapy against tyrosine kinase receptors involved in cancer, hematopoiesis and angiogenesis. Qualifications: Ph.D. with 4-8 years of experience. Expertise in the following areas will be considered: cancer immunology (including animal models); CTL isolation and expansion; the molecular biology of the TCR immunoglobulins & peptide vaccines. Reference Job Code CMI.

ImClone offers competitive salaries and a wide range of benefits. Contact us with your CV, salary requirements, and references, noting Job Code of interest, as follows:

For the positions at the Somerville, New Jersey facility, contact:

**ImClone Systems Inc.**

Attn: HR Manager, 22 Chubb Way

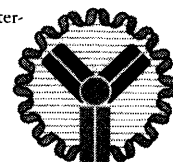
Somerville, NJ 08876 • Fax: 908-704-8325

For the position at the New York City facility, contact:

**ImClone Systems Inc.**

Attn: HR Manager, 180 Varick Street

New York, NY 10014 • Fax: 212-645-2054



AN EQUAL OPPORTUNITY EMPLOYER M/F/D/V

## Two Tenure-Track Faculty Positions The University of Wyoming Cell Biology; Anatomy and Physiology

The Department of Zoology and Physiology at the University of Wyoming invites applications for two tenure-track faculty positions, academic rank commensurate with experience. We seek individuals who will develop strong externally funded research programs, direct graduate students, and teach effectively in the undergraduate/graduate and/or first-year medical school programs of the University. A Ph.D. or equivalent required; postdoctoral experience desirable; successful grant history required if appointment is made at Associate or Full Professor rank.

**CELL BIOLOGY**, starting fall 1997. All areas of cell biology and cell physiology of animals are appropriate, but we are especially interested in individuals who investigate localization of function in cells and tissues. Incumbent will oversee the operation of an existing well equipped laboratory with TEM, laser confocal and high resolution light microscopy capabilities. Teaching responsibilities include a major undergraduate team-taught course in cell biology, contribution to an integrative cell biology laboratory, periodic participation in a team-taught general biology course, and graduate course(s) in candidate's areas of interest.

**ANATOMY and PHYSIOLOGY**, starting summer 1997. Any research specialty investigating structure/function relationships in animals at the molecular, cellular, or tissue level is appropriate. Principal teaching responsibilities will be the gross anatomy components of our new first-year medical school curriculum affiliated with the University of Washington School of Medicine, and periodic undergraduate or graduate course(s) in candidate's areas of interest. Prior experience teaching medical school gross anatomy is highly desirable.

Applications, including a letter specifying position(s) applied for and outlining research and teaching interests, curriculum vitae, and three letters of recommendation sent directly from references, should be submitted to: Search Committee, Department of Zoology and Physiology, University of Wyoming, P.O. Box 3166, Laramie, WY 82071-3166. Phone: 307-766-4207, FAX: 307-766-5625. Application materials must be received by September 16, 1996. The University of Wyoming is an Equal Opportunity/Affirmative Action Employer.

## LOEB MEDICAL RESEARCH INSTITUTE POSTDOCTORAL POSITIONS

The Loeb Medical Research Institute, Ottawa Civic Hospital and the University of Ottawa, has outstanding research programs in neurosciences and in hormones, growth and development. We seek postdoctoral candidates holding Ph.D.'s and/or M.D.'s with expertise in molecular and/or cellular biology wishing to continue study in one of our programs. We are particularly interested in recruiting women and minorities. Stipends start at \$30,000/annum. The scientists and research projects are listed below.

**Marie-Andrée Akimenko/Marc Ekker/Kursad Turksen**

*Mesenchymal-epithelial interactions during hair and ear development*

**Heather Davis**

*DNA vaccines*

**Robert Haché/Marie-Andrée Akimenko**

*Developmental consequences of nuclear hormone receptor homeodomain binding in the zebra fish*

**Bin Hu**

*Genetic and molecular determinants underlying neural circuit differentiation in mammalian CNS*

**X. Johné Liu**

*Functional studies of Xenopus IGF-1 receptor and several IRS-1-like proteins in embryonic development of Xenopus laevis*

**Johnny Ngsee/Jay Baltz**

*The signalling pathway leading to exocytosis in the mammalian sperm cell*

**Alex Sorisky**

*Protein kinase B and adipocyte differentiation*

**Peter Stys**

*Molecular manipulations of sodium channels in CNS ischemic injury*

**Mario Tiberi**

*Study of the dopamine D1B receptor function using gene targeting in mouse*

For details, contact any of the scientists by FAX: 613-761-5354. By August 31, 1996, applicants to a specific project should submit a C.V., list of publications, names of two referees, and a brief statement of research interests to the appropriate scientist(s) at Loeb Medical Research Institute, Ottawa Civic Hospital, 1053 Carling Ave., Ottawa, Ontario, K1Y 4E9, CANADA.

The Ottawa Civic Hospital, an equal opportunities employer, encourages applications from all qualified applicants, including women, aboriginal peoples, members of visible minorities, and people with disabilities.



## Wellcome Trust Centre for Cell-Matrix Research Postdoctoral Research Associate

Applications are invited from molecular biologists with an interest in the areas of developmental biology and/or genetics. The successful applicant will join a team involved in the study of bone growth and development in normal and disease states. Experience in gene analysis and expression is essential. Desirable skills are in *in situ* hybridisation, tissue culture and methods for the analysis of human genetic disorders. The position, which is funded by The Arthritis and Rheumatism Council, is available from 1 August 1996 for a period of up to four years (starting salary according to age and experience but in the range of £15,986 - £21,786).

Applicants should hold a PhD degree in a biological science and have relevant experience. Informal enquiries to Dr Gillian Wallis, School of Biological Sciences, 2.205 Stopford Building, University of Manchester, Oxford Road, Manchester M13 9PT. (Tel: 0161 275 5697, Fax: 0161 275 5082; email: gwallis@fs2.scg.man.ac.uk). Application forms and further particulars available from The Office of the Director of Personnel, University of Manchester, Manchester M13 9PL. Tel: 0161 275 2028, Fax: 0161 275 2221. Please quote ref. no 318/96. Closing date for applications is 17 July 1996.

As an equal opportunities employer, the University of Manchester welcomes applications from suitably qualified people from all sections of the community regardless of race, religion, gender or disability.

## EXCELLENCE IN NEUROSCIENCE POSTDOC POSITIONS

The Department of Neuroscience and Neurology in the University of Kuopio is an internationally well known Alzheimer's center. The center is announcing four postdoc positions for national or international scientists. Applicants from different disciplines of neuroscience, Ph.D.'s or M.D./Ph.D.'s, are encouraged to apply. Research plans at the institute are currently as follows:

1. To study early markers to differentiate age related normal memory impairment from pathologic seen in Alzheimer's disease utilizing long-term clinical follow-ups and functional NMR among others. For information: Professor Hilka Soininen, phone: 358-71-173012, E-mail: Hilka.Soininen@uku.fi
2. To develop pharmacological therapies for Alzheimer's disease utilizing animal models including transgenic animals as models of the disease. For information: Professor Paavo Riekkinen Jr., phone: 358-71-162016, E-mail: PaavoJr.Riekkinen@uku.fi
3. To study cell cultures molecular regulation mechanisms of neuronal degeneration and apoptosis and pharmacological manipulation of cell death. For information: Research Director Antero Salminen, phone: 358-71-162015, E-mail: Antero.Salminen@uku.fi
4. To study neuropathological changes in unimpaired, impaired aging and in Alzheimer's disease. For information: Irina Alafuzoff, M.D., Ph.D., phone: 358-71-162877, E-mail: Irina.Alafuzoff@uku.fi

Petitioners should send their applications, including c.v.'s, list of publications, recommendations, and short description of their field of interest to the head of the research team, **Professor Paavo Riekkinen Sr., University of Kuopio, A.L. Virtanen Institute, P.O. Box 1627, FIN-70211, Kuopio, Finland, Fax: 358-71-162083.**

Deadline for applications is September 30, 1996.

The salary is dependent on the qualifications of the applicant and ranges from US\$ 2800-3200/month.

**CICERO**—Center for International Climate and Environmental Research—Oslo, is a private non-profit organization with the University of Oslo as founder. The Center has a multidisciplinary staff of 27 with expertise in political science, sociology, economics, and the natural sciences, and an annual budget of about NOK 11 million, of which about 40% is provided over the Government's annual budget. The Center is actively involved as a contributor to the UN's Panel on Climate Change (IPCC) and the processes involved in the UN's Climate Convention, to which it has contributed knowledge and strategic input.

Our Director is leaving her post for another position and CICERO is thus seeking to fill the position of:

### DIRECTOR

The Director is the scientific and administrative leader of CICERO and represents the Center nationally and internationally.

The Director has overall professional and economic responsibility for the Center and organizes research, reporting, and consulting activities in close cooperation with the Center's senior researchers and with national and international users of the Center's services.

CICERO is entering an exciting period where its role as a competence center for international work on climate questions will be considerably strengthened. We are seeking a director with vision, creativity, and drive who can position CICERO in this area. The Director will have the possibility to conduct research of personal interest within the framework established by the Board of Directors.

Applicants must have:

- Scientific competence within one or more of the Center's interest areas
- Experience from basic and applied research
- Management experience and an ability to develop and lead highly qualified co-workers
- Ability to combine strategic planning with financial management and income generation
- Documented ability to generate funding
- Experience from international work, and good language skills. Knowledge of a Scandinavian language is desirable, though not required.

The position is demanding when it comes to communication and cooperation with others. Since the Center's activities are multidisciplinary, it is important that applicants can communicate with different professions, cooperate across disciplines, and stand for professional integrity.

*CICERO is an equal opportunity employer.*

Salary and terms are negotiable. Appointment will be for a term of six years, with the possibility of prolongation.

Requests for more information can be addressed to **Board Chair Terje Osmundsen, phone 47 32 85 90 19; current Director Helga Hernes, 47 22 85 87 50; or Assistant Director Kjell Arne Hagen, phone 47 22 85 87 70.** More information on CICERO can be obtained from the Center's home page (<http://www.cicero.uio.no/>)

All inquiries will be treated confidentially.

Applications with CV, publication list, and additional pertinent information should be sent to **CICERO, P.O. Box 1129 Blindern, N-0317 Oslo, Norway**, by July 19, 1996. The envelope should be marked D/96.



## POSITIONS OPEN

### ENVIRONMENTAL SCIENTIST

The Bard College Division of Natural Sciences and Mathematics invites applications for a full-time, tenure-track position at the **ASSISTANT or ASSOCIATE PROFESSOR** level (depending on experience), starting in January or August of 1997. Candidates should have a Ph.D. and a strong commitment to undergraduate education. Preference will be shown toward candidates who have strong backgrounds in chemistry and ecology with research interests at the interface of those fields. Teaching responsibilities will include courses in environmental chemistry and ecosystem ecology for science majors and for non-majors and introductory science courses in field(s) consistent with the candidate's background. The candidate will be expected to develop a research program involving undergraduates. Start-up funding will be available. Applicants should submit a letter of application, curriculum vitae, and three letters of recommendation to: **Prof. Daniel Freedman, Search Committee Chair, c/o Department of Human Resources, Bard College, Annandale-on-Hudson, NY 12504**. Applications will be reviewed as received with interviews starting in September 1996. *Bard College is an Affirmative Action/Equal Opportunity Employer. Of special interest are candidates with a commitment to helping women pursue careers in science.*

The Radiation Biology Branch, National Cancer Institute (NCI), National Institutes of Health, is accepting applications for a **TENURE-TRACK** position involving preclinical and mechanistic studies evaluating the effects of oxidants, such as superoxide, hydrogen peroxide, nitric oxide, oxygen-related radicals, ionizing radiation, and redox-active chemotherapy drugs, on the modulation of tumor and normal tissue physiology and cytotoxicity. The emphasis of the position will be to develop approaches that could potentially lead to therapeutic gains in cancer treatment and an understanding of the mechanism(s) of action that oxidative stress can exert at the biochemical, cellular, and physiologic level. Candidates should have strong research credentials and should have a publication record in leading international journals in research areas related to oxidative stress, radiation biology, and/or cancer biology. Likewise, experience and/or a basic understanding of advanced analytical chemical and biochemical techniques, cell biology, radiation biology, and general concepts of molecular biology is desirable. The salary range for this position is \$49,856 to \$68,729 per annum, which is equivalent to a GS-13 in the Civil Service. Applicants should send curriculum vitae, bibliography, selected publications, and a brief statement of research interest and have three letters of reference sent to: **Marie Priest, Division of Clinical Sciences, National Cancer Institute, Building 31, Room 3A11, 31 Center Drive MSC 2440, Bethesda, MD 20892-2440**. This information must be received no later than August 30, 1996. *The NCI is an Equal Opportunity Employer.*

### POSTDOCTORAL FELLOWSHIP Molecular Biology of Hypothalamic Gene Expression

The regulation of expression of hypothalamic genes, especially vasopressin and oxytocin and their receptors, is under investigation. Specific projects include targeted replacement of genes in mice and the influences of the POU protein transacting factors. Applicants should have a strong background in molecular biology and have less than five years of postdoctoral experience. Send curriculum vitae, bibliography, and three recent letters of reference to: **W. Scott Young, M.D., Ph.D., Section of Neural Gene Expression, Laboratory of Cell Biology, NIMH, 36 Convent Drive, MSC 4068, Bethesda, MD 20892-4068**. *NIMH is an Equal Opportunity Employer.*

Two **RESEARCH ASSOCIATE/POSTDOCTORAL POSITIONS** available immediately to study the biochemical-molecular basis of DNA double-strand break repair (DSB) in mammalian cells. Possible involvement of DSB repair in signal transduction and cell cycle regulation will be studied using *in vitro* repair systems and repair deficient mutants (*JBC*, 269:15981, 1994). Applicants should have a strong background in molecular biology and biochemistry. The Lankenau Medical Research Center is located in the suburbs of Philadelphia in a newly constructed research facility equipped to support state-of-the-art biomedical research. Send curriculum vitae and names of three references to: **Thomas D. Stamato, Ph.D., The Lankenau Medical Research Center, 100 Lancaster Avenue, Wynnewood, PA 19096**. Telephone: 610-645-2888. *Equal Opportunity Employer.*

## POSITIONS OPEN

### EXECUTIVE DIRECTOR UNIVERSITY OF ALABAMA MUSEUMS The University of Alabama, Tuscaloosa, Alabama

The University of Alabama seeks an experienced museum administrator to serve as **EXECUTIVE DIRECTOR** of the University of Alabama Museums. The Executive Director oversees the University's museum system, which includes the Alabama Museum of Natural History, Moundville Archaeological Park, and the Paul W. Bryant Museum, with responsibility for a staff of 41 and an annual operating budget of \$1.75 million. Candidates should have an understanding of museum policies and practices and demonstrated skill in leadership and management, communication, and strategic and fiscal planning. Qualified candidates must have an advanced degree, at least five years of museum administrative experience, and a successful record in public and private fund raising, policy and program development, and personnel and budget management. Salary commensurate with experience. Excellent benefits. Review of applications will begin September 1, 1996. Position to be filled by January 1997. Submit letter of interest, résumé, and references to: **James B. Gardner, LaPaglia & Associates, 320 East Main, Suite 203, Murfreesboro, TN 37130**. *Affirmative Action/Equal Opportunity Employer.*

### ASSISTANT PROFESSOR PHARMACOLOGY

The University of New England is accepting applications for a 12-month tenure-track position as **ASSISTANT PROFESSOR** in the Department of Pharmacology. This position will have teaching responsibilities in Osteopathic Medicine, Nurse Anesthesia, and Physician Assistant Programs. The applicant will be expected to develop an active research program. Applicants in all areas of research will be considered. The College of Osteopathic Medicine has a significant research focus in the neurosciences. Send curriculum vitae with the names of three references by July 30, 1996 to **Pharmacology Search, Human Resources, University of New England, 11 Hills Beach Road, Biddeford, ME 04005**. *The University of New England is an Equal Opportunity/Affirmative Action Employer and actively encourages female and minority candidacies.*

### ASSISTANT PROFESSOR

The Department of Internal Medicine and the Simmons Arthritis Research Center at The University of Texas at Southwestern Medical Center at Dallas invite applications for a tenure-track **ASSISTANT PROFESSOR-SHIP**. Candidates must hold the degree of Ph.D. and/or M.D. and have a minimum of three years of postdoctoral research experience. The candidate's research should complement the Center's existing strengths in molecular immunology and structural biology. We encourage applications from individuals who will develop strong, independent research programs in any area of molecular immunology, but who are also interested in an exchange of ideas and information among scientists taking diverse approaches to studying the normal immune system and its dysfunction in disease. Applicants should send a curriculum vitae, statement of research accomplishments and plans, and three letters of reference to: **Peter Lipsky, M.D., Director, Simmons Arthritis Research Center, UT Southwestern, 5323 Harry Hines Boulevard, Dallas, TX 75235-8884**.

*UT Southwestern is an Equal Opportunity Employer.*

**POSTDOCTORAL POSITIONS** available immediately for NIH-sponsored studies in drug metabolism and transport. Applicants must have quantitative skills and experience in 1) analytical chemistry, drug metabolism/pharmacokinetics, and cell culture (drug metabolism) or 2) cloning, sequencing, RT-PCR, *Xenopus* oocyte expression, and/or vesicle uptake studies (drug transport). Send curriculum vitae and three letters of reference by July 31, 1996 to: **Dr. Unadkat, Department of Pharmaceutics, Box 357610, University of Washington, Seattle, WA 98195**. Email: jash@u.washington.edu; FAX: 206-543-3204.

**POSTDOCTORAL POSITIONS.** Available in Departments of Biochemistry, Cell Biology and Anatomy, Microbiology and Immunology, Molecular and Cellular Biology, Pathology, Pharmacology/Toxicology, and Physiology. Applicants must have a Ph.D. or M.D. degree. Positions available during 1996 and 1997. Review of applications begins July 31, 1996, and will remain open until positions are filled. Send applications to appropriate department heads: **The University of Arizona, Arizona Health Sciences Center, Tucson, AZ 85724**. *Equal Employment Opportunity/Affirmative Action/ADA Employer. Women and minorities are urged to apply.*

## POSITIONS OPEN

### MARSHALL UNIVERSITY Biochemistry and Molecular Biology

**POSTDOCTORAL POSITION** to study the regulation of RAR function by PKC and role of RAR subtypes in melanoma differentiation. Experience in molecular biology required. Familiarity with baculovirus expression systems is desirable.

Send curriculum vitae and names of two references to: **Richard M. Niles, Ph.D., Professor and Chairman, Department of Biochemistry and Molecular Biology, Marshall University School of Medicine, 1542 Spring Valley Drive, Huntington, WV 25755** by July 22, 1996. *Marshall University is the recipient of the U.S. Labor Department's EVE Award for its Affirmative Action and Equal Employment Opportunity programs.*

### PLANT MOLECULAR BIOLOGIST ICI/Garst

ICI/Garst is currently seeking a creative and motivated researcher to join our innovative maize transformation program. A position is available either at the **POSTDOCTORAL or SENIOR TECHNICIAN** level to provide expertise in the areas of plant molecular biology (PCR, Southern) and transgene expression analysis (protein isolation/ELISA/Western). This position requires either a Ph.D. in plant molecular biology/genetics (or related field) or a B.S./M.S. degree with three to five years of relevant experience. Applicants should send a curriculum vitae and three letters of recommendation to: **ICI/Garst, Human Resources Department, Job Openings, 2369 330th Street, P.O. Box 500, Slater, IA 50244**.

*ICI Seeds is an Equal Opportunity and Affirmative Action Employer.*

### SENIOR SCIENTIST POSITION

XenoTech LLC, a biotechnology research company, is seeking applications for a **SENIOR SCIENTIST** position to oversee contract services for the study of xenobiotic metabolism, drug-interaction studies, P450 induction (both *in vivo* and *in vitro*), and product development.

Qualified applicants should possess a Ph.D. in pharmacology/toxicology or biochemistry with several years of experience in drug metabolism-related research; exceptional writing skills; and expertise in HPLC, cell culture, and/or molecular biology.

Salary commensurate with experience and qualifications. Company benefits include medical/dental/life insurance, 401K retirement plan, and paid vacation/holidays.

Position is available immediately. Qualified candidates should send curriculum vitae (please include salary expectations) and list of references to: **Dr. Andrew Parkinson, XenoTech LLC, 3800 Cambridge Street, Kansas City, KS 66103**.

### POSTDOCTORAL POSITION

Position available for recent Ph.D. graduate in the laboratory of **Fayez K. Ghishan, M.D.**, to investigate the molecular genetics of renal and intestinal transport proteins. Molecular biology experience is necessary. Send curriculum vitae and three references to: **James F. Collins, Ph.D., AHSC, Department of Pediatrics, 1501 North Campbell Avenue, Tucson, AZ 85724**. Email: jcollins@peds.arizona.edu. Review of applicants will begin July 15, 1996. *The University of Arizona is an Equal Opportunity/Affirmative Action/ADA Employer. Women and minorities are encouraged to apply.*

### DUKE UNIVERSITY MOLECULAR/CELL BIOLOGY

**POSTDOCTORAL POSITION:** Investigate molecular mechanisms of ischemia-reperfusion injury and repair. Approaches include mouse transgene overexpression/underexpression, quantitative RT-PCR, and mRNA differential display. Submit one package that includes curriculum vitae, cover letter (with relevant experience and future plans), and three letters of recommendation to: **Rodney Folz, M.D., Ph.D., Duke University Medical Center, Box 3177, Durham, NC 27710**.

**NEUROSCIENCE** Ph.D. at the University of Michigan, Section of Emergency Medicine. Active areas of research in brain injury, shock, and focal/global cerebral ischemia. Collaboration/joint appointments with basic science departments available and encouraged. Please send curriculum vitae to: **William G. Barsan, M.D., University of Michigan Medical Center, Emergency Department, UH B1C263, 1500 East Medical Center Drive, Ann Arbor, MI 48109-0014**. Telephone: 313-936-6020. *The University of Michigan is an Equal Opportunity/Affirmative Action Employer.*



### Chair and Professor of Biology

**EAST  
CAROLINA  
UNIVERSITY**

Applications are invited for the position of Chair and Professor of the Department of Biology, College of Arts and Sciences, at East Carolina University. ECU is the third largest member of the University of North Carolina system and is seeking to establish Doctoral II status. Our department of 34 faculty and 14 staff is strongly committed to excellence in teaching and research. We enroll over 400 undergraduate majors in biology and biochemistry, and 85 graduate students for the M.S. degrees in biology and molecular biology/biotechnology. There are active research programs in coastal ecology, animal physiology, evolutionary biology, and molecular biology of vertebrates and prokaryotes.

Ph.D. degree, administrative experience, and demonstrated excellence in teaching and research in the liberal arts tradition are required. Submit letter describing leadership and management style, c.v., and contact information for at least three current references. Review of applications will begin 3 September 1996. Official transcripts are required upon employment. Address applications to: **Professor Carson W. Bays, Chair of the Biology Search Committee, College of Arts and Sciences, East Carolina University, Greenville, NC 27858-4353, ecabays@ecuvm.cis.ecu.edu.**

*An Equal Opportunity/Affirmative Action University. Accommodates individuals with disabilities. Applicants must comply with the Immigration Reform and Control Act.*

## RESEARCH SUPPORT ASSISTANT PROJECT DIRECTOR

This position is the chief scientist staff to the Project Director for the quality oversight of science program activities supporting over 100 field, laboratory, and shipborne research projects under the sponsorship of the National Science Foundation (NSF). Scope of responsibilities includes visionary for advances in delivery of science support services, leadership in achieving continuous improvement of these services, oversight and administration of ASA's user committees, conducting quality inspections of field, laboratory and vessel research procedures and operations, coordination with academic institutions in establishing support arrangements, translation of feedback from NSF and grantees into improvement plans and actions, and ASA point of contact with research organizations such as UNAVCO and UNOLS.

The successful candidate will have the following qualifications and experience:

- PhD in the natural sciences with a minimum of 10 years post degree experience;
- Principal Investigator experience, preferably with polar field experience;
- Administrative and technical management of large multi-disciplinary science projects and programs in the public/private sector;
- Comprehensive understanding of laboratory operations based on direct experience.

It is desirable for the candidate to have an understanding of science computer support technology and antarctic or southern oceans research experience.

Antarctic Support Associates is the principal support contractor of the National Science Foundation for science and research operations in Antarctica. The headquarters of the contractor is located in Denver, CO, with principal activities in New Zealand, Chile, and on the Antarctic continent. The majority of the direct support for the field science occurs during the austral summer requiring extended work in the field during this period. Cumulative field time could total two months per year.

Because this position requires deployment to Antarctica, the ability to pass strict physical and dental examinations is a contractual precondition of employment for this position. All applicants must be a U.S. Citizen.

Interested applicants should submit cover letter and qualifications to:



Antarctic Support Associates  
Attn: HR  
61 Inverness Drive East  
Suite 300  
Englewood, CO 80112  
E-mail: [resume.asa@asa.org](mailto:resume.asa@asa.org)  
ASA is an Equal Opportunity Employer

Antarctic Support Associates is a  
Joint Venture of Holmes &  
Narver Service, Inc. and EG&G, Inc.



## IUPAC

The International Union of Pure and Applied Chemistry will relocate its Secretariat to Research Triangle Park, North Carolina, USA in 1997. IUPAC seeks an

### Executive Director

to head the new Secretariat. The position is open on May 1, 1997, following retirement of the incumbent, but availability early in 1997 is desirable to provide some overlap.

The Executive Director and Secretariat staff are responsible for administration of numerous committees and commissions staffed by over 1200 volunteer chemists throughout the world; organizing IUPAC General Assemblies, Congresses and other meetings; interactions with the 41 National Adhering Organizations that comprise the Union; management of the IUPAC publication program; public relations activities; and executing the IUPAC budget (over \$1 million per year).

The Executive Director must have a substantial background in chemistry (doctoral degree preferred); ability to organize, manage, recruit and interact effectively with workers in a small office environment; proficiency in information technology; and ability to communicate effectively and diplomatically with a large number of scientific leaders throughout the world.

Resumes, along with three letters of reference (or the names of three references with fax or e-mail addresses) should be sent by September 1, 1996 to Dr. Edwin D. Becker, Secretary General IUPAC, National Institutes of Health, Bethesda, MD 20892-0520, USA. Additional information, if needed, may be obtained by Fax (301 435-2413) or e-mail ([tbecker@nih.gov](mailto:tbecker@nih.gov)). General information about IUPAC programs and further details of this position are given on IUPAC's World Wide Web homepage: <http://chemistry.rsc.org/rsc/iupac.htm>

IUPAC offers competitive salary and benefits and is an Equal Opportunity employer.

## ANNOUNCEMENT



**CaP CURE**  
ASSOCIATION FOR THE CURE  
OF CANCER OF THE PROSTATE

### FUNDING AVAILABLE

CaP CURE, the Association for the Cure of Cancer of the Prostate, is soliciting proposals for its 1996/1997 funding year. The organization's goal is to find a cure for advanced prostate cancer.

Applications are competitive and accepted from individuals with or without institutional affiliation. Awards range from \$50,000 - \$200,000 for the year. Applications (3-5 pages) can be for basic research, clinical investigations or a combination and must be relevant to the treatment of advanced prostate cancer. We encourage interdisciplinary collaborations between basic scientists and clinicians. (For-profit companies are not eligible.) Applications will be accepted August 15, 1996 through September 30, 1996. Awards will be announced by November 1, 1996.

*For consideration, please first request  
application guidelines:*

**CaP CURE**  
1250 Fourth Street, Suite 360  
Santa Monica, CA 90401  
Phone: (310) 458-2873 Fax: (310) 458-8074



**DEKALB  
Genetics  
Corporation**

**DEKALB Genetics Corporation** is the fastest growing agricultural seed company in the U.S. Our mission is to provide our customers with seed products that improve their productivity and profitability. Our biotechnology research program will play an increasingly important role in fulfilling that mission. We seek bright, creative, and ambitious people to join our expanding multidisciplinary team focused on the genetic improvement of crop plants.

**Regulatory Affairs:** DEKALB seeks personnel to accomplish product regulatory approval in order to insure timely commercial introduction of new bioengineered seed products. Individuals with experience in obtaining product approval by U.S. and foreign government agencies, including USDA, EPA, and FDA, are encouraged to apply.

**Transformation Technology:** DEKALB is seeking a **Ph.D. level scientist** with significant experience in the transformation of monocot plants for the development of new bioengineered seed products. The successful individual will be responsible for aspects of product development as well as the development of novel technologies. DEKALB is also seeking individuals at the **B.S./M.S level** to assist in the production of transgenic plants. Experience with monocot systems is preferred, but not essential.

The successful candidates will be located at DEKALB's biotechnology research facility in Mystic, CT, a scenic shoreline community located on Long Island Sound, halfway between New York and Boston. DEKALB offers competitive compensation, an attractive benefits package, and an outstanding working environment.

Send applications and the names, addresses and phone number of three professional references to **Human Resources, DEKALB Genetics Corporation, 62 Maritime Drive, Mystic, CT 06355-1958.**



**Chair  
Department of Pharmacology  
Medical College of Ohio  
Toledo, Ohio**

The Medical College of Ohio invites applications for the position of professor and chair of the Department of Pharmacology. Candidates must have a Ph.D. or M.D. degree (or their equivalents) and have an outstanding record of scientific accomplishments, research funding, graduate and medical education, and evidence of administrative and leadership ability. The successful candidate will lead a productive department with research strengths in signal transduction, neurotransmitters and ion channels, and teaching commitments in the medical and graduate schools.

The Medical College of Ohio is a free-standing, public institution with outstanding modern educational, research and clinical facilities. We seek an energetic and interactive chairperson who will promote the future growth of the department and the missions of the institution. To apply, send a curriculum vitae and the names of three references to:

**Maurice Manning, Ph.D., D.Sc.  
Chairman, Pharmacology Search Committee  
Department of Biochemistry and Molecular Biology  
Medical College of Ohio  
P.O. Box 10008  
Toledo, Ohio, 43699**

Further details are available at the MCO home page address:  
<http://www.mco.edu>

Review of applications will begin September 3 and will continue until the position is filled.

The Medical College of Ohio is an affirmative action/equal opportunity employer.

## **Announcing the 4th Annual BS/MS Careers Issue**

*August 30, 1996*

**Get BS/MS students excited about career opportunities at your company or university.** SCIENCE Magazine offers you a once-a-year opportunity to reach the best science students and tell them about your employment opportunities in the August 30, 1996 BS/MS special advertising supplement.

**Full page advertisements receive bonus distribution to the top biology and chemistry programs in the U.S.**

Make sure your message gets the impact you need. Run a full page ad and reach our regular subscriber base of over 160,000. In addition, your ad receives bonus distribution to students in 151 of the top biology and chemistry programs around the U.S. in a special reprint of the BS/MS advertising section.

**Reach eligible minority students.**

When you advertise a full page in the BS/MS Careers issue your advertisement will get special distribution to U.S. colleges and universities with historically high minority enrollment.

**Placing your ad is easy!**

In the U.S., call Janis Crowley at (212) 496-7704 or fax (202) 289-6742.

In Europe, call Debbie Cummings at +44 (0) 1223 302067 or fax +44 (0) 1223 567208.

**Advertising deadline: August 13, 1996.**

**SCIENCE**  
<http://www.sciencemag.org>

**T**he University of Wisconsin-Madison invites applications for an endowed position at the Assoc.-Full Professor level. We seek a distinguished scientist with broad vision and extensive field experience, pursuing basic and applied research into the ecology of restoring grasslands, savannas, wetlands, or forests. We expect the Leopold Professor to be an intellectual leader who will maintain a vigorous and visible program of fundamental research, teach courses in restoration ecology, participate in graduate training, and encourage restoration research using the unique collection of restored ecological communities at the UW Arboretum.

Applicants must have a Ph.D., a record of innovative research, and a commitment to undergraduate and graduate education. Unless confidentiality is requested in writing, information regarding applicants and nominees must be released upon request. Finalists cannot be guaranteed confidentiality. Applicants should submit a letter of application, curriculum vitae, a statement of research interests and plans, reprints of 3 articles, and the names of 3 references to: Dr. D. M. Waller, Leopold Chair Search, Department of Botany, 430 Lincoln Drive, Madison WI 53706 by **Sept. 15, 1996**. *The University of Wisconsin is an Equal Opportunity / Affirmative Action employer.*



AMERICAN  
HEALTH  
ASSISTANCE  
FOUNDATION

#### Director of Grant Programs

Rockville, Maryland-based \$20 million nonprofit seeks M.D. or Ph.D. in biology or biomedical science to head research grants department.

Responsibilities include pre- and post-award administration of domestic and international research grant programs on age-related and degenerative diseases; recruitment and oversight of scientific review committees; and representation of organization at scientific and other targeted meetings. Must have significant experience directly related to the hands-on administration of grant programs. Management experience and a working knowledge of database and spread sheet applications a must.

Must possess an ability to explain biomedical research to the lay public. Travel required.

Salary negotiable. Forward resume and salary history to **M. Perry, 15825 Shady Grove Road, Suite 140, Rockville, MD 20850**.

# KUWAIT UNIVERSITY

## FACULTY OF SCIENCE

### Faculty Positions (3)

**Associate or Full Professorships in Pharmaceutical Sciences/Pharmaceutics, Pharmaceutical Chemistry, Pharmacology**

**Faculty of Pharmacy  
Kuwait University**

The Faculty of Pharmacy, Kuwait University, invites applications for three full-time faculty positions in:

#### 1) **Pharmaceutics or biopharmaceutics and pharmacokinetics**

Applicants should possess teaching expertise in physical pharmacy or biopharmaceutics and pharmacokinetics and demonstrated research experience in targeted drug delivery systems, new dosage form design, or biopharmaceutics.

#### 2) **Pharmaceutical Chemistry**

Applicants should possess teaching expertise in analytical, medicinal, or natural product chemistry and must have demonstrated achievements in research in drug analyses, drug design and synthesis, or natural product chemistry.

#### 3) **Pharmacology**

Applicants should possess teaching expertise in pharmacology, toxicology, and applied therapeutics and must have developed a successful ongoing research program.

Applicants should preferably have a first degree in pharmacy. Successful applicants will be expected to teach at both the undergraduate and graduate levels, to contribute to the development of the Faculty, and to establish an active, collaborative research program within the Health Science Faculties. Rank and salary will be commensurate with experience and qualifications. Appointments are subject to contract.

Kuwait University offers:

- 12 month tax free salary
- 2 month paid summer vacation
- Other benefits include: housing and furniture allowance; annual air tickets for appointee, spouse; and 3 children up to the age of 18; free national health medical care; free tuition for dependent children under the age of 18 through high school in accordance with Kuwait University regulations; paid mid-term holidays and summer vacation; and end of service gratuity equal to one month of basic salary for each year of service.
- Financial support for research through competitive awards system.
- Excellent academic environment in newly established college.

Applications may be obtained from:

**Embassy of the State of Kuwait  
Kuwait University Office  
3500 International Drive, NW  
Washington, DC 20008  
Telephone: 202-363-8055**

Letters of application accompanied by a complete curriculum vitae and the names, addresses, telephone and facsimile numbers, and E-MAIL addresses of three references should be submitted to:

**Professor David Briggs  
Dean, Faculty of Pharmacy  
Health Sciences Center, Kuwait University  
P.O. Box 24923, Safat Code No. 13110  
KUWAIT**



## POSITIONS OPEN

### POSTDOCTORAL FELLOW—IMMUNOLOGY

Recent Ph.D. required for studies of the interaction of peptides with class I MHC molecules. Emphasis on understanding the role of peptide/MHC on epitope selection and immunogenicity in both mouse (LCMV) and human (HIV) virus infections. Please send curriculum vitae, list of publications, and three letters of reference to:

Jeffrey Frelinger  
University of North Carolina at Chapel Hill  
Department of Microbiology and Immunology  
CB Number 7290, FLOB  
Chapel Hill, NC 27599-7290  
FAX: 919-962-8103  
Email: jfrelin@med.unc.edu

The University of North Carolina at Chapel Hill is an Affirmative Action/Equal Opportunity Employer. Applications from women and minorities are encouraged.

### MICROBIAL IMMUNOLOGY AND PATHOGENESIS

Two POSTDOCTORAL POSITIONS available immediately in immunology and pathogenesis of medical fungi (*J. Biol. Chem.*, 270:30725, 1995; *J. Immunol.*, 154: 753, 1995; *Trends Microbiol.*, 4:246, 1996). Immunology studies will define and characterize mechanisms of protective immunity to *Blastomyces dermatitidis* in a murine model and seek to harness them by genetic immunization. Pathogenesis studies will involve molecular genetic manipulation of the fungus through gene transfer to identify and characterize virulence mechanisms. Positions require strong background and experience in molecular biology and in either immunology or cell biology. Salary commensurate with experience. Send curriculum vitae and names of three references to: Bruce Klein, University of Wisconsin, 600 Highland Avenue, Room K4/434, Madison, WI 53792. FAX: 608-263-0440.

### TWO POSTDOCTORAL POSITIONS Molecular Genetics and Microbial Physiology

The Tufts University Biotechnology Center invites applications for positions for (1) the study of structure and regulation of spider silk genes, and (2) the study of lipopolysaccharide biosynthesis in an *Acinetobacter*. Applicants should have a Ph.D. and experience in gene mapping and molecular cloning, and transposon mutagenesis for position (2). Please send a curriculum vitae and the names of three references to: David Kaplan, Tufts University, Biotechnology Center, 4 Colby Street, Medford, MA 02155. Applications will be reviewed immediately. Tufts is an Affirmative Action/Equal Opportunity University. Members of underrepresented groups are encouraged to apply.

A POSTDOCTORAL FELLOWSHIP is currently available to study the molecular mechanisms by which synaptic activity and trophic factors regulate neuronal development and excitotoxic injury. Transgenic and tissue culture models will be employed. Applicant should have extensive experience with molecular biological techniques. Send curriculum vitae to: Robert Kalb, Department of Neurology, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06520. Email: Robert.Kalb@Yale.edu.

### POSTDOCTORAL RESEARCH

Immediately available: TRAINING in molecular genetics of cardiomyopathies; two-year commitment. Applicants with Ph.D. in biology or biochemistry and experience in molecular biology techniques. Position may be funded by NIH training grant; applicants must meet eligibility requirements. Please send curriculum vitae and names of three references to: Section Chief, Cardiology, Baylor College of Medicine, One Baylor Plaza, SM 677, Houston, TX 77030. An Equal Opportunity/Affirmative Action/Equal Access Employer.

POSTDOCTORAL POSITION available at the end of 1996/beginning of 1997 to study the genetic basis of Type-2 diabetes mellitus in the Pima Indians of Arizona. Studies involve gene isolation, mutation screening, marker genotyping, and mRNA analysis. Experience in molecular genetics and molecular biology and interest in diabetes research desired. Send curriculum vitae and names of three references to: Michal Prochazka, M.D., CDNS/NIDDK, 4212 North 16th Street, Phoenix, AZ 85016.

## POSITIONS OPEN



POSTDOCTORAL RESEARCH ASSOCIATE position available immediately to study cellular and sub-cellular events involved in inflammatory and epithelial changes in the lung following exposure to air pollutants. The studies utilize novel and innovative *in vivo* and *in vitro* approaches to examine biological responses. Participation in studies aimed at analyzing cytokines, cell adhesion molecules, cytoskeleton, inflammation, epithelial injury, and immunological responses is expected. Starting salary \$25,000 to \$30,000 per year. Contact:

Deepak K. Bhalla, Ph.D.  
Department of Occupational and  
Environmental Health Sciences  
628 Shaper Hall  
Wayne State University  
Detroit, MI 48202  
Telephone: 313-577-3980  
Email: dbhalla@wizd.pharm.wayne.edu

Wayne State University is an Equal Opportunity/Affirmative Action Employer. All buildings, structures, and vehicles at Wayne State University are smoke-free. Wayne State University—People working together to provide quality service.

### POSTDOCTORAL POSITIONS

#### The Aaron Diamond AIDS Research Center

POSTDOCTORAL POSITIONS are available immediately in the laboratories of Drs. Cecilia Cheng-Mayer, David Ho, Richard Koup, Nathaniel Landau, and John Moore. Projects include studies of HIV pathogenesis and viral dynamics, HIV regulatory genes and the cell cycle, humoral and cellular immunology, and chemokine receptors for viral entry. Virology/immunology/molecular biology experience will be required. Send curriculum vitae and names of three references to: Sidney Ho, The Aaron Diamond AIDS Research Center, 455 First Avenue, New York, NY 10016. The Diamond Center is an affiliate of The Rockefeller University. The Diamond Center is an Equal Opportunity Employer.

POSTDOCTORAL positions available immediately to study molecular mechanisms of gene regulation in bile acid synthesis. Experience in molecular biology, protein purification, protein-DNA interactions, and tissue culture is essential. Please submit curriculum vitae to: Dr. John Chiang, Department of Biochemistry and Molecular Pathology, Northeastern Ohio Universities College of Medicine, P.O. Box 95, Rootstown, OH 44272-0095. FAX: 330-325-2524; Email: jchiang@neoucom.edu.

POSTDOCTORAL POSITION is available immediately for a minimum of two years in NIH-funded neuroscience research project on cerebral ischemia. A candidate must have a Ph.D. degree with experience in neurophysiology (EEG and evoked potentials) and/or neurochemistry (cellular-molecular). Send curriculum vitae and three references to: Dr. Pauline Ting, Department of Pediatrics, Howard University, 2041 Georgia Avenue, NW, Washington, DC 20060. FAX: 202-865-4558. Equal Opportunity/Affirmative Action Employer.

### POSTDOCTORAL POSITION MOLECULAR PARASITOLOGY

A position is available to study mechanisms of gene expression and molecular pathogenesis in the protozoan parasite *Trypanosoma cruzi*. Studies address the promoter structures, mechanisms of mRNA maturation, and genetic manipulation of these parasites. Send curriculum vitae and letters of reference to: Gregory A. Buck, Box 980678, MCV Campus, Virginia Commonwealth University, Richmond, VA 23298.

### DEVELOPMENTAL BIOLOGIST

POSTDOCTORAL position available to study transcriptional regulation and neuronal/glia differentiation during mouse embryonic development. Experience in pronuclear injection and construction/analysis of transgenic mouse techniques is preferred. Please send curriculum vitae and a list of references to: Dr. Sadhan Majumder, MD Anderson Cancer Center, 1515 Holcombe Boulevard, Box 100, Houston, TX 77030. Telephone: 713-792-8920; FAX: 713-792-6054; Email: majumder@utmdacc.mda.uth.tmc.edu.

## POSITIONS OPEN

Three POSTDOCTORAL RESEARCH ASSOCIATE positions, funded by NIH, are available September 1, 1996, to study the acute and chronic aspects of the negative effect of alcohol on cardiovascular neurobiology. Studies will involve hemodynamic and electrophysiologic measurements in chronically instrumented conscious rats as well as central administration of drugs to investigate the role of central sympathetic pathways in the interaction. Candidates must have a Ph.D., M.D., D.V.M., or equivalent degree. Familiarity with molecular neurobiology and autoradiography is desirable. Send curriculum vitae, description of research experience, and names of three references to: Dr. Abdel A. Abdel-Rahman, Department of Pharmacology, East Carolina University School of Medicine, Greenville, NC 27858. Federal law requires proper documentation of identity and employability at the time of employment. Affirmative Action/Equal Opportunity Employer.

FIRE ECOLOGIST and FIELD BIOLOGIST, to join the ecological management team for the Massachusetts Audubon Society's 24,000-acre sanctuary system. Both positions have a state- and region-wide conservation mandate. Fire ecologist, based on Nantucket, will continue and expand long-term research, conduct controlled burns, and assist with other ecological management; Ph.D. in botany and relevant experience required. Field biologist will coordinate ecological management planning/implementation and participate in research; M.S. or Ph.D. in botany, zoology, or ecology and relevant experience required. Send curriculum vitae and names of four references to: Kay Beaver, Center for Biological Conservation, 208 South Great Road, Lincoln, MA 01773.

### POSTDOCTORAL POSITION BIOPHYSICAL CHEMISTRY

Theoretical and computational studies of optical spectra of proteins and nucleic acids with applications in protein folding and protein-nucleic acid interactions. Ph.D. required, preferably in biophysical chemistry or related area, with experience in computational chemistry. Send curriculum vitae and three reference letters to: Professor Robert W. Woody, Department of Biochemistry and Molecular Biology, Colorado State University, Fort Collins, CO 80525. Applications must be complete by September 1, 1996 to ensure consideration. Colorado State University is an Equal Opportunity/Affirmative Action Employer. Employment Opportunity Office: 21 Spruce Hall.

POSTDOCTORAL POSITION available to study the molecular mechanism of V(D)J recombination, related aspects of double strand DNA break repair, and hairpin DNA metabolism. Projects involve methods in molecular biology, cell biology (early B, T cell differentiation), and biochemistry: expertise in one of these areas is desirable. Submit curriculum vitae and three references to: Dr. Susanna M. Lewis, Department of Immunology, University of Toronto, Medical Sciences Building, Toronto, Ontario M5S 1A8 Canada. FAX: 416-978-1938; Email: Lewis@immune.med.utoronto.ca. Equal Opportunity Employer.

POSTDOCTORAL POSITION is available immediately to study the degradation, glycosylation, and trafficking of ER proteins. Experience in modern molecular techniques is required and strong background in chemistry is desirable. Send curriculum vitae and three letters of reference to: Dr. Juris Ozols, Department of Biochemistry, University of Connecticut Health Center, Farmington, CT 06032.

An Affirmative Action/Equal Opportunity Employer, Minorities/Females/Disabled/Veterans.

POSTDOCTORAL RESEARCH ASSOCIATE: Study of thalamic contribution to behaviors relevant to schizophrenia. Experience with microinjections, rodent behavior, and startle responses would be useful. Qualified applicant must be U.S. citizen/resident. Send résumé and three reference telephone numbers to: Keith A. Young, Ph.D., Neuroscience Lab (151w), Central Texas Veterans Health Care System, 4800 Memorial Drive, Waco, TX 76711. For more information, visit <http://www.vvm.com/~tempva/newgrant>.

POSTDOCTORAL POSITIONS available to study leukocyte motility in the nervous system, to start June 1997. Include a brief, specific description of the basis for your interest, relevant experience, and fellowships for which you are eligible. Experience in cellular immunology and/or cell migration studies is desirable. Reply to: Dr. L. Lampson, Laboratory of CNS Immunology and Tumor Biology, Neurology/LMRC 116, Brigham and Women's Hospital, Boston, MA 02115.

**UNIVERSITY OF CANTERBURY  
NEW ZEALAND**
**Senior Lecturer or Lecturer in Zoology  
(Terrestrial Vertebrate Ecology)**

Applications are invited from terrestrial vertebrate ecologists with research interests in birds and/or mammals for a tenured position, as above, in the Department of Zoology. The minimum qualification on appointment is the Ph.D. degree or equivalent; postdoctoral experience is preferred and applicants with records of substantial published research may be considered for a Senior Lectureship (comparable to an Associate Professorship in North America). Preference is likely to be given to a field ecologist with strengths in biometrics. The appointee can expect to contribute to courses in vertebrate biology, terrestrial ecology, and general zoology at the undergraduate level, and to teach a postgraduate course in their area of specialisation. He or she will be required to develop an active programme of research and to supervise postgraduate students.

The salary for Senior Lecturers is on a scale from NZ\$55,000 to NZ\$63,000 (bar), and NZ\$66,000 to NZ\$70,000, and for Lecturers is on a scale from NZ\$42,000 to NZ\$52,000 per annum.

Applications close on 30 September 1996.

Academic enquiries should be made to the Head of Department, Professor M J Winterbourn, Fax 64-3-364-2024, or Email: <vert@zool.canterbury.ac.nz>. Conditions of Appointment and further particulars will be airmailed on request to <staffing.acad.appts@regy.canterbury.ac.nz>. The University's World Wide Web address is <http://www.regy.canterbury.ac.nz/home.html>. Applications, quoting Position No. ZO4, must be addressed to:

The Registrar, Attention Staffing Section,  
University of Canterbury, Private Bag 4800,  
Christchurch, New Zealand.

The University has a policy of equality of opportunity in employment.

# The University of Auckland - New Zealand

The University of Auckland is the largest university in New Zealand with a student population approaching 25,000. Staff are vigorously developing and strengthening its already strong reputation for teaching and research. The University aims to have 25% of its students in postgraduate study within the next five years. Auckland is the country's commercial, industrial and communications centre, and at the heart of its fastest growing region. It offers an attractive range of lifestyles and activities.

The University has the following vacancies available in the School of Marine and Environmental Sciences for which it invites applications:

**Director - Leigh Marine  
Laboratory  
Vacancy UAC.744**
**Lectureship in Physical  
Oceanography  
Vacancy UAC.745**
**Associate-Professor in  
Coastal Oceanic Modelling  
Vacancy UAC.746**
**Lectureship (Half-Time) in  
Environmental Chemistry  
Vacancy UAC.747**
**Two Lectureships in  
Environmental Science  
Vacancy UAC.748**
**Procedures**

Further information, Conditions of Appointment and Method of Application should be obtained from the Academic Appointments Office, The University of Auckland, Private Bag 92019, Auckland, New Zealand, phone 64-9-373 7599 ext 5097, fax 64-9-373 7023, email: appointments@auckland.ac.nz. **Three copies** of applications should be forwarded to reach the Registrar by **5 August 1996**.

**Please quote the relevant Vacancy Number in all correspondence.**

W B NICOLL, REGISTRAR


**New Zealand**

*The University has an  
equal opportunities  
policy and welcomes  
applications from all  
qualified persons*


**The University of Sydney  
AUSTRALIA**
**COMPUTER SCIENTIST/BIOINFORMATICIAN**

Centre for Proteome Research and Gene-Product Mapping  
Department of Microbiology

Reference No. A22/01

Applications are requested from interested people possessing expertise across several operating systems, hardware platforms and programming languages and a capacity to trouble shoot in data handling, robotics and image analysis. They would be responsible for daily data management and liaising with a dozen biologists in the field of genomics based around protein output from cells. They would be expected to develop new software for improved interrogation of protein databases (motif-based tools for automated gap optimisation and protein profiling) and interfacing software for prototype robotics interacting with object detection software and laser technology. An intimate working relationship with the staff at the Australian Genomic Information Centre will be encouraged. Recent post doctoral biologists with appropriate experience in bioinformatics are also encouraged to apply.

The position is available until April 1999. Membership of a University approved superannuation scheme is a condition of employment for new appointees. Selection criteria are available at <http://www.usyd.edu.au/su/external/vacancies/vacancies.html> or by contacting Dr Ian Humphrey-Smith on 61 2 209 4500 or fax 61 2 351 4571 or email revees04@anglis.su.oz.au.

Salary: Level 6 AS34,026 - AS36,842 p.a.

Level 7 AS37,546 - AS41,065 p.a.

(Level of appointment and responsibility will be commensurate with qualifications and experience)

Closing: 12 July 1996

Applications must include: Reference No, curriculum vitae and the names, addresses and phone nos of two confidential referees to: The Personnel Officer, (Sciences Group), Carlsaw Building, (F07), The University of Sydney, NSW, 2006 Australia.

Equal employment opportunity and no smoking in the workplace are University policies. The University reserves the right not to proceed with any appointment for financial or other reasons.

18717



**Kantonsspital Basel  
Universitätskliniken**

Neurologische Universitätsklinik, Kantonsspital, University of Basel, Medical School, Switzerland

invites applications for

**Group Leader in  
Neurobiology Research**

The individual will direct and conduct research in molecular mechanisms of diseases of the peripheral nervous system, a major topic of the department.

Promotion to a tenured professorship is possible. Qualifications include a Ph. D., M. D. or equivalent degree and research experience in the field of neurobiology of peripheral nerve disorders.

Interested individuals should send curriculum vitae, reprints, a statement of research and future directions, along with names, addresses and telephone/fax numbers of three references to Prof. Dr. Andreas Steck, Head of Department of Neurology, Kantonsspital Basel, CH-4031 Basel. Deadline for application is August 31st 1996.



J327976

## POSITIONS OPEN

### POSTDOCTORAL ASSOCIATE

A POSTDOCTORAL POSITION is available to study the posttranscriptional regulation of early development in *Xenopus* and mouse, particularly with respect to cytoplasmic mRNA processing and translational control. Useful references include: Gebauer *et al.*, *EMBO J.*, 13: 5712-5720, 1994; Hake and Richter, *Cell*, 79:617-627, 1994; Kuge and Richter, *EMBO J.*, 14:6301-6310, 1995; Stebbins-Boaz *et al.*, *EMBO J.*, 15:2582-2592, 1996. We anticipate experiments that will include the analysis of RNA-protein interactions, oocyte microinjection, and the generation of transgenic mice. Interested persons should send a complete curriculum vitae, with the names and addresses of three persons who may act as references, to: Dr. Joel D. Richter, c/o Human Resources, Worcester Foundation for Biomedical Research, 222 Maple Avenue, Shrewsbury, MA 01545 U.S.A.

### MOLECULAR PSYCHIATRY YALE MEDICAL SCHOOL

POSTDOCTORAL POSITION available immediately to study the intracellular mechanisms of drug addiction in transgenic mice. The candidate will utilize primarily behavioral methods such as drug self-administration and conditioned place preference in conjunction with biochemical analyses as part of a multidisciplinary group. Prior experience with the drug self-administration method and biochemical techniques, and a Ph.D. in neuroscience, pharmacology, or experimental psychology is desired. Send curriculum vitae and three letters of reference to: Dr. David W. Self, Division of Molecular Psychiatry, Yale University School of Medicine, 34 Park Street, New Haven, CT 06508.

### POSTDOCTORAL/RESEARCH FACULTY Structural Biology

Two positions are available immediately to study 1) structural determinants of recognition in DNA/protein complexes and 2) folding and assembly of prokaryotic viral proteins. Both positions will involve use of laser Raman and UVRR spectroscopies to probe biomolecular structures. Background in biochemistry/biophysics or molecular biology is preferred. English proficiency is required, as some supervision of graduate students is expected. Please send curriculum vitae and have three letters of reference forwarded to: Dr. George J. Thomas, School of Biological Sciences, BSB-403, University of Missouri, Kansas City, MO 64110. UMKC is an Equal Opportunity/Affirmative Action Employer.

### POSTDOCTORAL POSITION Infectious Diseases, Department of Pediatrics Case Western Reserve University

A POSTDOCTORAL POSITION is available to study the phenotype of immunoglobulin-deficient knockout mice. Applicants should be experienced in *in vitro* analysis of immune function, B-cell immunology, molecular biology of immunoglobulin genes. Send curriculum vitae and references to: Dr. John R. Schreiber, Chief, Division of Infectious Diseases, Rainbow Babies and Childrens Hospital, 11100 Euclid Avenue, Cleveland, OH 44106. Telephone: 216-844-3645. Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL ASSOCIATE position is available to identify melanoma antigens based on tumor specific RNA processing of pigment genes, and to test their efficacy as immunotherapeutic agents in transgenic mouse models; or to analyze the molecular genetic basis for osteosarcoma and other skeletal defects in transgenic mice. Strong current experience in molecular biology is required. Send curriculum vitae and names of references to: Dr. Beatrice Mintz, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. We are an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION is available to study the molecular mechanisms of growth factor signaling transduction and the role of the growth factor signaling pathways in diseases (*Science*, 268:286-296, 1995). Applicants should have a Ph.D. degree and a strong background in molecular biology or cell biology. Experience in molecular biology is preferred. Please send curriculum vitae and the names and telephone numbers of three references to: Dr. Anning Lin, Department of Pathology, Molecular and Cellular Division, University of Alabama at Birmingham, Birmingham, AL 35294. Email: lin@vh.path.uab.edu. The University of Alabama at Birmingham is an Equal Opportunity/Affirmative Action Employer. Minorities and women are specifically encouraged to apply.

## POSITIONS OPEN

### POSTDOCTORAL FELLOWSHIPS Cardiovascular Division Brigham and Women's Hospital

1) **MOLECULAR BIOLOGY:** Position available to study a silencer containing a dinucleotide repetitive element (see Mori *et al.*, *JBC*, 270:27788, 1995 and *JBC*, 268:26482, 1993). Qualifications include experience in cloning and protein isolation, and interest in gene regulation.

2) **CELLULAR ELECTROPHYSIOLOGY:** Position available to study assembly of voltage-gated K<sup>+</sup> channels (see Babila *et al.*, *Neuron*, 12:615, 1994). Qualifications include experience in cellular electrophysiology and expression studies in *Xenopus* oocytes. Send curriculum vitae and three references to: Dr. Gideon Koren, Cardiovascular Division, Brigham and Women's Hospital, 75 Francis Street, Boston, MA 02115. FAX: 617-732-5132; Email: Koren@calvin.bwh.harvard.edu. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION is available to study molecules regulating synapse development and plasticity. Ongoing projects include: 1) Role of neurotrophins in synapse development and plasticity; 2) Characterization of new genes involved in specific stages of synaptogenesis. The candidate will carry out electrophysiological studies using cultured neurons or brain slices and will learn biochemistry/molecular biology through interacting with molecular biologists in the lab. Experience in electrophysiology is required. A background in Ca<sup>2+</sup> imaging is highly desirable. Applicants should have less than five years of postdoctoral experience. Position starts October 1, 1996. Interested applicants should send a curriculum vitae, letter describing research experience and interests, and three letters of reference to: Dr. Bai Lu, Head, USDP/LDN/NICHD/NIH, Building 49, Room 5A38, 49 Convent Drive, MSC 5430, Bethesda, MD 20892-4480. FAX: 301-480-3526; Email: lub@codon.nih.gov.

### POSTDOCTORAL POSITION MOLECULAR NEUROENDOCRINOLOGY UNIVERSITY OF CALIFORNIA, SAN DIEGO

Molecular and biochemical investigations of regulatory proteases and protease inhibitors required in prohormone processing for the biosynthesis of peptide hormones and neurotransmitters (*FASEB J.*, 8:1269, 1994). The selective roles of proteases, belonging to multiple classes, in the biosynthesis of opioid peptides, neuropeptide Y, and ACTH will be analyzed by gene cloning and expression (sense and antisense), and mutagenesis. Experience in molecular biology and/or gene expression of enzymes/proteins is required. Send curriculum vitae with three references to: Dr. Vivian Hook, Department of Medicine, University of California, San Diego, 9500 Gilman Drive, Number 0822, La Jolla, CA 92093-0822.

### POSTDOCTORAL POSITION CELLULAR AND MOLECULAR NEUROBIOLOGY

The Department of Neurobiology has POSTDOCTORAL positions available to study various aspects of molecular, cellular, and developmental neurobiology. Some major areas of interest are cell-cell and cell-substratum adhesion molecules, neurite outgrowth, and nerve regeneration. Specific studies include: analysis of overexpression, mutation or deletion of adhesion molecules in animals, analysis of genes such as Pox and Pax that control the expression of adhesion molecules and their subsequent roles in the formation of morphogenetic pathways during neural development, identification of signal transduction pathways and the gene programs activated by adhesion molecule binding. Applicants should be recent doctoral graduates and have a strong background in cellular and/or molecular biology. Send curriculum vitae and three letters of reference to: Dr. Gerald M. Edelman, Chairman, Department of Neurobiology, The Scripps Research Institute, 10550 North Torrey Pines Road, SBR14, La Jolla, CA 92037. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS are available to study human DNA polymerase delta. Recent Ph.D. in biochemistry/molecular biology required. Experience in studies of protein phosphorylation, cell cycle, baculovirus expression systems, promoter function or DNA repair are desirable. Send résumé and three references to: Dr. Marietta Lee, Department of Biochemistry and Molecular Biology, University of Miami, P.O. Box 016960, R57 Miami, FL 33101.

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## POSITIONS OPEN

### POSTDOCTORAL POSITION Kidney Biology and Pathology Case Western Reserve University

POSTDOCTORAL POSITIONS are immediately available for a Ph.D. to investigate mechanisms of kidney disease using cell and molecular biology techniques. Faculty research interests include mechanisms of inflammatory tissue injury and atrophy, analysis of transcriptional regulation, control of protein trafficking, kidney development, mucosal immunity, and gene transfer techniques. Experience in molecular biology, cell biology, or biochemistry is desirable. Send letter of application, curriculum vitae, and letters of recommendation to: Dr. Jeffrey R. Schelling, Division of Nephrology, MetroHealth Medical Center, Rammelkamp Center for Research, 2500 MetroHealth Drive, G531, Cleveland, OH 44109-1998.

### NEUROVIROLOGY

A position is available for a POSTDOCTORAL FELLOW (U.S. citizen, permanent resident, or non-U.S. citizen) who has a Ph.D./M.D. or equivalent degree with expertise in molecular biology, virology, molecular genetics, or neuropathology. Applicant will focus on interface between molecular virology and neuropathology. The position includes working in a small group focusing on JC virus and PML pathogenesis. The appointment will be for two years with a salary range between \$25,000 and \$38,000 per year. Please submit a curriculum vitae, statement of research interests, and three letters of reference by June 30, 1996 to: Dr. Gerald Stoner, Laboratory of Experimental Neuropathology, NINDS, NIH, Building 36/Room 4A-29, Bethesda, MD 20892-4126. Telephone: 301-496-6144. NIH is an Equal Opportunity Employer.

### THE CENTER FOR INDOOR AIR RESEARCH POSTDOCTORAL FELLOWSHIP PROGRAM

The Center for Indoor Air Research (CIAR) is accepting applications for the CIAR POSTDOCTORAL FELLOWSHIP Program. The purpose of this program is to further develop the scientific productivity of outstanding young men and women pursuing careers in indoor air research and to stimulate interest in entering the field of indoor air research among individuals with strong backgrounds in related or allied sciences. For details and application brochure, write or call: Center for Indoor Air Research, Postdoctoral Fellowship Program, 1099 Winterson Road, Suite 280, Linthicum, MD 21090. Telephone: 410-684-3777; FAX: 410-684-3729. Deadline for receipt of applications: October 31, 1996.

### POSTDOCTORAL POSITIONS MOLECULAR BIOLOGY

NIH-funded POSTDOCTORAL positions available for highly motivated Ph.D.'s to study the cellular stress response, heat shock proteins, or steroid receptor gene regulation and function. Candidates should be familiar with molecular biological techniques. Send a curriculum vitae along with three references to: Dr. Kevin D. Sarge (stress response), Department of Biochemistry, FAX: 606-323-1037; Email: kdsarge@pop.uky.edu, or Dr. Ok-Kyong Park-Sarge (steroid receptor), Department of Physiology, FAX: 606-323-1070, Email: okp@seqanal.mt.uky.edu, College of Medicine, University of Kentucky, Lexington, KY 40536-0084.

POSTDOCTORAL RESEARCH ASSOCIATE positions are available for studies in HIV immunotherapy and vaccine development. Experience in molecular biology and immunology required; familiarity with phage display methodology and site-specific mutagenesis beneficial. Salary commensurate with experience. Send résumé, summary of relevant experience, and names of three references to: Dr. Abraham Pinter, Public Health Research Institute, 455 First Avenue, New York, NY 10016. FAX: 212-578-0804; Email: pinter@phri.nyu.edu.

### POSTDOCTORAL/RESEARCH ASSOCIATE

Position available in neurochemistry to study signal transduction, G-protein, transcription factor, and gene expression alterations in manic-depression and/or Alzheimer's disease in well-funded laboratory at one of the top 20 NIH-funded institutions. Send curriculum vitae and names of references to: Dr. Richard Jope, SC 1057, University of Alabama at Birmingham, School of Medicine, Birmingham, AL 35294-0017.

## POSITIONS OPEN

### NIH POSTDOCTORAL POSITIONS MOLECULAR BIOLOGIST/VIROLOGIST

Available fall 1996

Laboratory of Immunopathology  
National Institute of Allergy  
and Infectious Disease  
National Institutes of Health

**TWO POSITIONS** available for fellows (less than five years out of degree) to work on retrovirus induced immunodeficiency, basic retroviral biology, and basic immunology. Current activities center on mechanisms of anergy and abnormal cell signaling in AIDS, development of B cell lymphomas with an emphasis on proviral insertional mutagenesis, and interactions of Gag with cellular proteins. Background in molecular biology, cell biology, protein-protein interactions, or signal transduction and strong background in immunology would be beneficial. Salary range begins with \$28,000 and will be commensurate with experience. Qualified and interested candidates should send curriculum vitae and names and addresses of three references to:

Herbert C. Morse III  
Chief, Laboratory of Immunopathology  
NIAID  
Building 7, Room 304  
7 Center Drive, MSC 0760  
Bethesda, MD 20892-0760  
Telephone: 301-496-6379  
FAX: 301-402-0077  
Email: hmorse@atlas.niaid.nih.gov  
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The Carlsbad Environmental Monitoring and Research Center, New Mexico State University (NMSU), has an immediate opening for a **POSTDOCTORAL RESEARCH ASSOCIATE** in Atmospheric Science. The position will conduct aerosol chemistry research in an arid environment. Qualifications: Ph.D. in aerosol science, atmospheric science, environmental science, environmental engineering, or related field. Demonstrated skills in oral and written communication; design, modification, and maintenance of monitoring equipment; computer programming; statistical data analysis and modeling. Duties include: design and implement state-of-the-art methods of atmospheric monitoring; perform statistical data analysis for particles, trace elements, and radionuclides; and coordinate all operations of the atmospheric science program. Salary will be commensurate with qualifications and experience. Please send letter of interest, detailed résumé, and the names, telephone numbers, and affiliations of four references to: Dr. Donald J. Fingleton, Director, Carlsbad Environmental Monitoring and Research Center, 800 West Pierce, Carlsbad, NM 88220. Telephone: 505-234-5500; Email: fingleton@cavern.nmsu.edu. Review of résumés will begin on July 5, 1996, and the position will remain open until filled. Position is contingent upon funding. *NMSU is an Equal Employment Opportunity/Affirmative Action Employer.*

### POSTDOCTORAL POSITION SYNTHETIC ORGANIC CHEMISTRY

One **POSTDOCTORAL POSITION** available in cancer research laboratory with emphasis on the design, synthesis, characterization, and evaluation of novel antitumor agents. Current studies include development of mechanism-based protease inhibitors and novel tryptophan analogs targeted at carcinoid disease. This position funded by NCI training grant and/or NIH R01 grant; successful applicant will meet eligibility requirements for support. Applications, including curriculum vitae, a summary of research interests/experience, and names of three references, should be forwarded to: Dr. Matthew M. Ames, Chair, Division of Developmental Oncology Research, Department of Oncology, Mayo Clinic and Foundation, Rochester, MN 55905. *Mayo Foundation is an Affirmative Action/Equal Opportunity Educator and Employer.*

### POSTDOCTORAL POSITION

Position available immediately for a Ph.D. to study the role of the stress response in mediating diseases of the human urinary tract. Studies employ human tissue and cell culture and do not require animal experimentation. Research experience in molecular biology is essential. Send curriculum vitae and the names of three references to: Dr. Donald Sens, Department of Pathology, West Virginia University, P.O. Box 9203, Morgantown, WV 26506-9203. FAX: 304-293-6249.

## POSITIONS OPEN

### POSTDOCTORAL POSITION Clinical Pharmacology/Pharmacokinetics of Antitumor Agents

The Mayo Cancer Center conducts an extensive developmental therapeutics program for the treatment of cancer. Our laboratory characterizes the pharmacology and metabolism of new agents in conjunction with NCI-sponsored adult Phase I and Phase II clinical trials, and in conjunction with Children's Cancer Group pediatric clinical trials. The laboratory is also funded to conduct pre-clinical pharmacology, metabolism, and mechanisms of action studies with new agents. Candidates should have a strong background in pharmacokinetics, metabolism, and/or pharmacology. Candidates with postdoctoral experience will be considered for a more advanced appointment. Applications, including curriculum vitae, summary of research interests and experience, and names of three references, should be forwarded to: Dr. Matthew M. Ames, Chair, Division of Developmental Oncology Research, Department of Oncology, Mayo Clinic and Foundation, Rochester, MN 55905. *Mayo Foundation is an Affirmative Action/Equal Opportunity Educator and Employer.*

**POSTDOCTORAL FELLOW** position available to investigate mechanisms of signal transduction of lipid inflammatory mediators in the cornea. Background in molecular biology is required with some experience in cell culture and signal transduction desirable. Position is for two to three years. Send curriculum vitae and three references to: Haydee E. P. Bazzan, Louisiana State University Eye Center, 2020 Gravier Street, Suite B, New Orleans, LA 70112. Telephone: 504-568-6700, Ext. 319; FAX: 504-568-5801; Email: hbazan1@lsu.edu. *Louisiana State University is an Equal Opportunity/Affirmative Action Employer.*

### POSTDOCTORAL POSITION

Established group investigating the genetics of CNS diseases seeks individual with extensive training in molecular genetics, preferably with experience in positional cloning strategies. Position has potential for advancement to faculty status. Send curriculum vitae and list of three references to: M. Durner, M.D., Department of Psychiatry, Box 1229, Mt. Sinai Medical Center, 1 Gustave Levy Place, New York, NY 10029. FAX: 212-831-1947.

## ANNOUNCEMENT

### CALL FOR PAPERS

The Fourth International Conference on the Extracellular Matrix of the Reproductive Tract

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To register:

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Department of Ob/Gyn  
University of Gottingen  
Robert-Koch-Strasse 40  
37075 Gottingen, Germany  
P. C. Leppert, M.D., Ph.D.  
Rochester, New York, USA  
Liaison to organizing committee

## SYMPOSIUM

### THE MOLECULAR BIOLOGY OF FIBROTIC LUNG DISEASE

Lung Cell Biology at Woods Hole

Sponsor: Astra Pharmaceuticals.

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The **SYMPOSIUM** will include state-of-the-art presentations on the molecular mechanism of fibrotic lung disease. Topics will include transgenic models of fibrotic lung disease, genetic regulation of the extracellular matrix, cell-matrix interactions, and the role of cytokines and apoptosis during lung injury. Invited speakers include D. Greenspan, B. De Crombrughe, G. Martin, K. Miyazano, F. Ramirez, R. Assoian, and others. Poster presentations are welcome from all participants.

Registration fee is \$250. For details and registration forms contact: Ronald H. Goldstein, M.D., The Pulmonary Center (R-312), Boston University Medical Center, 80 East Concord Street, Boston, MA 02118. FAX: 617-536-8093; Telephone: 617-638-4860.

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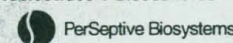
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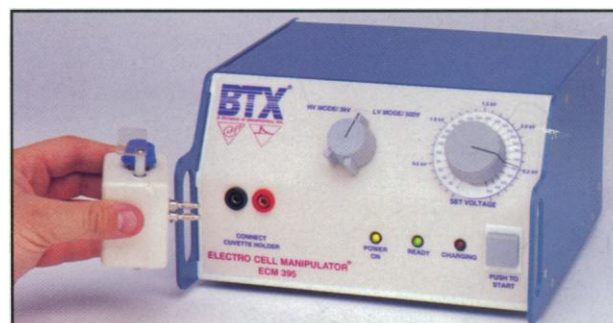
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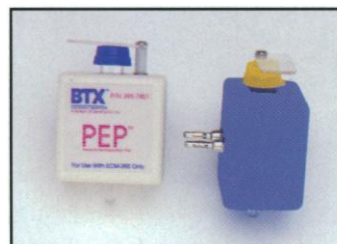
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<sup>1</sup>BIOTECHNIQUES, vol. 17, No. 6: 1058-1062, (1994). "An Optimized Electroporation Protocol Applicable to a Wide Range of Cell Lines"; Baum, C. et al.  
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