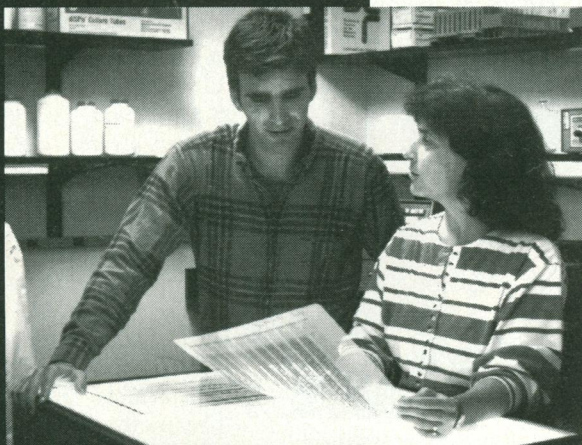


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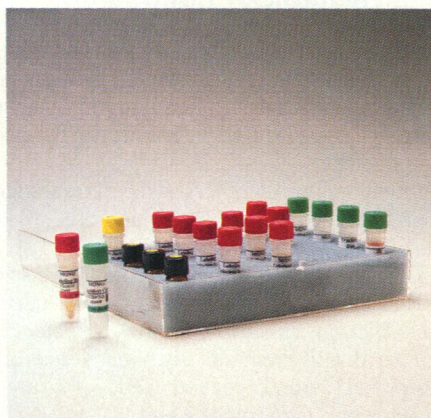


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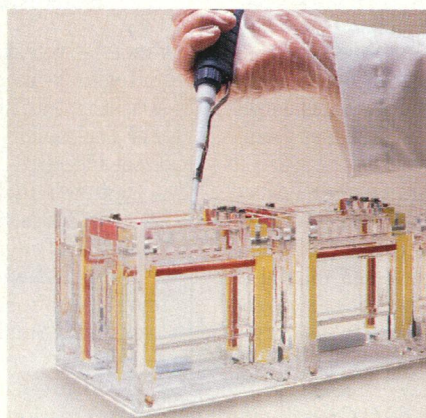
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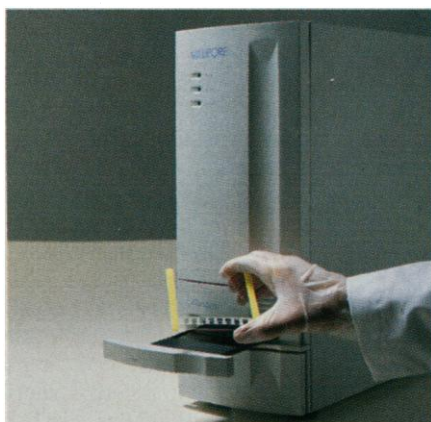
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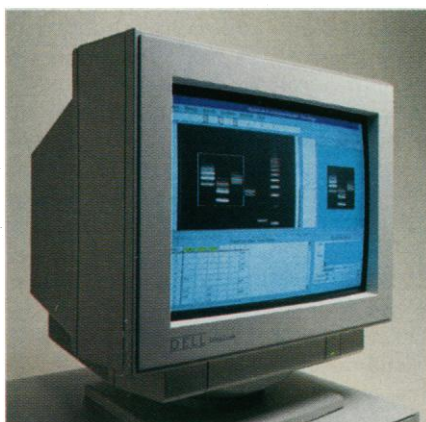
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ranging in size from 10 to 100 bases or more. It has everything required for analysis on P/ACE capillary electrophoresis systems. The eCAP dsDNA 1000 Kit



overcomes many of the problems encountered with traditional slab-gel techniques for double-stranded DNA fragment pattern recognition and molecular size determinations. The LIFluor dsDNA 1000 Kit is similar to the eCAP dsDNA 1000, but includes an intercalating dye to provide enhanced sensitivity when used with the laser-induced fluorescence detection on P/ACE systems. **Beckman Instruments. Circle 143.**

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The Immunoprobe biotinylation kit is for labeling proteins at neutral pH. (Labeling antibodies

with biotin at high pH levels can cause the proteins to denature, with loss of antibody reactivity.) ExtrAvidin, a modified avidin reagent that combines the high binding of avidin with the low background of streptavidin, is available for use in conjunction with biotinylated proteins. **Sigma Immunochemicals. Circle 145.**

SlideCyclers for in Situ Amplification

SlideCyclers have been developed for researchers who perform DNA amplification inside cells or tissues affixed to glass microscope slides. They can save time by replacing makeshift methods. SlideCyclers give simple, uniform, fast, and reproducible cycling based on sample temperature. **Coy Corp. Circle 146.**

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OAKTON Testers is a four-page brochure featuring pocket-sized digital instruments for testing pH, temperature, total dissolved solids, and conductivity. **OAKTON. Circle 147.**

Olympus BHWI Fixed Stage Erect Image Microscope is a data sheet on a device designed to facilitate micromanipulation and electrophysiological experiments in cell research. **Olympus America. Circle 148.**

Wheaton is a catalog featuring more than 250 pages of products for the laboratory and field, including bottles and caps, cell culture equipment, transfer pumps, chromatography vials, staining dishes, environmental samplers, and more. **Wheaton. Circle 149.**

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POSITIONS OPEN

FACULTY POSITION. The Department of Pharmacology, Creighton University School of Medicine, invites applicants for a tenure-track position at the level of **ASSISTANT or ASSOCIATE PROFESSOR**. Applicants should have a Ph.D. in pharmacology, or related discipline, and at least two years of postdoctoral experience. Candidates should have research interests in receptor pharmacology and signal transduction, preferably in neuropharmacology, and will be expected to maintain a research program supported by extramural funding. Candidates must show a proficiency in teaching. Current research interests in the Department include cardiovascular, renal and exocrine pharmacology, adrenergic receptors and molecular pharmacology. Interested individuals should send an outline of future research plans, curriculum vitae, and the names of three references to: **Dr. Frank Dowd, Chairman, Department of Pharmacology, Creighton University, Omaha, NE 68178.** *Creighton University is an Equal Opportunity/Affirmative Action Employer.*

NATURAL RESOURCE MANAGEMENT AND CONSERVATION

ASSISTANT or ASSOCIATE PROFESSOR in the School of Forest Resources and Conservation, University of Florida (UF). 12-month, tenure-track; initial 100% instruction, then 70/30 I/R or E. Duties include: program leadership and instruction in integrated natural resource management, natural resource policy, and natural resource economics. Qualifications include earned Ph.D. in forestry or allied field. Position located in Pensacola, Florida, in conjunction with Pensacola Junior College and the University of West Florida. Call **904-392-4826** for additional information. Applications (résumé, official transcripts, names/addresses of five references) accepted until 18 March 1994. Send to: **George M. Blakeslee, School of Forest Resources and Conservation, P.O. Box 110410, University of Florida, Gainesville, FL 32611-0410.** *UF is an Affirmative Action/Equal Opportunity Employer.*

MOLECULAR BIOLOGY FACULTY POSITION

The Department of Anatomy and Neurobiology at the Medical College of Pennsylvania is seeking a molecular biologist for a tenure-track faculty position at an **ASSOCIATE or FULL PROFESSOR** level. Applicant must have an established, funded research program that utilizes molecular approaches to address important questions in neuroscience or developmental or cellular biology.

Applicants should send curriculum vitae, a statement of research interests and names of three referees to: **Dr. Donald Faber, Chairman, Department of Anatomy & Neurobiology, The Medical College of Pennsylvania, 3200 Henry Avenue, Philadelphia, PA 19129.** Deadline for applications is May 1, 1994. *The Medical College of Pennsylvania is an Affirmative Action/Equal Opportunity Employer and welcomes applications from qualified women and minorities.*

CARDIAC MOLECULAR BIOLOGY/BIOCHEMISTRY

Department of Medicine, University of Pittsburgh Medical Center, seeks well-qualified applicants with a Ph.D., M.D., or M.D./Ph.D. degree and an interest in cardiac molecular biology, cell biology and biochemistry for two openings in the Division of Cardiology. Candidates should have completed a relevant postdoctoral position and be prepared to conduct an independent program of molecular cardiac research. Positions are tenure-track and will be at the **ASSISTANT or ASSOCIATE PROFESSOR** level depending upon experience. The position involves opportunities for participating in either the teaching or clinical activities of the Department of Medicine. Areas of interest include, but are not limited to, myocardial gene transfer, myocyte growth and differentiation, and regulation of cardiac gene expression. Applicants should send curriculum vitae, a statement of research interests, and the names of three references to: **Arthur M. Feldman, M.D., Ph.D., Harry S. Tack Professor of Medicine, Chief of Cardiology, 5th Floor Scaife Hall, 3550 Terrace Street, The University of Pittsburgh School of Medicine, Pittsburgh, PA 15213-2500.** *The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

FACULTY POSITIONS IN CELL AND MOLECULAR BIOLOGY. Two tenure-track positions are available in the Department of Cell Biology and Anatomy at New York Medical College. Appointments can be at the **ASSISTANT, ASSOCIATE or FULL PROFESSOR** level. Preference will be given to individuals applying cellular, molecular or biophysical approaches to research projects with high potential for funding. In addition, candidates should be willing to participate in medical and graduate student teaching programs. Modern laboratory space, equipment, start-up funds and competitive salaries are available in active department within a stimulating environment. New York Medical College is located on an attractive campus in suburban Westchester County within close proximity to the cultural and educational resources of New York City. Send curriculum vitae and names and addresses of 3 references to: **Dr. Joseph D. Etlinger, Professor and Chairman, Department of Cell Biology and Anatomy, New York Medical College, Basic Sciences Building, Valhalla, NY 10595.** *An Equal Opportunity Employer, M/F/V/H.*

FACULTY POSITION IN PHYSIOLOGY UNIVERSITY OF MICHIGAN

The Department of Physiology at the University of Michigan Medical School invites applications for a tenure-track position at the **ASSISTANT/ASSOCIATE PROFESSOR** level. We seek a person utilizing modern techniques of cell and molecular biology to understand physiological processes at the integrative level. The individual must be able to participate effectively in the departmental graduate and medical student teaching program in an area of integrative and/or medical physiology. Candidates should have a Ph.D., M.D., or equivalent degree and a minimum of two years of postdoctoral experience. Applications including complete curriculum vitae, description of research interests, plans for future research, and names of three references should be sent to: **John A. Williams, M.D., Ph.D., Professor and Chair, Department of Physiology, 7744 Medical Science II, University of Michigan, Ann Arbor, MI 48109-0622.** *The University of Michigan is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply.*

ASSISTANT PROFESSOR

The Department of Anatomy and Neurobiology of Boston University Medical School has a faculty vacancy available. The earliest possible starting date is July 1, 1994. Applicants should have had postdoctoral experience, and should be able to participate in the teaching of Microscopic Anatomy and Neuroscience. Applicants should have an active research program. Send applications, together with a statement about present and future research interests, and the names of three referees by March 18, 1994, to: **Faculty Search Committee, c/o Dr. Alan Peters, Department of Anatomy and Neurobiology, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118.**

Boston University is an Equal Opportunity Employer.

X-RAY CRYSTALLOGRAPHY, ASSISTANT OR ASSOCIATE PROFESSOR. The new Center for Pharmaceutical Biotechnology invites applications in macromolecular X-ray crystallography, available September 1994. Ph.D. and postdoctoral experience required. Responsibilities include developing a strong, externally funded research program, and teaching in graduate and professional programs. Successful candidate will have primary appointment within the Center, tenure-track appointment in a College of Pharmacy basic science department, and extensive collaborative opportunities in a major health sciences center. Forward curriculum vitae, description of research interests, and three reference letters to: **Dr. M.E. Johnson, Interim Director, Center for Pharmaceutical Biotechnology (m/c 874), College of Pharmacy, University of Illinois at Chicago, 833 South Wood Street-m/c 874, Chicago, IL 60612-7231.** Screening of applications will begin on 28 March 1994 and continue until position is filled. *Affirmative Action/Equal Opportunity Employer.*

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Research at the Glaxo Institute in Geneva is directed towards the discovery of novel molecular mechanisms that can be used as drug targets to treat serious diseases. In particular, research is focused on the CNS, allergies and inflammatory conditions. We have an outstanding opportunity for a

POSTDOCTORAL SCIENTIST **to investigate neuronal signal transduction during differentiation**

The successful applicant will make a major contribution within a multidisciplinary team identifying crucial molecular components and regulatory events controlling neuronal differentiation and survival. Processes central to the regulation of kinase and phosphatase activities will form an important focus of the project. Informal enquiries to Dr. Steve Arkinstall (SA7182 @ ggr.co.uk) or (tel. ++ 41 22 706 98 42).

The Institute has a strong publication record, which the appointee will be expected to maintain. Attendance and presentation at scientific meetings is encouraged, as well as collaborative research with academic groups.

We offer an excellent compensation and benefits package and significant opportunities for career development. Geneva, situated in a very attractive part of Europe, has many advantages as a place to live. The Institute for Molecular Biology is part of the Glaxo group, one of the world's most successful healthcare companies which has an outstanding reputation for the quality of both its research and products.

If you are interested in this position, please send your curriculum vitae with a list of publications and the names of three referees to : Rita Gloor, Personnel Manager, Glaxo Institute for Molecular Biology S.A., 14, chemin des Aulx, 1228 Plan-les-Ouates, Switzerland.

The Swiss Federal Institute of Technology, Lausanne (EPFL, ETH-L) seeks to appoint a Professor of Biochemical Engineering/ Biotechnology

at the associate or full professorial level. The successful candidate is expected to develop a research program at the leading edge of the technology in Biotechnical Engineering and Biotechnology. Desired areas of research expertise include metabolic engineering, bioreactor development and engineering for animal cell or tissue culture technology, on-line monitoring and control of bioprocesses, down-stream processing, safety of processes and facilities for recombinant protein production. Candidates should have a strong interest in teaching biochemical engineering and general biotechnology both at the undergraduate and graduate levels, and are expected to teach in French after some period of adaptation. The appointed professor will be affiliated to the Institute of Chemical Engineering of the EPFL, but will cooperate closely and share laboratories with a Professor of Molecular Genetics affiliated to the Department of Biology of the University of Lausanne, who also will be appointed in the near future.

Candidates with strong research experience are encouraged to ask the documents pertaining to this position by writing to Professor J.C. Badoux, President, Ecole Polytechnique Fédérale de Lausanne, Centre-Est, CH-1015 Lausanne, Switzerland, and to apply before April 1, 1994.

NEUROPHARMACOLOGIST/ NEUROCHEMIST **Section Head**

Wyeth Research (UK) is part of the R & D Division of the Wyeth-Ayerst organisation, a major international pharmaceutical company. The company's drug discovery activities in the UK are targeted on the CNS.

We are seeking an experienced Neuropharmacologist/Neurochemist with a solid record of success to lead an in vivo microdialysis group in the Department of Neuropharmacology.

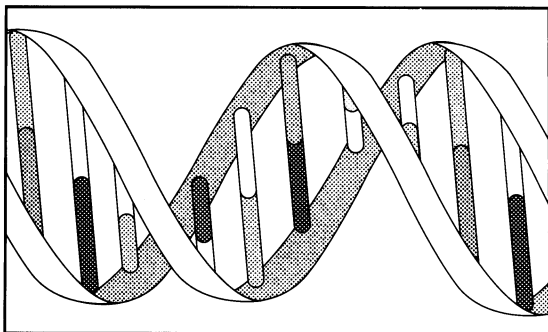
Candidates must have a PhD and extensive post-doctoral research experience of high performance liquid chromatography with electrochemical detection and microdialysis. A background in chronic neurodegenerative disease and/or the application of molecular biology techniques to in vivo studies would also be a considerable advantage. In addition to possessing the required specialist experience, the candidate must also have the ability to lead and motivate a small team of Neuropharmacologists and be dedicated to innovative research as evidenced by a record of high quality publications.

The starting salary will be commensurate with the senior status of the position; there is also a competitive benefits package which includes assistance with relocation where appropriate.

To apply, please write with full career details including current salary and benefits to: The Personnel Manager, Wyeth Research (UK), Huntercombe Lane South, Taplow, Near Maidenhead, Berkshire SL6 0PH. Closing date: Friday 11th March 1994.

Wyeth Research (UK)

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the genetic clues to
diseases

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ZENECA Pharmaceuticals, a major force in the international pharmaceuticals industry, retains the world class values, excellent pedigree and heritage of its originating company ICI.

At our extensive headquarters research and development facilities in Cheshire, talented scientists and state of the art technology combine to produce some of the world's most important medicines.

ZENECA's research department is collaborating with leading clinical and academic laboratories to identify and clone disease associated genes and it is intended that this collaborative approach to research will grow. It is also our intention to explore potential gene-based therapies. This new and exciting initiative requires additional graduate and post graduate molecular biologists.

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We require a PhD molecular biologist with several years post doctoral experience in genome research. You will take a lead role in the isolation of genes involved in a range of polygenic diseases. Experience in DNA cloning and gene isolation techniques is essential and some knowledge of genetics is desirable. *Ref INF7/SJA*

GRADUATE MOLECULAR BIOLOGISTS

Several positions are available, at various levels, for graduates with molecular biology techniques relevant to the analysis of human genomic DNA and the isolation of coding regions. Experience in DNA cloning technology is highly desirable. *Ref INF8/SJA*

TRANSGENICS

We are looking for a scientist to work alongside an existing transgenics group. You will be primarily responsible for work related to developing the greater understanding of specific gene function. Experience in ES cell technology and oocyte technology is desirable. *Ref INF9/SJA*

BIOINFORMATICS

Our requirement is for a talented bioscientist with a background in genetics and experience in developing, maintaining and managing DNA and protein sequence databases. We particularly need a person with flair and innovation to improve methods for data handling and sequence analysis. A knowledge of UNIX and client-server computing is desirable. *Ref INF10/SJA*

ZENECA Pharmaceuticals has already established itself at the forefront of genome research and this new initiative will increase our influence in this exciting and challenging science ... leading to the discovery of new therapies in the areas of cardiovascular, cancer, arthritis, pulmonary, infection and diseases of the central nervous system.

Salaries will reflect the importance placed on the recruitment of high calibre scientists and benefits include pension and relocation assistance to this attractive part of Cheshire ...close to the Peak District and only 18 miles south of Manchester.

**Please write with cv, quoting the appropriate reference, to:
The Personnel Officer, ZENECA Pharmaceuticals, Mereside,
Alderley Park, Macclesfield, Cheshire, SK10 4TG, England.
Closing date: 25th March 1994.**

ZENECA is an equal opportunities employer.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR

The Department of Pharmacology at the University of South Florida College of Medicine invites applications for a tenure-track faculty position at the Assistant/Associate Professor level. Applicants must have a Ph.D. or equivalent in pharmacology, neuroscience or a related discipline with a minimum of 3 years of experience. Individuals are expected to establish an independent research program, to obtain extramural grant support, and to contribute to teaching medical and graduate students. The Department is seeking outstanding scientists with a strong background in molecular neurobiology and an interest in aging. Applicants should submit curriculum vitae, statement of research interests and future plans, and the names of at least 3 references to: L. Wecker, Ph.D., Professor and Chair, Department of Pharmacology and Therapeutics, USFCOM, 12901 Bruce B. Downs Boulevard, MDC Box 9, Tampa, FL 33612-4799. The deadline for receipt of applications is April 21, 1994. *USF is an Equal Opportunity/Equal Access/Affirmative Action Institution. Applicants who need a reasonable accommodation in order to participate in the selection process must notify Nancy Ward at Department of Pharmacology and Therapeutics, USFCOM, 12901 Bruce B. Downs Boulevard, MDC Box 9, Tampa, FL 33612-4799. Telephone: (813) 974-3823, forty-eight (48) hours in advance.*

ANIMAL PHYSIOLOGY. Full-time, three-year appointment at ASSISTANT PROFESSOR level; begins Fall Term 1994. Teach junior-level animal physiology course with strong experimental lab component. Participate in freshman biology courses and labs. While research opportunities are limited during academic year, there is opportunity to pursue research during the summer. Ph.D. in the biological sciences, and commitment to liberal arts and science education and cultural diversity required. Submit interest letter, curriculum vitae and three reference letters, to be postmarked by March 15, 1994, to: Biology Search, University of Puget Sound, P.O. Box 7297, Tacoma, WA 98407. *Equal Opportunity Employer/Affirmative Action.*

BRIDGEWATER STATE COLLEGE

BIOLOGY. ASSISTANT PROFESSOR—beginning fall 1994. Full-time, tenure-track position with a concentration in ENVIRONMENTAL STUDIES. Teach undergraduate and graduate courses. Participate in the development of an Environmental Studies Program. Ph.D. in Biology with extensive background in Environmental Studies and excellent communication skills. Deadline for complete application file: Open and continuing, review of complete application files will begin March 4, 1994. (Letter of intent, curriculum vitae, and the name, address and telephone number of three professional references should be submitted for a complete file). Address all inquiries to: Office of Human Resources, Boyden Hall, Bridgewater State College, Bridgewater, MA 02325. *Bridgewater State College is an Affirmative Action/Equal Opportunity Employer that actively seeks to increase the diversity of its workforce.*

ASSISTANT/ASSOCIATE PROFESSOR OF KINESIOLOGY. Two openings: one in Motor Control/Behavior, the other in Biomechanics. Doctorate required, eligibility for physical therapy licensure preferred. Letter of application, curriculum vitae, copies of up to three published articles in refereed journals, names and addresses of 3 references to: Dr. Gary W. Kraemer, University of Wisconsin-Madison, 1087 MSC, 1300 University Avenue, Madison, WI 53706 by April 1, 1994. Information about confidentiality of applicant names available on request. *Applications encouraged from women, minorities, persons with disabilities. The University of Wisconsin-Madison is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR, TENURE-TRACK. Biology Department, Winthrop University. Duties include teaching of cell biology and investigative biology. Applicants are expected to have the Ph.D. degree with specialization in cell biology, physiology, microbiology, or genetics. Applicants should provide a letter of application, curriculum vitae, statements of research and teaching interests, and three letters of reference sent directly to: Dr. Luckett V. Davis, Chair, Biology Department, Winthrop University, Rock Hill, SC 29733. Review of applications will begin April 1, 1994. *Winthrop University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR, CEREAL CHEMISTRY/TECHNOLOGY

Plant, Soil and Environmental Sciences
Montana State University

Twelve-month, tenure-track, 85% research/15% teaching position available 1 July 1994 to develop an innovative research and teaching program in cereal chemistry. Required: Ph.D. in Cereal Chemistry, Food Science or related field; research experience in cereal quality; record of publication in refereed journals. Before applying, applicants MUST request a complete vacancy announcement from: Kathy Jennings, Plant, Soil and Environmental Sciences, Montana State University, Bozeman, MT 59717-0312; Telephone: 406-994-4601, FAX: 406-994-3933, E-mail: ASSKJ@MSU.OSCS.MONTANA.EDU. NO FAX APPLICATIONS, PLEASE. Application review begins April 1, 1994. *ADA/Equal Opportunity/Affirmative Action/Veteran's Preference.*

HUMAN PHYSIOLOGY

Ball State University
Muncie, Indiana

The Department of Physiology and Health Science is seeking applicants for a tenure-track position as an ASSISTANT PROFESSOR in human physiology beginning August 17, 1994. Primary responsibilities for this position include teaching, scholarly activity, and service. Teaching responsibilities will include general human physiology and at least two of the following upper-level/graduate courses: cardiovascular physiology, endocrinology, pathophysiology, or renal physiology. The successful candidate will be expected to conduct an active research program that should include undergraduate and Master's-level students. **Minimum qualifications:** an earned doctorate in physiology or related field; at least one year of successful experience teaching at the college or university level. **Preferred qualifications:** relevant postdoctoral training and/or research participation and ability to teach human anatomy. Review of applications will begin March 21, 1994, and will continue until the position is filled. Send application letter including description of teaching and research interests, curriculum vitae, undergraduate and graduate transcripts and three letters of recommendation for the position to: Dr. Ed Meyertholen, Chairperson, Search Committee, Department of Physiology and Health Science, Ball State University, Muncie, IN 47306.

Ball State University is an Equal Opportunity/Affirmative Action Employer and is strongly and actively committed to diversity within its community.

PHARMACOLOGY/TOXICOLOGY ASSISTANT PROFESSOR

Applications are invited for a tenure-track faculty position beginning July 1, 1994. Candidate should possess a Ph.D. in Pharmacology-Toxicology. A degree in pharmacy is desirable. Instructional duties include team teaching of anatomy and physiology, pathophysiology and pharmacology courses. Other responsibilities include student advising and graduate teaching in areas of the candidate's interest. The successful candidate would be expected to develop independent research projects, conduct scholarly research and attract extramural support. Applicants should submit a letter of intent, curriculum vitae, statement of research interests and the names, addresses and telephone numbers of three references to: F. W. Fochtman, Ph.D., Chair, Search Committee, Department of Pharmacology/Toxicology, School of Pharmacy, Duquesne University, Pittsburgh, PA 15282.

Environmental Studies: Brown University seeks candidates for a TENURED, ENDOWED ASSOCIATE PROFESSORSHIP in the Center for Environmental Studies, with a joint appointment in a related department, to teach problem-based environmental courses at the introductory and advanced levels and to direct a problem-driven research program on environmental issues of social concern. The ideal candidate has training in the social and natural sciences. *We particularly invite applications from women and minority candidates. Brown University is an Equal Opportunity/Affirmative Action Employer.* Applications received by 15 March 1994 are guaranteed a full review. For a complete job description, contact: Harold Ward, Box 1943, Brown University, Providence, RI 02912; Telephone: 401-863-3449, (Harold_Ward@Brown.Edu).

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR DEPARTMENT OF PHARMACOLOGY

The Department of Pharmacology of one of the nation's leading medical, research and teaching institutions invites applicants for a tenure-track FACULTY POSITION to commence in the fall of 1994. We are seeking individuals with proven expertise in applying modern cellular and molecular approaches to problems in neurobiology. Successful candidates will be expected to maintain a vigorous, externally funded research program and to participate in the teaching of medical and graduate students. Applicants should submit curriculum vitae and the names of 3 references by March 1, 1994, to: Dr. Robert K. S. Wong, Department of Pharmacology, SUNY Health Science Center at Brooklyn, 450 Clarkson Avenue, Box 29, Brooklyn, NY 11203.

EAST STROUDSBURG UNIVERSITY (ESU)

Department of Physics—Full-time, tenure-track ASSISTANT PROFESSOR position beginning fall 1994. Seeking applications from individuals with a background in Geophysics or Atmospheric Physics. Ph.D. preferred. The successful candidate shall have an interest in undergraduate interdisciplinary teaching and shall initially teach half-time in the Geography Department and half-time in the Physics Department. Applicants must be able to teach Meteorology, Climatology and undergraduate Physics laboratories. Additional consideration shall be given to candidates with experience in a Teaching of Science course. Salary commensurate with qualifications. Applicants should send résumé, statement of experience and three letters of reference by April 25, 1994, to: Dr. M. A. Mogus, Chair, Physics Department, East Stroudsburg University, East Stroudsburg, PA 18301.

ESU is an Affirmative Action/Equal Employment Opportunity Employer, M/F/H/V. A Pennsylvania State System of Higher Education University.

ASSISTANT PROFESSORS Departments of Neuro-Oncology, Neurosurgery, and Brain Tumor Center

Tenure-track positions available for a Ph.D. or M.D./Ph.D. with experience and expertise in conducting laboratory research in molecular and cellular biology with specific emphasis in one or more of the following areas: signal transduction, tumor suppressor genes, protein tyrosine kinases, extracellular matrix, tumor invasion, or molecular strategies for solid tumor therapy. Experience with brain tumors is encouraged but not required. Salary and benefits are highly competitive. Send curriculum vitae, summary of research interests, and references to: Victor A. Levin, M.D., Department of Neuro-Oncology-Box 100, University of Texas M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030.

Equal Opportunity/Affirmative Action Employer. Smoke-free environment.

ASSISTANT PROFESSOR—BIOCHEMISTRY/MOLECULAR BIOLOGY. The University of West Florida Center for Environmental Diagnostics and Bioremediation seeks applicants for a tenure-track faculty position available August 1994 or January 1995. The successful candidate will be expected to establish an externally funded research program and to teach biochemistry and/or molecular biology. Preference would be given to candidates studying aspects of microbial chemistry, including areas such as enzymology, evolution and regulation of catabolic pathways, and processing of proteins and/or nucleic acids. Qualifications include a Ph.D. and postdoctoral research experience in a relevant area. Salary is negotiable. Applicants should submit a statement of research and teaching interests, curriculum vitae, transcripts, reprints, and three letters of reference by April 15, 1994, to: Dr. K. Ranga Rao, Director, CEDB, The University of West Florida, 11000 University Parkway, Pensacola, FL 32514. *An Affirmative Action/Access/Equal Opportunity Employer.*

FACULTY OF SCIENCE -
UNIVERSITY OF LAUSANNE

Applications are invited for the post of :

**FULL PROFESSOR
MOLECULAR GENETICS**
in the Institut de Biologie animale.

The successful applicant will direct a research group in a laboratory common to the University and the Federal Polytechnic School. He or she will teach, in French, molecular genetics at the pre- and post-graduate levels in collaboration with colleagues in the Institut de Biologie animale. A research programme near the interface of genetics and biotechnology is sought, particularly in the areas of gene structure-function, signal transduction or protein design.

A CV, copies of diplomas, summary of future interests, three representative publications together with a list of referees should be addressed to: Doyen de la Faculté des sciences, Collège propédeutique, CH-1015 Lausanne, Switzerland.

Vice President for Health Affairs

Case Western Reserve University invites nominations or applications for the newly created position of Vice President for Health Affairs. Collectively, the School of Medicine, the School of Dentistry, and the Frances Payne Bolton School of Nursing have 1,300 full-time and 1,700 part-time faculty and 1,500 students. Extramural support for research and training programs in the three schools totals more than \$90 million. Academic teaching and research facilities for these programs are located in the University's health sciences campus, in close proximity to the other schools in the University. The most recent addition to this complex is a new Biomedical Research Building with 150,000 sq. ft. of research space. The University maintains close and growing affiliations with major primary and tertiary care institutions in the region as well as nationally and internationally.

Reporting to the President, the Vice President for Health Affairs will provide institutional leadership for the health sciences. The University seeks an individual of distinguished academic accomplishment to represent the University in the development of a community-wide, multidisciplinary academic health center. Serving as the University's advocate and spokesperson for the Health Sciences, both internally and externally, the Vice President will coordinate activities and academic programs of common interest to the three health science schools, including affiliations, interdisciplinary initiatives, and fund-raising. The Vice President will have administrative oversight for the School of Medicine, comprising 27 basic science and clinical departments, and will be responsible for supervision of research, for professional education, for facilities needs, for hospital affiliations, and for the budget.

Send nominations or letters of application with complete curriculum vitae and bibliography to:

Chair, Search Advisory Committee for Vice President for Health Affairs, c/o Office of the President, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, Ohio 44106-7001

Review of submissions will begin in March 1994.

In employment as in education, Case Western Reserve University is committed to Equal Opportunity and Affirmative Action.



CASE WESTERN RESERVE UNIVERSITY

The field of pharmaceuticals and health care is more rewarding than ever as new products create a healthier world population. As one of the leaders in this dynamic industry, Pfizer Inc, a Fortune 100 company, is committed to continuing its remarkable growth. We are currently seeking scientists to expand our drug discovery program.

C Cardiovascular Scientists

Research Scientist, PhD

Join an active team of investigators in the discovery of novel therapeutics for the treatment of cardiovascular disease. A PhD in Pharmacology, Physiology, Biochemistry or related discipline and a minimum of 2 years postdoctoral training required. Experience in the application of pharmacological, biochemical and physiological techniques to assess vascular and cardiac function in isolated tissue bath preparations essential. Background in the areas of heart failure, vascular endothelial function or myocardial ischemia/reperfusion injury an asset.

Assistant Scientist, BS/MS

In this key position, you will study the pathophysiology of cardiovascular disease. Experience in biochemistry, radioimmunoassay, ligand/receptor binding assays and/or molecular biology desired. Work with isolated tissue preparations and/or cell culture systems. Minimum of 1 year experience in a research laboratory as well as the ability to work well in a team environment and summarize/communicate results effectively are required.

We offer competitive salaries and flexible benefits package including medical and dental insurance, paid holidays and vacation, educational assistance, savings and investment plan, pension plan, relocation assistance and more. To learn how you can be part of the future of Pfizer, send your resume, including a list of three references, to: **Ms. Lynn Beaulieu, Supervisor, Employee Resources, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340.** We are an equal opportunity employer.



Central Research

POSITIONS OPEN

FACULTY POSITION IN FOREST GENETICS MICHIGAN STATE UNIVERSITY

The Department of Forestry is seeking applicants for a tenure-track **ASSISTANT PROFESSOR** of forest genetics position (70% research, 30% teaching). The successful applicant is expected to build a scholarly research program in population, molecular, physiological, or ecological genetics, teach one-semester courses in forest genetics at the graduate and undergraduate level, be actively involved in graduate-student advising, and contribute to the interdepartmental Plant Breeding and Genetics Program. Candidates must have a Ph.D. in plant or forest genetics and one degree in forestry. A commitment to excellence in teaching and research, an interest in working with woody plants, and knowledge of current research technologies in plant genetics are primary search criteria. Submit a letter of intent, curriculum vitae, and four letters of reference before March 31, 1994, to: **Dr. Donald I. Dickmann, Forest Genetics Search Committee, Department of Forestry, Michigan State University, East Lansing, MI 48824-1222.** *Michigan State University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minority candidates.*

CELL BIOLOGIST UNIVERSITY OF CALIFORNIA, IRVINE

The Department of Developmental and Cell Biology invites applications for a tenure-track position at the **ASSISTANT PROFESSOR** level in Cell Biology. Applicants whose research interests are in any area of cell biology will be considered. Those studying signal transduction, organelle biogenesis, protein targeting, cell cycle control or using genetic systems to study basic cellular problems are especially encouraged to apply. The successful applicant is expected to develop a strong independent research program, and to participate in the teaching of cell biology at the undergraduate and graduate levels. Applicants should send curriculum vitae, a statement of research interests and the names and addresses (include FAX number) of three referees by April 1, 1994, to: **Chair, Cell Biology Search Committee, Department of Developmental and Cell Biology, University of California, Irvine, CA 92717-2300. Telephone: (714) 856-5959.** *The University of California at Irvine is an Equal Opportunity/Affirmative Action Employer committed to excellence through diversity.*

SCIENCE EDUCATION WITH BIOLOGY EMPHASIS. Tenure-track position at **ASSISTANT** or **ASSOCIATE PROFESSOR** level to begin September 1994; Ph.D. required. The Biology Department at Western Washington University seeks applicants with expertise in science education and competence in biology. Teaching responsibilities will be divided equally between Science Education and the Biology Department, and will include supervision of student teachers and graduate students in science education. The successful applicant will be expected to maintain a research program involving science education or biology. Applicants should submit curriculum vitae, a statement of teaching and research accomplishments, recent reprints, and four letters of reference to: **Dr. Jal Parakh, Science Education Search Committee, Biology Department, Western Washington University, Bellingham, WA 98225-9060. Telephone: 206-650-3627; FAX: 206-650-3148.** Review begins 17 March 1994; the position will remain open until filled. *Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR OF PHARMACOLOGY:

The Department of Physiology/Pharmacology at the University of Osteopathic Medicine and Health Sciences is seeking candidates for a tenure-track assistant professor position. A Ph.D. degree is required with primary responsibility for teaching medical pharmacology in several university programs. The candidate will have the opportunity to conduct independent research or participate in departmental research programs. Letter of interest, curriculum vitae and names of three references should be sent to: **Mearl Kilmore, Ph.D., Professor and Chairman of Search Committee, Department of Physiology/Pharmacology, 3200 Grand Avenue, Des Moines, IA 50312.** *The University is an Equal Opportunity Employer.*

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION

Applications and nominations are invited for an **ASSISTANT PROFESSOR** to join an established, research-oriented department with a long-standing record of strong extramural support. Candidates must be using modern techniques to study significant biological questions at the molecular and/or cellular level, preferably involving signal transduction, receptors or ion transporters. Applicants should have two or more years of relevant postdoctoral experience, and show superior promise for building an independent, funded research program within an academic setting. The campus is located in a suburban area of Toledo, a community offering a family-oriented lifestyle with many recreational, educational and cultural opportunities. Applicants should send curriculum vitae, names and addresses of at least three references, and a description of current and future research to: **Howard C. Rosenberg, M.D., Ph.D., Chair of Faculty Search Committee, Department of Pharmacology, Medical College of Ohio, Toledo, OH 43699-0008.** Evaluation of candidates will begin April 15, 1994. *The Medical College is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR OF PHYSIOLOGY:

The Department of Physiology/Pharmacology at the University of Osteopathic Medicine and Health Sciences is seeking candidates for a tenure-track assistant professor position. A Ph.D. degree is required with primary responsibility for teaching medical physiology in several university programs. The candidate will have the opportunity to conduct independent research or participate in departmental research programs. Letter of interest, curriculum vitae and names of three references should be sent to: **Mearl Kilmore, Ph.D., Professor and Chairman of Search Committee, Department of Physiology/Pharmacology, 3200 Grand Avenue, Des Moines, IA 50312.** *The University is an Equal Opportunity Employer.*

ASSISTANT PROFESSOR OF NUTRITION: 12-month research/teaching appointment (75/25); tenure-track. Earned doctorate in nutrition or closely related discipline (e.g., biochemistry, physiology, cell biology) with research focus and advanced training in nutrition required. Research skills in molecular and cellular biology and postdoctoral experience essential. Teaching responsibilities include at least one graduate and one undergraduate course. Submit cover letter, curriculum vitae, transcripts and the names, addresses and telephone numbers of three references to: **Bobby L. Reid, Ph.D., Department of Nutritional Sciences, Room 309 Shantz Building (38), The University of Arizona, Tucson, AZ 85721. (Telephone: 602/621-8691).** Closing Date: April 1, 1994, or until position is filled. *The University of Arizona is an Equal Employment Opportunity/Affirmative Action Employer.*

WETLANDS ECOLOGIST. Tenure-earning **ASSISTANT PROFESSORSHIP.** Teaching responsibilities include a graduate core course in wetlands ecology, and other courses in appointee's area of interest. The University of West Florida campus houses modern laboratory facilities and is located on a 1000-acre nature preserve. Various types of wetlands are found on or near the campus. While maintaining a reputation for teaching excellence, the biology faculty are active in research, and a strong research program will be expected and encouraged. Ph.D. required. Salary negotiable. Send curriculum vitae, statements of research and teaching interests, selected publications, and 3 letters of recommendation, by April 12, 1994, to: **Dr. Paul Hamilton, Ecology & Evolutionary Biology, University of West Florida, Pensacola, FL 32514.** *UWF is an Equal Opportunity Access/Affirmative Action Employer.*

FISH AND WILDLIFE DEPARTMENT HEAD— EXTENDED SEARCH

Required qualifications include a Ph.D. and experience appropriate for full professor. Appointee must demonstrate commitment to academic excellence, outstanding research record, and excellent interpersonal, communication and executive leadership skills. Send curriculum vitae, statements of administrative, research, and teaching philosophies, and names of at least 3 references by 1 April 1994 to: **K. P. Reese, Chair, Fish and Wildlife Department Head Search Committee, University of Idaho, Moscow, ID 83844-1136.** *An Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

CHAIR, Oral & Craniofacial Biological Sciences, Dental School, University of Maryland at Baltimore. Ph.D. or equivalent in anatomy, biochemistry, microbiology, pharmacology, physiology or other scientific area related to oral or craniofacial biology is required, as is experience in graduate education, success in obtaining research funding, and evidence of administrative skill. National reputation specifically related to dental research or oral biology desirable. Salary consistent with qualifications and experience. Nominations or letter of application and curriculum vitae should be forwarded to: **Dr. Louis Benevento, Chair, Search Committee OCBS, Dental School, University of Maryland at Baltimore, 666 West Baltimore Street, Baltimore, MD 21201.** For best consideration, applications should be received by May 15, 1994, but considerations may remain open until an offer is made. Position is open for hire as of July 1, 1994. *The University of Maryland at Baltimore is an Affirmative Action/Equal Opportunity Employer M/F/H/V.*

DIRECTOR, PLANT ENVIRONMENTAL BIOLOGY PROGRAM

Boyce Thompson Institute for Plant Research seeks candidates for a tenured position as director of a well-equipped program with eight staff scientists and strength in the study of atmospheric and other abiotic stresses on plants.

Candidates should have proven ability in the conduct and/or management of research on environmental effects on crops or forest ecosystems. The successful candidate will be expected to maintain a strong research program, coordinate research within the Program and with university and governmental laboratories, and vigorously pursue support from industry, government, and foundations.

The position is available on or after January 1, 1995. Salary is competitive and start-up support is available.

Applications with curriculum vitae, statement of research interests, and names of three referees should be received by July 15, 1994, and addressed to: **Dr. T. A. LaRue, Chair, Plant Environmental Biology Search Committee, Boyce Thompson Institute at Cornell, Tower Road, Ithaca, NY 14853-1801. Telephone: 607-254-1254. FAX: 607-254-1242.** *BTI is an Affirmative Action/Equal Opportunity Employer and a smoke-free workplace.*

ASSISTANT DIRECTOR FOR SAFETY TESTING

Laboratory Animals Section, the Humane Society of the United States (HSUS). Search Reopened. Doctoral degree in the Life Sciences required. Familiarity with *in vitro* toxicology preferred. The successful candidate will develop and direct the HSUS's programs to replace, reduce, and refine animal use in safety testing. Send résumé, references to: **Philip Mendoza, HSUS, 2100 L Street, N.W., Washington, DC 20037; (Telephone: 202-452-1100).** Consideration will be given until the position is filled.

DIRECTOR—MOLECULAR BIOLOGY

Academia Sinica, Taipei, Taiwan, ROC, is seeking nominations and applications of scientists qualified to serve as Director of the Institute of Molecular Biology (IMB). IMB currently has over 20 principal investigators and about 100 scientific staff. It is well-supported by stable funding and has potential for growth. Research programs include gene regulation, immunology, RNA processing, and analyses of the structures by a variety of methods including X-ray crystallography. The 70,000-square foot building is well-designed and equipped with modern instruments and facilities. A new building (100,000 square feet) is under construction with a projected completion date of June 1994. Requirements for the position include a doctoral degree, demonstrated outstanding research in molecular biology, working experience as a full professor or equivalent for at least 3 years, and evidence of administrative ability and familiarity with the Taiwan environment. Applications or nominations should include a cover letter and complete curriculum vitae, as well as the names, addresses and telephone numbers of six references. Review of applications and nominations will begin on April 5, 1994, and continue until a suitable candidate is recruited. Applications and nominations should be sent to: **Dr. Shu Chien, Institute for Biomedical Engineering, University of California, San Diego, La Jolla, CA 92093-0412. (Telephone: 619-534-5195; FAX: 619-534-5722).**



NEW JERSEY MEDICAL SCHOOL

**ASSOCIATE
PROFESSOR/
PROFESSOR IN
HUMAN GENETICS**

The New Jersey Medical School Center for Human And Molecular Genetics of the University of Medicine and Dentistry of New Jersey is seeking an established research scientist to develop a program in gene therapy and/or related area of human genetics. Substantial resources can be made available to augment the currently well established programs in molecular genetics and clinical genetics. A tenure track position will be offered at the Associate Professor/Professor level.

Both physicians & Ph.D's send c.v. to: Franklin Desposito, MD, Professor and Chairman, Department of Pediatrics, NJ Medical School, 185 South Orange Ave., Newark, NJ 07103. Attn: M. Kristin Thistleton, Administrator. UMDNJ New Jersey's University of the Health Sciences is an Affirmative Action/Equal Opportunity Employer.

**DEKALB Plant Genetics
MS/BS Scientist
Protein Biochemistry**

DEKALB Plant Genetics, a leading agricultural seed company, has an opening in their Discovery Research group at the Assistant Scientist level. We are looking for an individual with a background in protein purification and characterization, and immunoassay development. Research will focus on the identification and isolation of proteins for the generation of insect-resistant maize lines.

In addition to a stimulating scientific environment, DEKALB offers excellent salary, benefits, and relocation assistance to an attractive Southeastern Connecticut shore community. Interested applicants should submit a letter of application, academic transcripts, three letters of reference and vitae to Ms. Katrina Henry, DEKALB Plant Genetics, 62 Maritime Drive, Mystic, CT 06355-1958.



The perfect environment for the world's most advanced research.

Los Alamos National Laboratory is the birthplace of many of the technologies which drive the technical and economic advancements of our country. At Los Alamos, this starts with research into the basic sciences and engineering disciplines and extends into a myriad of innovative programs and projects.

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Deputy Group Leader - Geoanalysis Group

The mission of the Group is to acquire new knowledge, serve program customers and advance the state-of-the-art in analysis and computational modeling of the geophysics of the solid earth and its atmosphere and hydrosphere. Activities include atmospheric science, stress wave physics, flow-through porous and fractured media and information management/analysis. As Deputy Group Leader, you will be responsible for a team of 16 people and have responsibility for managing and promoting programmatic aspects of atmospheric science activities, and acting as liaison between the group, atmospheric sciences community and sponsors. Activities of the group currently include global and regional climate change modeling, massively parallel computing, cloud and radiation processes, atmospheric chemistry, ship track studies, atmosphere-ocean interactions, modeling and observations of flow in complex terrain including plume transport/ dispersion and for emergency air quality and verification techniques. Additional responsibilities include serving as deputy on issues relating to staff management and acting as group leader when necessary.

To qualify, the successful candidate will have a strong scientific/technical background and knowledge of the group's scientific activities. This position requires an independently verifiable record of successes in research leadership and productivity, collaboration with industry and university scientists, technical project leadership/management, supervising teams conducting basic or applied research, program development and negotiations. A publication record of achievement and contribution in the atmospheric sciences with particular emphasis in either climate or meteorology is necessary; management experience in an R&D environment is required. Ability to develop and promote research activities is required as are strong interpersonal/oral/written communication skills. Knowledge of the atmospheric sciences community, Laboratory policies/procedures, current Department of Energy and other agency programs/sponsors is desired as is use of meteorological observational tools and methods. A "Q" security clearance is also desired. This position requires a Ph.D. in Meteorology or Atmospheric Science or equivalent combination of education and experience.

To formally apply for this position, interested candidates should forward a resume to Cathy Majerus (MS P286), Personnel Services Division **101436-B**, Los Alamos National Laboratory, Los Alamos, NM 87545. Affirmative Action/Equal Opportunity Employer. Individuals with disabilities needing reasonable accommodation should call (505) 667-8622. A Teletype Device for the Deaf (TDD) is available by calling (505) 665-5357. Los Alamos National Laboratory is operated by the University of California for the U. S. Department of Energy.

Los Alamos
NATIONAL LABORATORY

POSITIONS OPEN

DIRECTOR OF SCHOOL OF FOREST RESOURCES AND CONSERVATION

Candidates must have: an earned doctorate and a degree in forestry or another renewable natural resource field; strong teaching, research or extension background and an outstanding record of scholarly accomplishments; proven communication skills. Applicants should send résumé, academic transcripts and names and addresses of five references to: **Dr. Robert A. Schmidt, School of Forest Resources and Conservation, University of Florida, Gainesville, FL 32611-0420.** Application deadline: May 16, 1994.

RESEARCH INSTRUCTOR: Position available for a recent Ph.D. graduate in Biochemistry with an extensive background in the purification and characterization of human matrix metalloproteinases. Demonstrated expertise and experience in protein chemistry, in large-scale fermentation of bacteria, and in the use of molecular genetic tools are essential prerequisites for the successful candidate. Send curriculum vitae and three letters of reference to: **Dr. J.A. Engler, Department of Biochemistry and Molecular Genetics, University of Alabama at Birmingham, Birmingham, AL 35294-0005.** Deadline for applications is March 31, 1994.

UAB is an Equal Opportunity/Affirmative Action Employer.

ANATOMY AND CELL BIOLOGY FACULTY POSITION IN NEUROBIOLOGY

The Department of Anatomy and Cell Biology invites applications for a tenure-track position beginning July 1, 1994. Candidates should have a Ph.D., M.D. or equivalent degree, and have demonstrated ability to conduct independent research and attract extramural funding. The department is seeking a neurobiologist with a strong record of achievement in molecular and/or cellular neurobiology. Teaching duties will include gross anatomy and participation in the graduate program. Rank and salary will be commensurate with qualifications. Applicants should submit curriculum vitae, a brief statement of research interests, representative reprints, and names of three references to: **Dr. George D. Pappas, Search Committee, Department of Anatomy and Cell Biology, University of Illinois, College of Medicine at Chicago, 808 South Wood Street (M/C 512), Chicago, IL 60612-7308.**

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

ANATOMY AND CELL BIOLOGY POSITIONS

The Department of Anatomy and Cellular Biology of Tufts University Schools of Medicine, Dental Medicine and Veterinary Medicine, invites applications for **TENURE-TRACK POSITIONS**. Applicants should possess a Ph.D., M.D. or D.M.D. (or equivalent), and must have an active, funded research program. Teaching will be required and will involve one team-taught professional course for medical or dental students, as well as participation in graduate-level courses (Cell Biology and Developmental Biology). Major research areas in the Department include: cell and molecular biology, developmental biology, reproductive biology and neuroendocrinology. Salary and rank will be dependent upon qualifications and experience. Applicants are invited to submit curriculum vitae, names of at least three references and a letter describing research interests and teaching experience to: **Dr. Joan King, Department of Anatomy and Cellular Biology, Tufts University Schools of Medicine, Dental Medicine and Veterinary Medicine, 136 Harrison Avenue, Boston, MA 02111.** Minority applicants are urged to apply.

Tufts University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS available immediately to study electrophysiology and pharmacology of cardiac tissues and cells. Candidates must have a Ph.D., M.D., or equivalent degree and experience in voltage/patch clamp techniques. Send curriculum vitae, reprints, and two letters of recommendation to: **Dr. Charles Antzelevitch, Director, Masonic Medical Research Laboratory, 2150 Bleeker Street, Utica, NY 13501.** An Equal Opportunity Employer.

POSITIONS OPEN

The Department of Biological Sciences at Wayne State University seeks **LECTURERS** to teach Comparative Anatomy, Microbiology, Basic Biology, and Genetics. Duties include teaching two courses during each academic semester. Appointments may be renewable on an annual basis. Send application to: **P. Dennis Smith, Chair, Department of Biological Sciences, Wayne State University, Detroit, MI 48202.** Wayne State is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS—MOLECULAR PARASITOLOGY available immediately to study the mechanism and molecular mediator(s) of cytoadherence of *Plasmodium falciparum*-infected erythrocytes to venular endothelium. Cytoadherence leads to the morbidity and mortality of falciparum malaria. Sequence analysis and expression of the gene(s) encoding putative cytoadherence ligands, functional assays of cytoadherence. Prior experience in molecular biology required; experience in eukaryotic expression and/or parasite culture preferred. Please send or FAX a description of research experience, curriculum vitae and the names, telephone numbers and addresses of three references to: **Dr. Carolyn Petersen, Division of Infectious Diseases, San Francisco General Hospital, University of California at San Francisco, Box 0811, San Francisco, CA 94143-0811; FAX: 415-206-6015.** UCSF is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION ENVIRONMENTAL SCIENCE

Available Immediately: We are seeking a highly motivated scientist or engineer with a background in statistics to develop methods for environmental monitoring data. Teaching opportunities are also available. A Ph.D. in an environmental science, environmental engineering, or statistics is required. Send letter, résumé and transcripts to: **Dr. P. Steven Porter, Department of Civil Engineering, University of Idaho, POB 50778, Idaho Falls, ID 83405.** Telephone: 208-526-1388/FAX: 208-526-1442.

POSTDOCTORAL POSITIONS available immediately for NIH-funded project on functional analysis of HPR1 gene regulatory elements and isolation of factors involved in neuronal expression towards understanding the pathophysiology of Lesch-Nyhan syndrome. Strong working experience and publication record in molecular biology required; protein chemistry experience preferred but not essential. The newly renovated lab has active projects in molecular genetics of several inherited disorders and provides an environment for training in cloning and regulation of disease-related genes and application to diagnosis and therapy. Send curriculum vitae and three letters of reference to: **Pragna I. Patel, Ph.D., Departments of Neurology and Molecular and Human Genetics, Baylor College of Medicine, NB431A, One Baylor Plaza, Houston, TX 77030.** FAX: (713) 798-3771. Baylor College of Medicine is an Affirmative Action/Equal Opportunity/Equal Access Employer.

POTASSIUM CHANNEL MOLECULAR BIOLOGY

A POSTDOCTORAL POSITION (2 to 3 years) focusing on the regulation of cardiac potassium channel gene expression is available. Preference will be given to candidates with molecular biology experience. *Sex, race, religion or national origin will not be factors in the selection process.* Send applications with curriculum vitae and names of three references to the attention of: **Dan M. Roden, M.D., Director, Division of Clinical Pharmacology, Vanderbilt University School of Medicine, 532C Medical Research Building, Nashville, TN 37232-6602.** Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION:

To study the molecular basis of gastrointestinal malignancy. Minimum of 2 years of experience required in molecular oncology research. Cloning expertise preferred. To identify and characterize novel genes possessing mutated DNA sequence, altered mRNA expression levels, and/or tumor suppressive activities in tumor cells. Send curriculum vitae to: **Stephen J. Meltzer, G.I. Division, University of Maryland, 22 South Greene Street, Baltimore, MD 21201.** The University of Maryland is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION to study molecular and cellular biology of malignant melanoma in transgenic mouse models whose disease progression resembles that of the human malignancy (See *PNAS* 90:8817 and 8822, 1993). New work will focus on proteolytic breakdown of basement membranes and extracellular matrix as prerequisites to invasion and metastasis, and on effects of these disruptions on gene expression in the tumor cells. Strong background in molecular biology required. Send curriculum vitae and names and addresses of three references to: **Dr. Beatrice Mintz, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111.** Equal Opportunity Employer/Affirmative Action.

POSTDOCTORAL POSITION TO STUDY MOLECULAR MODELING/COMPUTATIONAL CHEMISTRY OF CARCINOGEN/DNA INTERACTIONS: We have experimental and computational evidence that the adduct of one particularly potent mutagen/carcinogen adopts multiple conformations when covalently bound to DNA. Furthermore, each conformation may induce a different kind of mutation, which may explain how potent mutagens/carcinogens induce such a complex array of mutations (e.g., G→A, T, C and frameshifts). Computational chemical approaches will be used to investigate conformations of carcinogen-DNA adducts. A strong background in computational chemistry of proteins or DNA is desired. Send curriculum vitae and reference letters to: **Edward L. Loechler, Department of Biology, Boston University, 5 Cummings Street, Boston, MA 02215.** An Equal Opportunity Employer.

POSTDOCTORAL POSITION MOLECULAR ASPECTS OF VASCULAR BIOLOGY

NORTHWESTERN UNIVERSITY—CHICAGO

Applicant sought to participate in ongoing studies of inflammation and its impact on the matrix of the aortic wall in aneurysmal and occlusive disease. Basic techniques in molecular biology required with additional training in Polymerase Chain Reaction and *in situ* hybridization. Send curriculum vitae and names of 3 references to: **Dr. William H. Pearce, Division of Vascular Surgery, Northwestern University, 251 East Chicago Avenue, Suite 626, Chicago, IL 60611.**

POSTDOCTORAL POSITION—FLUORESCENCE SPECTROSCOPIST—to study fatty acid and sterol carrier protein structure, lipid interaction, and function. Ph.D. or equivalent in biochemistry, chemistry, physics, or related field. Experience in time resolved fluorometry desirable. Send curriculum vitae and 3 letters of reference to: **Dr. F. Schroeder, Department of Physiology and Pharmacology, Texas Veterans Medical Center, Texas A&M University, College Station, TX 77843-4436.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH FELLOW to carry out research in atherosclerosis and lipoprotein metabolism using molecular genetic approaches. Experience in molecular biology or biochemistry desirable. Send résumé to: **Dr. Alan Tall, Division of Molecular Medicine, Department of Medicine, Columbia University, 630 West 168th Street, New York, NY 10032.** Columbia University is an Equal Opportunity Affirmative Action Employer.

POSTDOCTORAL POSITION to study the role of chromatin structure and gene expression in DNA repair in mammalian cells and yeast minichromosomes (e.g., see *Curr. Opin. Cell Biol.* 3, 422, 1991; *JBC* 267, 5996, 1992 and 268, 23755, 1993; *Biochemistry* 32, 10527, 1993). Training in biochemistry, biophysics, molecular biology and/or molecular genetics is preferred. Send statement of interests, résumé and names of 3 references to: **Dr. Michael J. Smerdon, Department of Biochemistry and Biophysics, Washington State University, Pullman, WA 99164-4660.** (FAX: 509-335-9688). WSU is an Equal Opportunity/Affirmative Action Employer.

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The University of California, Santa Barbara invites applications and nominations for the position of Dean of the Division of Mathematical, Life & Physical Sciences in the College of Letters and Science. The Dean provides leadership and management for the academic and support areas of the Division, and reports to the Provost of the College of Letters and Science.

The Division of Mathematical, Life & Physical Sciences consists of 14 academic departments and programs. The Division has approximately 250 faculty and more than 150 non-academic staff. The Division enrolls over 4,200 undergraduates and nearly 700 graduate students and offers 22 undergraduate majors and 14 graduate degree programs. The operating budget for the Division is in excess of 21.1 million dollars per year. Office and laboratory space throughout the Division total in excess of 420,000 ASF.

Candidates for the position must have achieved academic distinction appropriate for a tenured position in the University of California, a record of accomplishment in academic leadership and management in a research university or its equivalent, and demonstrated commitment to affirmative action and quality programs in higher education.

The position will remain open until filled. Applications should consist of a complete curriculum vitae and names and addresses of at least three current references. Send application or nominations to:

Chair, Search Committee for the Dean of the Division of
Mathematical, Life & Physical Sciences
c/o The Office of the Provost
College of Letters and Science
University of California
Santa Barbara, CA 93106
FAX: (805) 893-2441
Phone: (805) 893-2406

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Khepri Pharmaceuticals, Inc. is a dynamic biopharmaceutical company focused on the discovery and development of novel drugs based on proteases and protease inhibitors. The company's initial product leads and research efforts are targeted toward inflammation, cancer and infectious disease. We are currently seeking self-motivated team players for the following:

RESEARCH ASSOCIATE POSITIONS: with BS or MS in biological sciences or related field and 2-3 years experience required.

- **Molecular Biology** - Knowledge of PCR, molecular cloning, DNA sequencing, so./no. blotting, cDNA library screening, protein expression and characterization is required. Experience in cell culture is a plus.
- **Process Development** - Position requires experience in the scale-up of therapeutic protein purification processes with a strong background in protein biochemistry and analytical techniques. Expertise in chromatography, filtration, cell harvesting, extraction, and FPLC systems is desirable.
- **Protein Microchemistry** - Proficiency with characterization and micro-purification using standard techniques, including HPLC, is necessary, and experience with N-terminal sequencing, mass spectroscopy, 2D gels, or capillary electrophoresis would be desirable.

Khepri is dedicated to providing a supportive and stimulating work environment as well as an excellent compensation and benefits package. E.O.E. For immediate consideration send your CV, cover letter, and references to: Khepri Pharmaceuticals, Inc. Tracy Brammer, 260 Littlefield Ave., South San Francisco, CA 94080.

Pharmaceutical Peptides Inc. Positions Available

Pharmaceutical Peptides, Inc. is a newly formed, well-financed biotechnology company dedicated to the development of novel drug substances in a wide variety of therapeutic areas. Peptides and related molecules derived from chemical and biological libraries will serve as the cornerstones of novel methodologies for drug discovery.

The Company, located in Cambridge, Massachusetts, has been founded by three leading scientists with the financial support of a group of prestigious investors. It now seeks to hire individuals with a strong desire to participate in the rapid growth of an entrepreneurial company. Compensation will be in the form of salary as well as an attractive stock option package.

Director of Chemistry (Ph.D. or M.D.): This is a senior level position responsible for all chemistry within the Company and will report to the Company's Director of Research. The individual should have at least 5 years, post-degree, of industrial or academic research experience leading a group in the areas of protein, peptide or medicinal chemistry.

Director of Cell Biology (Ph.D. or M.D.): This is a senior level position responsible for cellular research and development in all therapeutic areas involving gene expression and characterization of novel molecules affecting biological processes, and will report to the company's Director of Research. The individual should have at least 5 years, post-degree, of industrial or academic research experience leading a group in the field of cell biology with emphasis on molecular biology or biochemistry.

Senior Technologist: This is a senior level position that will report to the Company's Director of the appropriate research Department. The individual should have at least 10 years experience in either molecular biology or chemistry, and be able to work effectively with senior level scientists in all areas of the Company's research.

Qualified individuals should send resumes, a list of references, and two of their most important publications to Dr. Ethan Signer; MIT 56-445, 77 Mass. Ave. Cambridge, MA 02139.

POSITIONS OPEN

CARDIOVASCULAR PHYSIOLOGIST/SURGEON

Division of Cardiovascular Medicine, Harvard Medical School, invites applications for a Cardiovascular Physiologist/Surgeon with experience in chronic animal surgery. **POSTDOCTORAL or JUNIOR FACULTY** level. D.V.M. or M.D. degree required. We are looking for this individual to perform chronic animal surgeries for a multidisciplinary team examining cardiovascular control mechanisms in myocardial hypertrophy, heart failure, and ischemia, and to conduct physiological studies, which will be coordinated with studies at the cellular/molecular level. *Women and members of minority groups are encouraged to apply. Affirmative Action/Equal Opportunity Employer.*

Candidates should send curriculum vitae to: **Dr. Stephen F. Vatner, Professor of Medicine, Harvard Medical School, NERPRC, One Pine Hill Drive, Southboro, MA 01772.**

POSTDOCTORAL RESEARCH PROJECT available at Tennessee Valley Authority (TVA) in Norris, Tennessee. Research includes developing, modifying, and applying existing plant and gap-succession models to predict ecosystem-level responses of forests to environmental stress. Degree within last four years in forestry, biology, ecology, or related field with background in modeling across a range of spatial scales. For application material: **Postgraduate Research Program, Science/Engineering Education Division, Oak Ridge Institute for Science and Education, P.O. Box 117, Oak Ridge, TN 37831-0117; Telephone: (615) 576-3456. (Reference TVA94-1.)**

POSTDOCTORAL AND GRADUATE STUDENT FELLOWSHIPS

The University of Cincinnati College of Medicine offers a modern interdepartmental training program in cell growth and differentiation. Experimental approaches within the program include the role of oncogenes and growth factors in growth, transformation, and differentiation and the use of transgenic cells and animals. Participating faculty are: **Dr. Robert Brackenbury** (molecular determinants of cell-cell recognition); **Dr. Iain Cartwright** (hormonal regulation of gene expression in *Drosophila*); **Dr. Tom Doetschman** (role of TGF- β homologs during embryogenesis); **Dr. Judith Harmony** (lipid transport proteins and mammalian development); **Dr. James Lessard** (cell and molecular biology of muscle); **Dr. Michael Lieberman** (cellular differentiation of megakaryocytes); **Dr. Jerry B. Lingrel** (genetics and enzymology of the Na-K ATPase); **Dr. Anil Menon** (genetic analysis of human cancers); **Dr. Dan Nebert** (genetics of detoxifying enzymes); **Dr. Linda Parysek** (functions of intermediate filaments); **Dr. Steven Potter** (control of mammalian development); **Dr. Nancy Ratner** (neuronal cell surface mitogens); **Dr. Jeffrey Robbins** (cardiac contractile protein synthesis); **Dr. Charles Sidman** (mutagenesis and genome analysis); **Dr. Peter Stambrook** (mutagenesis, cancer, and gene regulation); **Dr. Jeffrey Whitsett** (cell biology of the respiratory tract); and **Dr. David Wiczorek** (muscle gene expression and alternative splicing).

Positions are immediately available and are funded through a national research training program. *Applicants must have U.S. citizenship or permanent residency and have completed a Ph.D. degree or equivalent.* Candidates should send curriculum vitae and three letters of recommendation to: **Dr. Michael Lieberman, training director, Department of Molecular Genetics, Biochemistry, and Microbiology, University of Cincinnati College of Medicine, 231 Bethesda Avenue, Cincinnati, OH 45267-0524. An Equal Opportunity/Affirmative Action Employer.**

RESEARCH FELLOWSHIPS—Mount Sinai School of Medicine, Department of Psychiatry, in conjunction with Pilgrim State Psychiatric Center, announces Research Fellowship positions for physicians that combine training in basic neurobiology and clinical treatment trials of Schizophrenia. Training opportunities allow for joint training in basic neurobiology at the Mount Sinai Medical Center and in clinical treatment trials at Pilgrim State Psychiatric Center. Applicants will be eligible for faculty appointment at the Mount Sinai School of Medicine. Salary dependent on experience and credentials. Please send curriculum vitae to: **Robert L. Treisman, Ph.D., M.D., Director of Research Fellowship Training, Mount Sinai School of Medicine, Box 1230, One Gustave L. Levy Place, New York, NY 10029-6574. An Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIP

Position available in cellular and molecular neurobiology for an M.D. or Ph.D. Research projects involve investigations of mechanisms of neuronal injury and cell death and the elaboration of methods to stimulate or enhance regeneration. Related studies utilize *in vitro* and especially *in vivo* animal models of human neurodegenerative diseases that affect cognitive and motoric functions. A good background in neurobiology and familiarity with molecular and/or neuroanatomical methods are desirable. *Please, U.S. citizens or permanent residents only* (because of funding limitations). Send curriculum vitae and references to: **Donald L. Price, M.D., Neuropathology Laboratory, The Johns Hopkins University School of Medicine, 558 Ross Research Building, 720 Rutland Avenue, Baltimore, MD 21205-2196.**

PREDOCTORAL AND POSTDOCTORAL RESEARCH FELLOWSHIPS are available through the Duke University Integrated Toxicology Program, funded by the *National Institute for Environmental Health Sciences*. Additional support for postdoctoral training is offered through the *RJR Leon Golberg Memorial Fellowships*, with one position on the Duke campus and two at the RJR Campus in Winston-Salem, North Carolina. Training is offered in neurotoxicology, the toxicology of oxidative stress, and cell and molecular toxicology. Contact: **Doyle G. Graham, M.D., Ph.D., Box 3712, Duke University Medical Center, Durham, NC 27710.** Those attending the Society of Toxicology meeting in Dallas can contact Dr. Graham (Duke) or Dr. David Doolittle (RJR) through the Placement Service. *Duke University is an Equal Employment Opportunity/Affirmative Action Employer.*

POSTDOCTORAL ASSOCIATE McLAUGHLIN RESEARCH INSTITUTE

A postdoctoral position is available to study gene expression in preimplantation mouse embryos at the McLaughlin Research Institute in Great Falls, Montana. MRI is an expanding basic research institute focusing on the use of the mouse as an experimental model to study the growth and development of mammals and the genetic basis of disease. We have a newly constructed building with spacious modern laboratories and state-of-the-art facilities for housing large mouse colonies at low cost.

Please forward curriculum vitae and the names and addresses of three references to:

**Dr. William Crain
McLaughlin Research Institute
1520 23rd Street South
Great Falls, MT 59405**

POSTDOCTORAL RESEARCH ASSOCIATE POSITION

Available immediately to identify the molecular basis of a wide array of genetically and biochemically characterized *Arabidopsis* mutants defective in feedback regulation of the branched-chain amino acid biosynthetic pathway. Applicants should be experienced in cDNA library construction, DNA sequencing and PCR techniques. Annual salary is \$25,520. Send curriculum vitae, the names, addresses and telephone numbers of 3 references to: **Dr. G. Mourad, Department of Biology, Indiana-Purdue University, Fort Wayne, IN 46835. Telephone: (219) 481-5704, FAX: (219) 481-6880.** The position will remain open until filled. *An Affirmative Action/Equal Opportunity Employer.*

RESEARCH TECHNICIAN

Howard Hughes Medical Institute at MIT/Whitehead Institute seeks a Research Technician to work with a dynamic group on studies of viral membrane fusion proteins and their structure/function. The individual will have primary responsibility for setting up and maintaining vaccinia virus and/or baculovirus protein expression systems of hemagglutinins and other fusion proteins. Requires experience with molecular biology, TC techniques, ability to work autonomously, B.S. plus 5 years. M.S. plus 3 years of relevant experience preferred.

HHMI offers a competitive salary and an excellent flexible benefits package. Please forward résumé to: **Judi O'Connor, HHMI/MIT, 77 Massachusetts Avenue, Building 56, Room 345, Cambridge, MA 02139.** *We are an Equal Opportunity Employer.*

HOWARD HUGHES MEDICAL INSTITUTE

POSITIONS OPEN

RESEARCH PROJECTS available with U.S. Army Environmental Hygiene Agency (USAHEA) in Colorado and Maryland. Projects for entomologist, industrial hygienist, chemical laboratory technician, or chemist/computer science specialist, technical writer, and safety engineer. Recent B.S., AA or student eligible depending on project. *U.S. citizen or permanent resident.* Contact: **Postgraduate Research Program/USAHEA, Science/Engineering Education Division, Oak Ridge Institute for Science and Education, P.O. Box 117, Oak Ridge, TN 37831-0117; Telephone: (615) 576-3456.**

RESEARCH ASSOCIATE—The Endocrine Division of St. Luke's-Roosevelt Hospital is seeking a Ph.D. experienced in molecular biology and signal transduction to work on novel mechanisms of steroid hormone action involving complex interactions with cell membranes. Should be qualified for an appointment at the College of Physicians & Surgeons of Columbia University. Send curriculum vitae and references to: **William Rosner, M.D., c/o Gwynne Meacham, Human Resources Department, St. Luke's-Roosevelt Hospital Center, 555 West 57th Street, New York, NY 10019.** *Equal Opportunity Employer, M/F/D/V.*

POSTDOCTORAL RESEARCH IN PATHOLOGY

A postdoctoral position is immediately available to study the pathogenesis of a *Chlamydia trachomatis* genital infection. Experience in protein chemistry, recombinant DNA, immunology, vaccine development and animal models is desired. Send curriculum vitae and names and addresses of three references to: **Luis M. de la Maza, M.D., Ph.D., Professor, Department of Pathology, Medical Sciences I, D 440, University of California, Irvine, CA 92717-4800.** *The University of California, Irvine, is an Affirmative Action/Equal Opportunity Employer and specifically invites and encourages applications from women and minorities.*

RESEARCH SCIENTIST— PRODUCT SAFETY AND CLAIMS SUBSTANTIATION

Mary Kay Cosmetics, Inc., an innovative international consumer products company based in Dallas, Texas, seeks to add a unique scientist to its Product Safety and Claims Substantiation department. We seek candidates with a Master of Science degree in biochemistry, physiology, or related discipline. Responsibilities will be divided between (1) biochemical research on the effects of cosmetic formulas and ingredients on cultured skin cells and artificial skin equivalents, and (2) performing human clinical studies involving non-invasive instrumental measurements on the effects of cosmetic products on human skin and hair. If you have a solid background in experimental biochemistry and possess the interest and aptitude to perform human clinical studies, please send your résumé to: **Manufacturing Human Resources, Attention: Scientist—PS/CS, Mary Kay Cosmetics, Inc., 1330 Regal Row, Dallas, TX 75247-3684.** Principals only, no telephone calls, please. *An Equal Opportunity Employer.*

RESEARCH BIOPHYSICIST Laboratory of Structural Biology

**Division of Computer Research and Technology
National Institutes of Health
Bethesda, Maryland**

Position available for a Research Biophysicist responsible for planning and conducting multidisciplinary applied and theoretical research in the field of membranes transport.

Candidates must have a Ph.D. or an equivalent doctoral degree, completed postdoctoral training, and work experience that demonstrates independent research in mesoscopic ion channels and their gating, channel hydration, theory of fluctuation analysis and its application to ion channel conductance "noise."

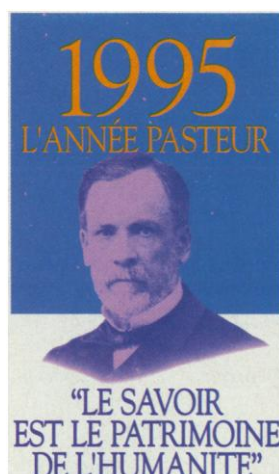
Salary: \$49,420 to \$54,941.

Qualified candidates should send curriculum vitae and/or SF-171 to:

**Adrian Parsegian, Ph.D.
NIH/DCRT Building 12A/2041
9000 Rockville Pike
Bethesda, MD 20892**

Applications must be received by **March 31, 1994.**

*NIH is an Equal Opportunity Employer.
U.S. citizenship required.*



"THE YEAR OF LOUIS PASTEUR" INTERNATIONAL SYMPOSIA

The 100th anniversary of the death of Louis Pasteur will be celebrated in 1995 as "The Year of Louis Pasteur". UNESCO and Institut Pasteur are collaborating in the organization of this prestigious commemoration.

This occasion is the opportunity for the international community to pay tribute to Louis Pasteur's scientific work which has brought about revolutionary changes in science and medicine. His discoveries were major breakthroughs for mankind in the fields of health, agriculture, and industry.

During 1995, numerous events throughout the world will highlight the role and methods of Louis Pasteur, whose rigorous approach and constant concern for the applications of science, have inspired scientists for more than a century.

Among the many events, the six following international scientific Symposia will be organized to commemorate Louis Pasteur's major discoveries and their worldwide impact in the development of Biological Sciences:

- ① **From Spontaneous Generation to Molecular Evolution.** Oswaldo Cruz Foundation, **Rio de Janeiro, Brazil.** February 19-24, 1995.
- ② **Epidemiology and Public Health.** National Institute of Hygiene and Epidemiology, **Hanoi, Vietnam.** February 28 - March 2, 1995.
- ③ **Etiology and Pathogenesis of Infectious Diseases.** Institut Pasteur of Dakar, **Dakar, Senegal.** April 10-13, 1995.
- ④ **Microbes, Environment, Biotechnology.** Institut Louis Malardé, **Papeete, Tahiti, French Polynesia.** May 8-12, 1995.
- ⑤ **Stereospecificity and Molecular Recognition.** The Rockefeller University, **New York, NY, U.S.A.** September 12-15, 1995.
- ⑥ **Vaccines.** Institut Pasteur, **Paris, France.** September 24-28, 1995.

Further information from:

Symposium N°1. Dr. A. Ullmann, Institut Pasteur, 28 Rue du Dr. Roux, 75724 Paris Cedex 15, France, Fax 33. 1. 40 61 30 19 or Dr. E. De Souza Garcia, Fundação Oswaldo Cruz, Avenida Brazil 4365, Manguinhos, 21045 Rio de Janeiro, Brazil, Fax 55. 21. 260 67 07.

Symposium N°2. Dr. J.-L. Durosier, Institut Pasteur, address as above, Fax 33. 1. 45 68 89 52 or Dr. Hoang Thuy Nguyen, National Institute of Hygiene and Epidemiology, 1 Yersin Street, Hanoi, 10.000 Vietnam, Tel 84. 4. 25 43 62.

Symposium N°3. Dr. J.-L. Virelizier, Institut Pasteur, address as above, Fax 33. 1. 45 68 89 41 or Dr. J.-P. Digoutte, Institut Pasteur de Dakar, BP 220 Dakar, Senegal, Fax 221. 23 87 72.

Symposium N°4. Dr. J.-P. Aubert, Institut Pasteur, address as above, Fax 33. 1. 45 68 87 90 or Dr. P. Martin, Institut Louis Malardé, B.P. 30 Papeete, Tahiti, French Polynesia, Fax 689. 43 15 90.

Symposium N°5. Dr. H. Buc, Institut Pasteur, address as above, Fax 33. 1. 40 61 30 60 or Dr. S. Burley, Howard Hughes Medical Institute; The Rockefeller University, 1230 York Avenue, New York, NY 10021-6399, U.S.A. Fax 1. 212. 327 83 37.

Symposium N°6. Dr. M. Girard, Institut Pasteur, address as above, Fax 33. 1. 40 61 30 45.

THE FIFTH MEETING ON
**THE MOLECULAR
BASIS OF CANCER**

June 16-18, 1994
Hood College
Frederick, Maryland

1994 Meeting Organizers

Mark A. Israel, M.D.
Department of Neurological Surgery and Pediatrics
University of California, San Francisco

Tyler Jacks, Ph.D.
Center for Cancer Research
Massachusetts Institute of Technology

Now in its fifth year, this sister meeting to the Annual Oncogene Meeting, provides a forum for studies most closely linked to human cancer, including basic research approaches to understanding the cancer cell and tumor development as well as the more applied areas of diagnosis and therapy.

Plenary Lecture - Gene Therapy in the Management of Cancer
Albert Deisseroth, M.D.
MD Anderson Cancer Center

Session III. - Cell:Cell and Cell:Matrix Interactions
Richard Hynes, Ph.D.
Massachusetts Institute of Technology

Session I. - Gene Regulation and Cancer Cell Growth
Edward Harlow, Ph.D.
Massachusetts General Hospital

Session IV. - Tumor Cell Proliferation and Apoptosis
Craig Thompson, M.D.
University of Chicago

Session II. - Cancer Genetics
Kenneth Kinzler, Ph.D.
The Johns Hopkins University

Session V. - Rational Approaches to Diagnosis and Therapy
Frank McCormick, Ph.D.
Onyx Pharmaceuticals

You are invited to participate in a comprehensive exchange of research in a forum which encourages the young investigator to submit unpublished data for consideration by the organizers as podium or poster presentations. The deadline for abstract submittal is April 8, 1994; the deadline for registration is June 3, 1994. The registration fee (including meals and campus housing) is \$550.00 US.

For information and registration materials, please contact Margaret L. Fanning, Conference Coordinator, FACS, P.O. Box 249, 12120 Main Street, Libertytown, Maryland 21762. Telephone 301-898-9266 • FAX 301-898-9173.

**Analytical and Quantitative Light Microscopy
in Biology, Medicine, and Materials Science**

May 12 - 20, 1994

This intensive lab/lecture course, designed for professional researchers, advanced graduate students and industrial scientists and engineers, provides an in-depth examination of the theory of the microscope and application of video for exploring subtle interactions between light waves and the specimen. Limited to 22 students.

Directors: Greenfield Sluder and David Wolf, Worcester Foundation for Experimental Biology.
Tuition: \$1750 (includes room & board). **Application Deadline:** March 15, 1994.

Microinjection Techniques in Cell Biology

May 24 - 31, 1994

In this research-oriented course for 24 graduate students, postdoctoral researchers, and investigators, leading practitioners teach microinjection techniques in combination with analytical light microscopic methodologies, electroporation, biolistic methods, electrophysiological and photometric approaches. Participants will learn techniques of microinjection into a variety of intact, living cells through lectures, demonstrations, and extensive hands-on laboratory exercises.

Director: Robert B. Silver, Cornell University. **Tuition:** \$1550 (includes room & board).
Application Deadline: March 22, 1994.

**Marine Animal Models: Their Care, Culture,
and Uses in Basic Biological, Biomedical,
and Toxicological Research**

May 15 - 27, 1994

This lab and lecture course is intended for 20 scientists, advanced technicians and students interested in maintaining, rearing, and spawning marine organisms for scientific research. The course emphasizes four themes: (1) ecological approach to water quality, system design and disease prevention, (2) nutrition and metabolism, (3) settlement, growth and behavior, and (4) reproduction and genetic manipulation. Recent developments in molecular biology, biotechnology and computer automation will be addressed.

Director: Roger T. Hanlon, Marine Biomedical Institute, Galveston.
Tuition: \$1500 (includes room & board).
Application Deadline: March 15, 1994.

For further information and admissions applications contact: Admissions Coordinator,
Marine Biological Laboratory, Woods Hole, MA 02543; (508) 548-3705, ext. 401;
Internet: admissions@mbi.edu.

MARINE BIOLOGICAL LABORATORY

Spring Training Opportunities

The MBL is an EEO Affirmative Action Institution



! New Medical School !

DEPARTMENT CHAIRS

The Florida College of Osteopathic Medicine (proposed) is initiating a search for academic and clinical professionals interested in becoming the founding faculty of a new independent, non-profit medical college to begin classes in the Fall, 1995. The core faculty will develop a community-directed curriculum that will successfully graduate compassionate, knowledgeable, skilled, and service-directed osteopathic physicians into the new health care systems of the twenty-first century. These positions will be filled by July 1, 1994, and applications will be received immediately and until the positions are filled.

The following positions serve to develop, conduct, and evaluate all academic programs related to medical training in the professional field indicated. The positions will be filled by medical scientists and educators having a terminal academic (Ph.D., D.Sc) or medical degree (D.O., M.D.) with academic credentials supporting appointment as associate or full professor. The applicant must have a principal interest in forming an academic department and developing an innovative instructional and student-learning curriculum integrated with clinical training. The applicant should have experience in department or project management and success as an academic role model and student-advisor. Clinically-based research experience is preferred, though not required. The professionals selected must manifest a willingness to support the educational, osteopathic medicine, and community-service mission of the college.

Chair, Department of Clinical Anatomy
Chair, Department of Clinical Microbiology
Chair, Department of Clinical Biochemistry
Chair, Department of Clinical Pharmacology

A letter of interest, curriculum vitae, and addresses/phone numbers of three professional references should be sent to: **Dr. Karen Kritsky, Chair, Faculty Development Committee, Florida College of Osteopathic Medicine, P.O. Box 4460, Seminole, FL 34642.** (Florida College of Osteopathic Medicine is an Equal Opportunity, Affirmative Action Employer.)

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RESEARCH SCIENTIST IN GENE THERAPY DEVELOPMENTAL HEMATOLOGY

Requirements:

- Experience in retrovirus mediated gene transfer
- PhD and 2 years' postdoctoral experience
- Thorough understanding of hematopoiesis

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Advancement in Science Begins at Bio-Rad Laboratories

The satisfaction of working at Bio-Rad Laboratories comes from seeing your research quickly become a useful product. It's a feeling of success that we invite you to share as a part of our Clinical Diagnostics team.

Applications are now being accepted for the following positions:

- **Senior Scientists**
- **Research Scientists**
- **Research Associates**
- **Manufacturing Chemists**

Senior level positions will have advanced degrees (PhD preferred) in chemistry, biochemistry or life sciences and supervisory experience in the industrial sector. Demonstrated research emphasis in protein chemistry, immunology or clinical chemistry a plus.

Please send your CV or resume to: Bio-Rad Laboratories, Attn: Paul Krueger, Dept. 113, 3726 E. Miraloma Blvd., Anaheim, CA 92806. An Equal Opportunity Employer, M/F/D/V.

Bio-Rad Laboratories

PRODUCT DEVELOPMENT CHEMIST

Mallinckrodt Chemical, a leading manufacturer of laboratory and specialty chemicals, is currently recruiting a scientist with a background well founded in biochemistry or biology. The successful candidate will be a key member of the product development team located at the Paris, KY packaging and distribution center. Paris is located about fifteen miles from Lexington in the heart of the Bluegrass area.

This position will be responsible for both product development and technical support for Mallinckrodt's molecular biology and biopharmaceutical products.

Experience in related assay measurement systems, SDS-PAGE, DNA synthesis, LAL endotoxin measurement, and HPLC is beneficial. Additional qualifications include MS/Ph.D. in Biochemistry, Biology, Chemistry or closely related field.

Mallinckrodt offers an attractive compensation & benefit package, including 401K & stock options. For consideration, please send resume & salary history to:

Human Resources Manager

Mallinckrodt

**P.O. Box 800
Paris, KY 40362-0800**
Equal Opportunity Employer M/F/D/V

DIRECTOR UNIVERSITY OF IDAHO IDAHO FALLS CENTER FOR HIGHER EDUCATION

The University of Idaho invites nominations and applications for the position of Director of the Idaho Falls Center for Higher Education (IFCHE).

The University of Idaho, with approximately 12,000 students and 800 faculty, is the state's land-grant research institution and senior of Idaho's four state-supported institutions of higher education. Educational opportunities are provided statewide through Resident Instructional Centers at Coeur d'Alene, Boise, and Idaho Falls. The primary emphasis of the University of Idaho in Idaho Falls is at the graduate level in engineering and science.

The UI/IFCHE program in higher education at Idaho Falls began evolving in the early 1950's in support of the atomic energy operation at the National Reactor Testing Station, now Idaho National Engineering Laboratory. The program is supported in part by the U.S. Department of Energy. The University of Idaho program provides a means of delivering undergraduate and graduate education to INEL employees as well as to others in the Idaho Falls area. University of Idaho graduate degrees are offered in electrical engineering, nuclear engineering, civil engineering, chemical engineering, mechanical engineering, metallurgy, chemistry, physics, applied mathematics, computer science, environmental science, and waste management.

Candidates for the position will be expected to possess:

- Ph.D. in engineering, science, or related discipline;
- Successful experience in planning, research direction, program development, personnel management, budgeting and working with professions related to the mission of INEL;
- Communication skills, professional integrity, executive leadership, and vision and capability to address the challenges facing the Idaho Falls area;
- A commitment to promoting excellence in teaching and research; and
- Demonstrated commitment to the principles of affirmative action.

The University of Idaho is an equal opportunity/affirmative action employer and educational institution.

Send nominations and letters of interest to:

Dr. Thomas O. Bell, Provost
Chair, IFCHE Director Search Committee
Administration Building 107
University of Idaho
Moscow, ID 83844-3152

Review of applicants will begin April 15, 1994; the successful applicant may assume the post on July 1, 1994.

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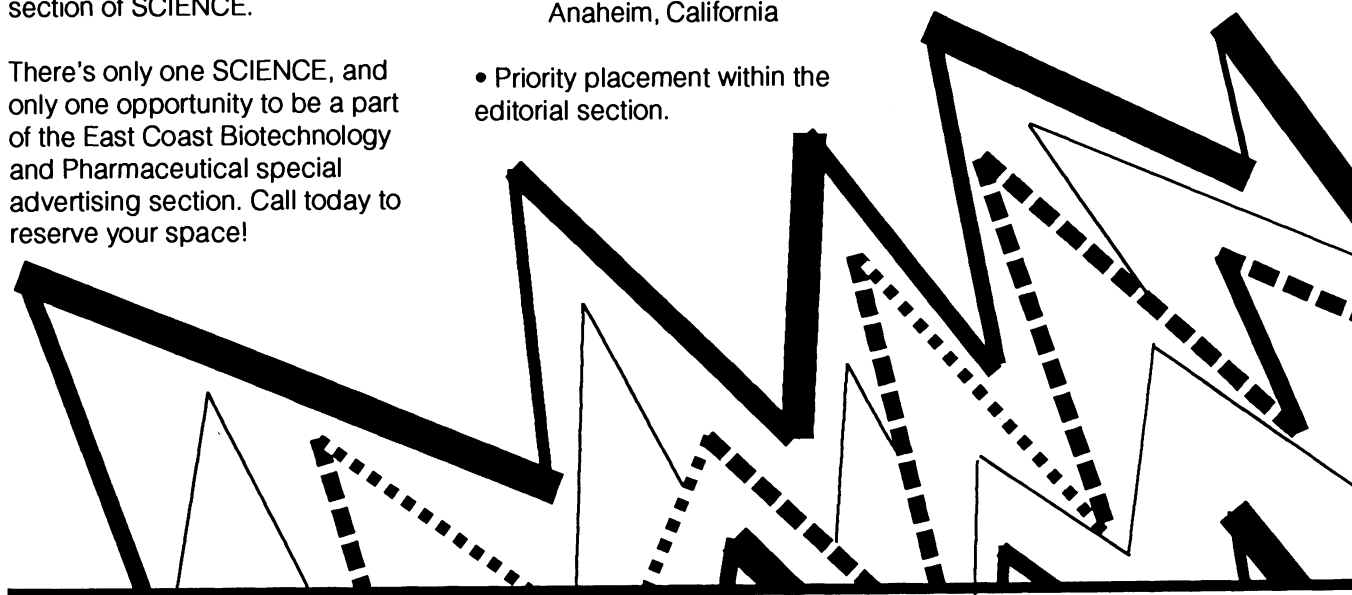
In the US and Canada: Call Janis Crowley at (212) 496-7704, or fax: (202) 682-0816.

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March 15, 1994.**

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POSITION ANNOUNCEMENT

DIRECTOR GENERAL

**for a new
International Livestock Research Institute**

The Consultative Group for International Agricultural Research (CGIAR) is in the process of establishing a new global livestock research entity. The Rockefeller Foundation has been given the responsibility of guiding the establishment of the institute including identifying candidates for the position of Director General.

The CGIAR is a consortium of donor agencies which now support a worldwide network of eighteen research centers. The United Nations Development Programme (UNDP), the Food and Agriculture Organization of the United Nations (FAO) and the World Bank serve as co-sponsors of the system supporting the Centers. Two of these Centers, the International Livestock Centre for Africa (ILCA) and the International Laboratory for Research and Animal Diseases (ILRAD) will be amalgamated into the newly created global livestock research institute.

The decision as to the headquarters location is still under examination but should be decided before candidates must make a final decision as to their interest and availability for the position.

The new institute will have a mandate to monitor global and regional trends in livestock, and to propose and conduct research and training programs addressing constraints to the efficiency of livestock systems. Its primary role will be research conducted in collaboration with other research institutes in developed and developing countries, with both public and private sector organizations.

The new institute will have an annual budget of some \$20-25 million dollars U.S. and will be governed by an independent international board of trustees.

The Director General serves as Chief Executive Officer of the institute. He/she provides professional leadership and has administrative responsibility for all activities of the Center. This includes resource mobilization, staff recruitment and management, providing research direction and the dissemination of results.

Qualifications required for the position include a demonstrated capacity for dynamic leadership and evidence of a successful and innovative approach to research planning, organization and administration. A Ph.D. degree or its equivalent in the biological or social sciences related to agriculture plus ten years experience in a relevant position is required. A comprehensive knowledge of livestock production systems is essential. Experience living and working in developing countries is highly desirable. Fluency in English is required. Additional language competence would be advantageous and women applicants are particularly welcome.

The initial appointment will be for up to five years and may be extended by mutual agreement. Salary is negotiable and will be based on experience. An internationally competitive benefit package will be provided.

The person selected would be expected to assume the position about January 1, 1995. Nominations and applications must be received no later than April 30, 1994. Where possible, a recent curriculum vitae and list of three references should be included. They should be sent to:

Mr. Robert D. Havener, Consultant
The Rockefeller Foundation
c/o P.O. Box 440
Solvang, California, USA 93464
Phone (805) 688-3204
Fax (805) 688-1086

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Postdoctoral Fellow

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Postdoctoral Fellow

GVAX

You will collaborate with in-house tumor biologists and immunologists on the development of tumor model systems in mice. This will allow for further development of vaccination strategies with autologous cells genetically modified with genes encoding immunomodulators. We require a Ph.D. preferably in Immunology and expertise in tumor biology. Box# 94-004

Somatix offers a competitive salary and benefits package. To learn more, please send your resume indicating the appropriate Box # to:
Somatix Therapy Corporation, Human Resources Department, 850 Marina Village Parkway, Alameda, CA 94501. We are an equal opportunity employer.

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Assistant Professor - Molecular Virology

A tenure-track faculty position in Virology is available in the Department of Microbiology. We are seeking candidates with a strong research record, a commitment to developing an independent, innovative, funded research program, and a concerned interest in graduate and medical education. This university, ranked in the top 20 institutions in NIH-funded research, offers an unusually interactive environment. The presence of several multidisciplinary centers and an interdepartmental graduate program in Cell and Molecular Biology facilitates collaborations among the basic science disciplines and between basic science and clinical faculty. The virology faculty are based in the Departments of Microbiology, Biochemistry, Medicine and Pediatrics and current research programs include virus structure, replication mechanisms, assembly, immune recognition, protein structure and function, viral vectors and the development of vaccines and antiviral drugs. These studies focus on retroviruses, including HIV and SIV, (senior faculty: E. Hunter, B. Hahn, G. Shaw, P. Fultz, C. Morrow), influenza viruses (G. Air, M. Luo), picornaviruses (M. Luo, C. Morrow), VSV and respiratory syncytial virus (G. Wertz), vaccinia virus and nodaviruses (L.A. Ball), adenoviruses (J. Engler), papilloma viruses (T. Broker, L. Chow), and herpesviruses (R. Whitley, W. Britt). The successful applicant could provide expertise in a new area or extend one of the existing programs. Applications and inquiries should be sent to one of the co-chairs of the Search Committee by April 15th 1994, and should include a curriculum vitae, a brief description of past accomplishments and future research plans, and the names and addresses of three references:

Dr. Andrew Ball or Dr. Eric Hunter
Department of Microbiology
University of Alabama at Birmingham
UAB Station
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Interested individuals should send their curriculum vitae to:

Joseph E. Hall, Cruachem Inc., 45150 Business Court, Suite 550, Dulles, VA 20166

Ian Wilkie, Cruachem Ltd., West of Scotland Science Park, Todd Campus/Acre Road, Glasgow, Scotland G20 0UA



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SULTAN QABOOS UNIVERSITY— SULTANATE OF OMAN

Sultan Qaboos University, the National University of the Sultanate of Oman, invites applications for the following positions for their College of Science, Department of Earth Sciences:

- 1) **Geophysicist with expertise in petroleum geology and/or hydrogeology**
- 2) **Economic geologist**
- 3) **Biostratigrapher—Palaeontologist**

Candidates with a Ph.D. with at least four years of subsequent teaching are preferred. For all the above positions, non-academic experience will also be a distinct advantage.

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Interested candidates are requested to send curriculum vitae and supporting documents plus copy of passport, quoting our Ref: **ADV/SCI/01/94**, to:

**The Director, Personnel Affairs
Sultan Qaboos University,
P.O. Box 50, Al-Khod 123,
Sultanate of Oman**

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Genetics Computer Group has an opening on its technical support staff for an individual to handle all aspects of technical support including directly responding to user questions and organizing and maintaining an in-house resource of technical information. An advanced degree in biology and experience with sequence analysis software is required. VMS or UNIX computer systems experience is also required. The successful candidate should also have good interpersonal skills as s/he will be responsible for all aspects of technical support for the international community of scientists that use the Wisconsin Sequence Analysis Package. Submit curriculum vitae with references to: **Genetics Computer Group, Inc., 575 Science Drive, Madison, WI 53711. Genetics Computer Group is an Equal Opportunity Employer.**

BIBLIOGRAPHER FOR THE GRAY HERBARIUM INDEX and RESEARCH ASSOCIATE IN PLANT SYSTEMATICS

Applications are invited for the position of Bibliographer for the Gray Herbarium Index and Research Associate in Plant Systematics. The position is a one-year appointment. The Gray Herbarium Index is a botanical bibliography providing sources of names of vascular plants described from the western hemisphere. As bibliographer, the appointee will be responsible for screening current publications for new names of plants, verifying citations, entering data into a database, and maintaining and modifying verification files. In addition to the above responsibilities as Research Associate, the appointee will work on a research project of his/her own design involving plant materials in the Harvard University Herbaria. The appointee will work closely with the Assistant Director for Collections and the Librarian of the Botany Libraries. The successful candidate for this position must have an advanced degree, knowledge of the application of the rules of botanical nomenclature, specific knowledge of and research in plant systematics and computer skills with application to bibliographic databases. Review of applications begins March 25, 1994. Send letter of application, curriculum vitae and the names of three referees to: **Search Committee—Bibliographer/Research Associate, Harvard University Herbaria, 22 Divinity Avenue, Cambridge, MA 02138. Harvard University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.**

POSITIONS OPEN

SUPERVISORY VIROLOGIST

Rockville, Maryland, lab seeks a broadly trained mammalian virologist to support ongoing industrial contracts in isolation and characterization of HIV. Must present strong skills as supervisor and mentor to junior staff, plus background as collaborator with senior staff. Requires strong interpersonal skills to work well with all staff levels and with diverse client groups. Must also exhibit excellent verbal and writing skills. Salary depends on experience. **NO CALLS, PLEASE. FAX: 703/205-6260. SRA Technologies, Inc., 8110 Gatehouse Road, Suite 600, Department 996-CR, Falls Church, VA 22042.**

ANNOUNCEMENTS

REQUEST FOR APPLICATIONS AVAILABLE

The Center for Indoor Air Research, sponsor of scientific research on a broad range of indoor air topics, has available its 1994 Request for Applications booklet. Applications for January 1, 1995, funding must be received by June 1, 1994. For more information on the Center for Indoor Air Research and/or a copy of the Request for Application booklet, call or write: **Center for Indoor Air Research, 1099 Winterson Road, Suite 280, Linthicum, MD 21090. Telephone: (410) 684-3777, FAX: (410) 684-3729.**

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Topics: gene expression and aging, protein synthesis and degradation, cellular senescence, diseases of aging.

Organizers: J. Morley, B. Sly, T. Johnson, J. Armbricht.

Information: Conference Secretary, Geriatric Center (11G-JB), VA Medical Center, St. Louis, MO 63125.

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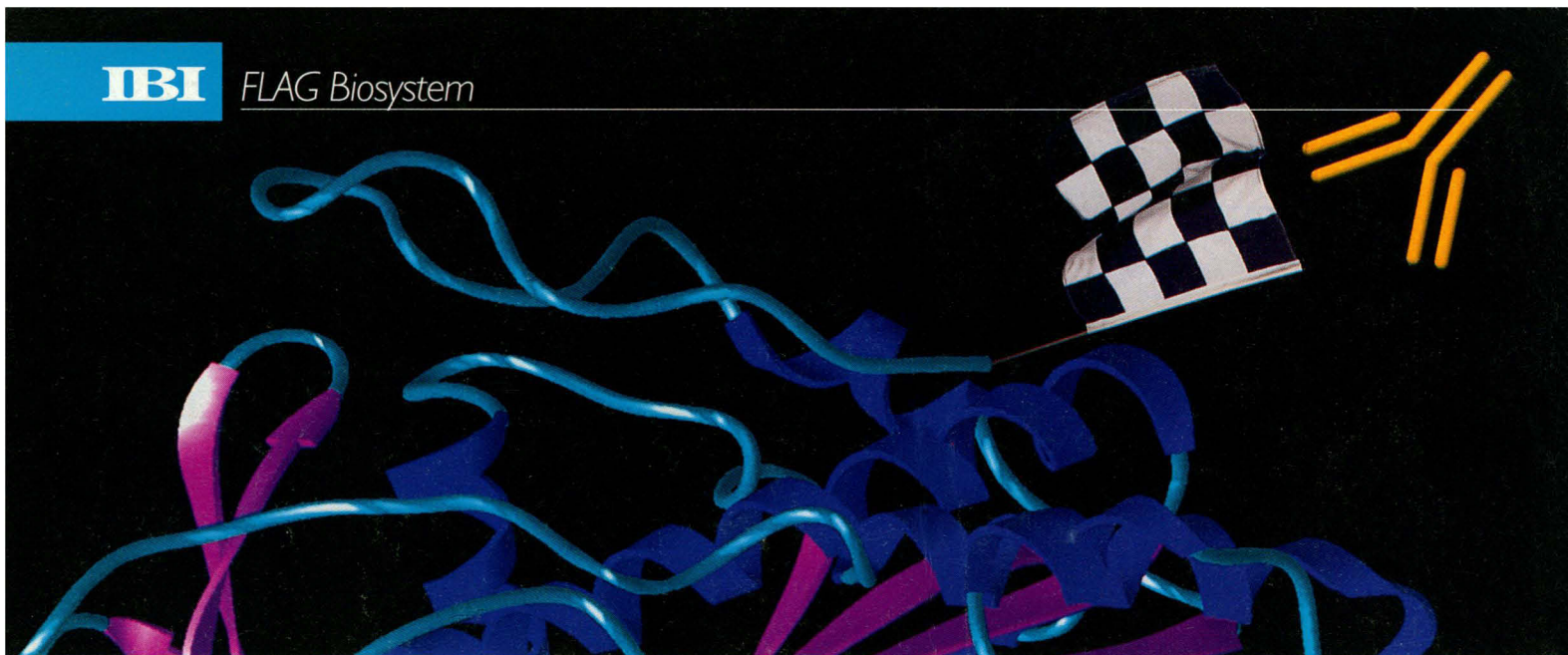
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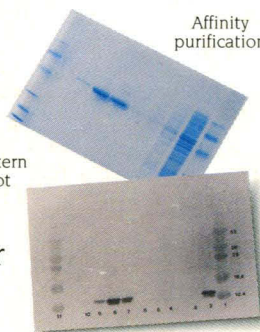
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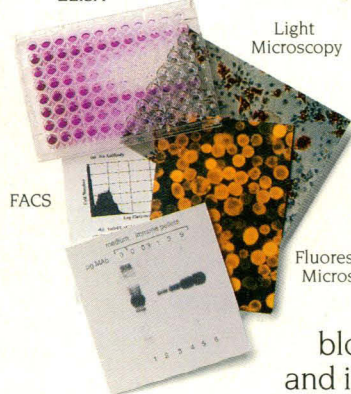


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