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American Association for the Advancement of Science

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If you are presently in the job market, a student anticipating graduation in 1993, or if you are an employer with positions to be filled, and wish to take advantage of our efforts on your behalf there's still time to enroll.

AAAS★93 Annual Meeting
HYNES CONVENTION CENTER, BALLROOM B
BOSTON — FEBRUARY 11-15, 1993

HOURS OF OPERATION

11 February 1993, Thursday
12:00 PM - 5:00 PM .......... Employer Registration and Interview Scheduling
2:00 PM - 7:00 PM .......... Candidate Registration

12 February 1993, Friday
8:00 AM - 5:00 PM .......... Registration and Interview Scheduling
9:00 AM - 4:30 PM .......... Interviews
9:00 AM -10:15 AM .......... Seminar: Interview/Presentation Skills
10:30 AM -12:00 PM .......... Seminar: Resume Writing
1:00 PM - 2:15 PM .......... Seminar: Interview/Presentation Skills
2:30 PM - 4:00 PM .......... Seminar: Resume Writing

13 February 1993, Saturday
8:00 AM - 6:00 PM .......... Registration and Interview Scheduling
9:00 AM - 5:30 PM .......... Interviews
9:00 AM -10:15 AM .......... Seminar: Interview/Presentation Skills
10:30 AM -12:00 PM .......... Seminar: Resume Writing

14 February 1993, Sunday
8:00 AM - 6:00 PM .......... Registration and Interview Scheduling
9:00 AM - 5:30 PM .......... Interviews

15 February 1993, Monday
9:00 AM -1:00 PM .......... Interviews

Contact: Jacquelyn Roberts, AAAS Employment Exchange, 1333 H Street, NW, Washington, DC 20005; Phone: 202-326-6737 before January 20, 1993. OR, you may enroll on-site at the meeting in Boston.
University of Colorado Science, Department of Pharmacology.
The Department of Cellular and Structural Biology seeks to strengthen its programs in DEVELOPMENTAL BIOLOGY, CHEMICAL SENSES, CELL BIOLOGY by filling at least two tenure-track faculty positions. Successful candidates will have a Ph.D. degree, significant postdoctoral experience, and the ability to develop a strong, independent research program. Preferred research areas are the cellular and molecular basis of taste and smell, and fundamental problems in cell biology. Candidates are expected to teach in the Department's instructional programs and may be appointed at the ASSISTANT PROFESSOR or higher level.

DEVELOPMENTAL BIOLOGIST. The Department of Biological Science of Florida State University invites applications for a tenure-track faculty position in Developmental biology at the level of ASSISTANT PROFESSOR. Experience in training senior level applicants will be considered. The selected candidate will be expected to develop a vigorous, independent research program and teach modern cellular methods to research in developmental biology, and to teach human development to medical students. Opportunities exist for interaction with ongoing work in molecular biology, structural biology, and neuroscience, and participation in associated graduate programs. Submit curriculum vitae, a concise description of research interest, and the names, addresses, and telephone numbers of three references to: Dr. Laura R. Keller, Developmental Biology Search Committee, Program in Medical Sciences, 34 Montgomery B-115, Florida State University, Tallahassee, FL 32306-4051. Review of applications will begin February 15, 1993.

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

TWO TENURE-TRACK ASSISTANT PROFESSOR POSITIONS IN DEVELOPMENTAL NEUROSCIENCE
Department of Anatomy, University of Utah School of Medicine.
Applicants must have a Ph.D., M.D., or equivalent degree, postdoctoral research experience, and the ability to develop a strong independent research program. Applicants with demonstrated research expertise in any aspect of nervous system development will be considered. A strong commitment to teaching medical and graduate students is also required; prior teaching experience in a medical school basic science curriculum is preferred. These positions will not require teaching of human (gross) anatomy. Applicants should send curriculum vitae (including a bibliography and list of grant support), a statement of research interests, and the names and addresses of three references.

Send applications to: T. N. Parks, Chair, Department of Anatomy, University of Utah School of Medicine, Salt Lake City, UT 84132. Deadline for applications and nominations is February 1, 1993 or until suitable candidate is identified. The University of Utah is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR. Small, church-related, liberal arts college seeks broadly trained biologist to teach courses in plant and animal physiology, general biology and general biology; will direct students in undergraduate research program. Excellent lab facilities. Send curriculum vitae, transcripts, and three letters of recommendation to: Dr. Daniel Goldsmith, Vice President for Academic Services, McPherson College, McPherson, KS 67460. Telephone: (316) 241-0731. Deadline is January 15, 1993, to assure full consideration. McPherson College is an Equal Opportunity/Affirmative Action Employer by choice.

CHEMIST. Tenure-track ASSISTANT OR ASSOCIATE PROFESSOR position available in the Department of Radiology, University of Pennsylvania. The successful applicant will be expected to join a strong research group in developing new imaging agents, specific emphasis will be conducting research in the development of new agents for in vivo magnetic resonance imaging and teaching at the graduate level. Candidates should have a Ph.D. in medicinal and/or organic chemistry, with working knowledge of medicinal and pharmacology. Please send resume to: Hank F. Kung, Ph.D., Department of Radiology, University of Pennsylvania, Room 310, 3730 Market Street, Philadelphia, PA 19104. The University of Pennsylvania is an Equal Opportunity Employer.
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ONCOLOGY
- Study the role of gene regulation, transcription factors and cellular transformation. Requires a Ph.D. in Molecular or Cell Biology. Please refer to position MH
- Participate in the investigation of enzymes involved in signal transduction and cell proliferation in the field of oncology. Requires a Ph.D. in Biochemistry or Cell Biology with training in enzyme purification. Please refer to position ND

BRONCHOPULMONARY RESEARCH
- Study the role of key cytokines (e.g., IL-5, IL-8) in inflammatory diseases of the lung (e.g., bronchial asthma). Requires a Ph.D. in Pharmacology or Immunology. Please refer to position MW
- Purify and study phospholipases involved in signal transduction mediated by IgE in mast cells and basophils. The successful candidate will be strong in protein biochemistry and have a Ph.D. in Biochemistry or Cell Biology. Please refer to position JK

- Characterize novel IgE receptor associated proteins and the role they play during signal transduction in mast cells and basophils. Requires a Ph.D. in Molecular Biology, Biochemistry or Immunology. Please refer to position JK

DERMATOLOGY
- Study the action of retinoids on the repair of photodamaged skin. Requires a Ph.D. in Biochemistry; knowledge of the biochemistry and physiology of skin is desirable. Please refer to position GB

INFLAMMATION/AUTOIMMUNE DISEASE
- Requires a Ph.D. in Immunology with experience in human and murine T cell immunology. Please refer to position ZN

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FOR CONSIDERATION, PLEASE SEND YOUR CURRICULUM VITAE, THE NAMES OF THREE REFERENCES, AND YOUR POSITION CODE PREFERENCE, TO: MR. R. H. STEVENSON, ASSISTANT DIRECTOR, PRECLINICAL RESEARCH, HOFFMANN-LA ROCHE INC., NUTLEY, NEW JERSEY 07110-1199. WE ARE AN EQUAL OPPORTUNITY EMPLOYER.
The Department of Veterans Affairs (VA) is seeking a qualified research administrator to serve as a Deputy for the Director of the Medical Research Service. The Medical Research Service, with a current annual budget of $200 million, supports biomedical and behavioral sciences research of over 2500 VA scientists, 70% of whom are pursuing degrees in medicine. The Director will be responsible for managing the staff in Washington, D.C., and will assist the Director in policy development, scientific peer review, and budget formulation and distribution. The appointment is for a period of two years with the possibility for extension under the auspices of an Intergovernmental Personnel Act (IPA) appointment. An IPA provides that the candidate will be released scientists and must have an established record of scholarly achievement as well as a strong administrative background. Relocation expenses are negotiable. Equal Opportunity Employer.

Qualified applicants are invited to send their curriculum vitae to: Martin L. Albert, M.D., Director, Medical Research; c/o Neurology Department (127) Department of Veterans Affairs, 150 South Huntington Avenue, Boston, MA 02130.

### CELL BIOLOGIST/MOLECULAR BIOLOGIST

The Institute of Chemical Toxicology (ICT), Wayne State University, is seeking a tenure-track faculty position at the ASSOCIATE/FULL PROFESSOR level in the area of cell biology and/or eukaryotic molecular biology. Preference will be given to applicants interested in factors affecting cultured cell function, phenotypic characteristics, differentiation, regulation of gene expression, and in those areas to experience in oncogenesis, transduction mechanisms, growth factors, retrovirus production, and in the cellular/physiological effects of toxic substances and carcinogens (e.g., DNA repair). The ICT has 8 faculty actively engaged in research on regulation of gene expression, the transcriptional and tumor suppressor gene function, immunomodulation, immortalization, and differentiated epidermal cell function, kinase-mediated signal transduction, cellular toxicity of metals and transgenic animals. The ICT has established a transgenic animal facility. The Institute of Chemical Toxicology offers a research-intensive environment and faculty are expected to develop independent, externally funded research programs. Excellent new laboratories, equipment, support facilities, and generous start-up funds are available. Candidates must have Ph.D., M.D., or D.V.M. degree and a strong track record in research. Send curriculum vitae and a brief description of research interests to:

- Dr. Raymond F. Novak
  Institute of Chemical Toxicology
  Wayne State University
  2727 Second Avenue, Room 4000
  Detroit, MI 48201

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

### ASSISTANT PROFESSOR

The Department of Molecular and Cellular Biology at the University of Connecticut invites applications for an anticipated tenure-track position at the ASSISTANT PROFESSOR level, beginning September 1, 1993. The successful candidate will be expected to teach a course in theoretical/ mathematical ecology and continue to develop and teach graduate and undergraduate courses as appropriate. Applicants should have a strong research and teaching commitment, with a demonstrated ability to make significant contributions to ecological theory and/or empirical research. Applicants engaged in theoretical work with empirical ecology through mathematical modeling. Applicants should submit curriculum vitae, a statement of research interests, and names and addresses of three letters of recommendation to be sent to: Dr. John Silander, Chair, Search Committee, Department of Ecology and Evolutionary Biology, University of Connecticut, U-42, 75 North Eagleville Road, Storrs, CT 06269–3042. Screening of completed files will begin February 15, 1993 and continue until the position is filled. We welcome applications from minorities, women and people with disabilities. (Search #3A140)

University of Massachusetts

Neuroscience and Behavior Program

DEVELOPMENTAL NEUROSCIENTIST

A tenure-track position, at the ASSISTANT or ASSOCIATE PROFESSOR level, is available in the Neuroscience and Behavior Program at the University of Massachusetts. Any of a number of specialties within the broad area of neurodevelopment would be appropriate. For example, projects involving with learning or plasticity of adult brains, the determination of transmitter pheno- types in the developing brain, or the behavioral and molecular/genetic analysis of neurodevelopment would be appropriate. The successful candidate will be expected to establish an active, externally funded research program. Applications will include teaching in the Biology or Psychology Department and graduate teaching in the NSB Program. A Ph.D. degree and postdoc- toral experience are required. The salary will be commensurate with experience. Liberal space and start-up funds are available. Send curriculum vitae, a summary of research interests and have three letters of recommendation forwarded to:

- Dr. R. K. Murphy, Director
  Neuroscience and Behavior Program
  Morrill Science Center–South (Biology)
  University of Massachusetts
  Amherst, MA 01003

The search will close February 22, 1993 or as soon thereafter as a suitable candidate is found. The University is an Affirmative Action/Equal Opportunity Employer.

### ASSOCIATE/ASSOCIATE PROFESSOR

Biochemistry

University of Connecticut

The Department of Molecular and Cell Biology at the University of Connecticut invites applications for an anticipated tenure-track position with a target starting date of September 1, 1993. The successful candidate should have significant postdoctoral experience and will be expected to establish a strong, externally funded research program in the general area of protein science. We are particularly interested in receiving applications from individuals who can combine biochemical and physical biochemical approaches. The successful candidate also will be expected to participate in graduate training and in the teaching program of the Department. Exceptional candidates will be considered for appointment at the Associate Professor level. Applicants should submit curriculum vitae, reprints or preprints of major publications, a statement summarizing research accomplishments and future plans, and have at least three letters of recommendation sent to: Professor Richard Crain, Chair, Bio- chemistry and Biophysics Department, University of Connecticut, Department of Molecular and Cell Biology, U-125, 78 North Eagleville Road, Storrs, CT 06269–3192. The search will begin on February 15, 1993 and continue until the position is filled. The University of Connecticut encourages minorities, women and people with disabilities to apply for this position. (Search #3A143)
**NATIONAL INSTITUTE ON AGING**  
**NATIONAL INSTITUTES OF HEALTH**  
**Senior Staff Fellow Position**  
**Neuropharmacology/Neuropsychology**

The Laboratory of Neurosciences, Public Health Service, seeks a qualified neuropsychologist for a Staff Fellow/Senior Staff Fellow position dedicated to clinical pharmacology in relation to aging and therapy of Alzheimer’s disease. Responsibilities include writing clinical drug protocols and applying cognitive and physiological measures and functional brain imaging (positron emission tomography) to evaluate mechanisms and effectiveness of drug action in the central nervous system. A Ph.D. in neuropsychology or cognitive neurosciences and research experience in clinical pharmacology are required. The position is located at the NIH campus in Bethesda, Maryland, in the laboratory directed by Dr. Stanley Rapoport. Salary is commensurate with experience. Applicants should send a current curriculum vitae and a letter discussing research interests and experience to:

James V. Haxby, Ph.D.  
Laboratory of Neurosciences  
National Institute of Aging  
National Institutes of Health  
Bldg. 10, Room 6C414  
9000 Rockville Pike  
Bethesda, MD 20892  
FAX: 301-402-0595

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**BIOLOGICAL SCIENCES**

**Cincinnati Center**

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**Pharmacologist**

Working knowledge of membrane signal transduction, cellular transport, DNA/RNA isolation techniques, enzyme kinetics, radioreceptor assay, radioimmunoassay, and also protein purification and characterization is desirable. Must be able to work independently. The ideal candidate will have:

- M.S. in pharmacology.  
- Experience in mammalian primary cell culture, subcellular fractionation of organelles and eukaryotic gene expression.  
- Experience in use of radioisotopes and knowledge of tissue culture.

Job Code: 03884

**Biologist**

Working in a multidisciplinary group applying techniques of molecular biology in the cardiovascular area, the ideal candidate will have:

- B.S./M.S. in biochemistry or cellular/molecular biology.  
- Working knowledge of eukaryotic gene expression.  
- Experience with tissue culture, intracellular signal transduction pathways, cellular transport, DNA/RNA isolation and recombinant DNA techniques, RIA and ELISA.  
- Excellent oral and written communication skills.

Job Code: 01805

Excellent compensation includes bonuses, 401(k), and stock options. You’ll also find an affordable yet cosmopolitan lifestyle in Cincinnati. Please send resume, 2-3 references, and salary history to: Marion Merrell Dow Inc., Human Resources Dept., Job Code: 03884 or 01805, 2110 East Galbraith Rd., Cincinnati, OH 45215.

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**Assistant Professor**  
**Department of Biochemistry**

The Department of Biochemistry at Louisiana State University is seeking an Assistant Professor (tenure track). Candidates should have a Ph.D. and postdoctoral research experience in biochemistry or molecular biology and will be expected to establish a vigorous independent research program and participate in teaching at the graduate and advanced undergraduate level. The department is seeking the best available candidate. Facilities available within the department or College of Basic Sciences include: DNA Synthesizer and Sequencer, Peptide Sequencers and Synthesizer, Amino Acid Analyzer, Macromolecular (VAX) computer facility with an Evans & Sutherland Graphics Workstation, TOF and FAB Mass Spectrometers, and 500 MHz High resolution NMR. Salary will be commensurate with qualifications and experience. Send curriculum vitae, description of current and proposed research programs, and names and addresses of three references to:

Search Committee Chairman  
Department of Biochemistry  
Louisiana State University  
Baton Rouge, Louisiana 70803

Application deadline is February 15, 1993 or until a suitable candidate is identified.

An Affirmative Action/Equal Opportunity Employer
The Polymer Science and Engineering Department at the University of Massachusetts, Amherst, seeks applications for positions as ASSISTANT PROFESSORS of Polymer Science and Engineering beginning fall 1993. Applicants should have a Ph.D. degree and be working in the area of polymer engineering with interests in the experimental mechanics of solids, and the other is in the area of polymer synthesis. Successful candidates are invited to submit a curriculum vitae, and the names and addresses of three references to: Professor J. E. Mark, Department of Polymer Science and Engineering, University of Massachusetts, Amherst, MA 01003. The deadline for receipt of applications is March 1, 1993, but the search will continue until suitable candidates are found. All appointments are subject to final budgetary approval. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer.

APPLIED FRESHWATER ECOLOGIST

The University of Kansas Environmental Studies Program and Department of Systematics and Ecology invite applications for a tenure-track position as ASSISTANT PROFESSOR starting 17 August 1993. We seek a productive, creative, and enthusiastic ecologist who will participate actively in a large undergraduate Environmental Studies Program, as well as a graduate program in aquatic ecology. The candidate will teach environmental monitoring and impact assessment required. Annual salary: $30,000 to $40,000. Applications should include a complete position description. Send a letter of application, curriculum vitae, and names and addresses of three references to: K. V. Oechel, Chair, Department of Systematics and Ecology, University of Kansas, Lawrence KS 66045–2106. Telephone: (913) 864–4169; FAX: (913) 864–5821. Application deadline 8 February 1993 (postmarked for a February 1993 search). The successful candidate will be subject to final budgetary approval. The University is committed to increasing the ethnic and gender diversity of its faculty, and we strongly encourage female and minority applicants to apply. Equal Opportunity/Affirmative Action Employer.

MOLECULAR SYSTEMATIST

The Department of Biological Sciences, The University of Alabama, is seeking Ph.D. applicants with interests in molecular systematics of eukaryotic organisms using nucleic acid sequencing and analytical methods. The successful candidate will have expertise in systematics and may be part of a newly established, tenure-track post at the University of Alabama. Applicants should have a Ph.D. degree and be working in the area of molecular phylogenetics. Successful candidates are invited to submit a letter of application, curriculum vitae, and the names and addresses of three references to: Dr. Richard L. Mayden, Department of Biological Sciences, The University of Alabama, Box 870344, Tuscaloosa, AL 35487–0344. Closing date February 15, 1993. The University of Alabama is an Equal Opportunity/Affirmative Action Employer.

MOLECULAR NEPHROLOGIST

The Renal Unit at the Massachusetts General Hospital is seeking candidates for the position of ASSISTANT PROFESSOR level. Applicants should have an M.D. degree, Board eligibility or certificate in Nephrology and have a strong interest in research in molecular biology of G proteins and signal transduction in kidney epithelia. The starting salary range is $50,000. Candidates should submit a letter of application, curriculum vitae, and the names and addresses of three references to: Dr. Dennis A. Ausiello, Chief, Renal Unit, 149 13th Street, Charleston, MA 02115. Harvard University is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSISTANT MOLECULAR ENDOCRINOLOGY

The Division of Endocrinology at the University of Maryland Department of Medicine is seeking a RESEARCH ASSISTANT to participate in a new molecular biology program concerning hormonal regulation of hypothalamic gene expression, beginning July 1, 1993. The successful candidate will be expected to have a Ph.D. degree with minimally two years of postdoctoral experience in molecular biology of re- search is required. Salary is competitive. Send resume and three personal references to: Dr. John F. Wilber, Department of Medicine, School of Medicine, University of Maryland, 22 South Greene Street, Baltimore, MD 21201. Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR—GROSS ANATOMY

The Department of Anatomy of the Kirchberg College of Osteopathic Medicine is seeking candidates for a tenure-track assistant professor position. Applicants must hold a doctoral degree in a biomedical science. Previous teaching experience is required. Successful candidates should have postdoctoral experience, and must develop an independent research program. A curriculum vitae, names of three references, and a description of research interests are to be sent to: Dr. George W. Eichler, Kirchberg College of Osteopathic Medicine, Kirksville, MO 63501. Effective appointment date is July 1, 1993. Equal Opportunity/Affirmative Action Employer.

CELL AND DEVELOPMENTAL BIOLOGIST

The Biology and Microbiology Department, University of Wisconsin–Oshkosh, invites applications for an assistant professor position starting fall 1993. Responsibilities include teaching Cell, Developmental and possibly Introductory Biology; developing a research program, pursuing extramural funding and supervising Master’s theses. Training in animal systems preferred. Ph.D. required, postdoctoral and teaching experience desirable. Applications due 1 March 1993. Send applications, reference letters, and transcripts to: M. A. Rouf, Department of Biology & Microbiology, University of Wisconsin–Oshkosh, Oshkosh, WI 54901. Applications from Wisconsin–Oshkosh is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR: CONNECTIVE TISSUE BIOLOGY

The Division of Oral Biology is seeking a tenure-track Assistant Professor to begin September 1993. The candidate must hold the Ph.D. or M.D. and/or Ph.D. degree and be expected to participate in Ph.D. training and to develop an independent research program. Teaching to dental students and graduate students is required. This position is subject to final budgetary approval. The University is committed to increasing the ethnic and gender diversity of its faculty, and we strongly encourage female and minority applicants to apply. Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR, NEUROBIOLOGY

COLUMBIA UNIVERSITY

Applications are invited for three tenure-track positions in the Center for Neurobiology and Behavior, at Columbia University, College of Physicians and Surgeons, New York, NY 10032. Successful candidates are expected to have at least two years of postdoctoral training. Successful candidates will be expected to develop a vigorous, independent research program in one of three areas: (1) Computational neuroscience (theoretical or combined experimental/theoretical approaches); (2) Analysis of the molecular mechanisms of transmitter release; (3) Analysis of the function and control of transcription factors in the nervous system. Submit curriculum vitae, names and addresses of three references, and summary of current research program to Dr. Robert A. Gross, Chairman, Center for Neurobiology and Behavior, New York State Psychiatric Institute, 722 West 168th Street, New York, NY 10032. Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

PHYSICIAN—ASSISTANT/ASSOCIATE PROFESSOR level—The University of Texas Medical Branch (UTMB) at Galveston, a historical Gulf Coast island community, is expanding its Genitourinary Division and seeks applications for a research track position for Physicians at the Assistant or Associate Professor level who are interested in clinical education, patient care, or health services research. The successful candidate will be expected to develop and direct an extramurally funded, extramurally supported faculty position with primary clinical responsibilities, a hospital-based research program, and primary care, a day hospital, an inpatient geriatric unit, home health, and nursing home affiliations. Interested candidates are encouraged to submit curriculum vitae to: Dr. James S. Goodwin, M.D., Division of Geriatrics, UTMB, Galveston, TX 77555–0460. An Equal Opportunity/Affirmative Action Employer. M/F/D. UTMB is a smoke-free environment. Women and minorities are encouraged to apply.

BEHAVIORAL PHARMACOLOGIST

Applicants are being sought for a nontenured faculty position in the Department of Pharmacology and Toxicology at Virginia Commonwealth University at the rank of ASSISTANT PROFESSOR. Applicants should have a Ph.D. or equivalent degree with at least 2 years of postdoctoral experience in behavioral neuro- research. The selected individual will design and conduct multidisciplinary animal studies with drugs of abuse using operant behavior, drug discrimination and self-administration procedures to encourage the development of a new model for initiation of an independent research program, and may do some teaching in the area of CNS pharmacology. Applicants should include a brief description of research background and interests, curriculum vitae and the names, addresses and telephone numbers of at least three references, sent to: James K. Balster, Department of Pharmacology and Toxicology, Box 613 MCV Station, Richmond, VA 23298. Formal consideration of applications will begin February 1, 1993. Virginia Commonwealth University is an Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ENVIRONMENTAL GEOCHEMIST—The Chesapeake Biological Laboratory (CBL) of the University of Maryland System's Center for Marine and Environmental Studies (CEES) seeks an environmental geochemist to fill a tenure-track position at the ASSISTANT PROFESSOR level. Current research at CBL includes studies of the geochemistry of natural and anthropogenic organic compounds, the microbially mediated cycling of nitrogen, sulfur, and carbon, and chemical sedimentology. We seek a colleague whose research interests complement these existing programs in environmental chemistry, especially one who employs trace elements and/or radioisotopes to probe fundamental processes of the marine environment. Facilities for this position will be housed in the new Coastal Chemistry Laboratory now under construction, which includes trace chemical laboratories and a dedicated mass spectrometry laboratory. CBL encourages interdisciplinary research. For example, CEES is the lead institution in MEERIC (Multiscale Experimental Ecosystem Research) which evaluates ecosystem response to a changing Mississippi River system. The successful candidate will be expected to establish an externally funded research program. Participation in the university-wide Graduate Education Program is part of the responsibilities of the successful candidate. A Ph.D. in chemistry, oceanography, or related field is required and post-doctoral experience is preferred. Please submit curriculum vitae, a statement of research interests, three publications, and the names of at least three references to: Dr. Joel Miller, CBL, Environmental Chemistry Search Committee, CBL, Box 38, Solomons, MD 20688. Applications received before 1 March 1993 will be given full consideration. CEES welcomes and encourages applications from minority and women colleagues.

CELL BIOLOGIST at the INSTRUCTOR or ASSISTANT PROFESSOR level. Candidates with post-doctoral experience and ability to perform independent research preferred. The Department of Otolaryngology supports a strong multidisciplinary basic research program in identifying local inflammatory and tissue injury reactions. Please send curriculum vitae and letters of recommendation to: Robert H. Ossoff, D.M.D., M.D., Chairman, Department of Otolaryngology, Vanderbilt University, S-2100 MCN Nashville, TN 37232–2859. Equal Opportunity/Affirmative Action Employer.
ASSISTANT DIRECTOR - DEVELOPMENT CHEMISTRY

Triplex Pharmaceutical Corporation, a rapidly growing, well-financed, biotechnology company focused on the design and commercial development of triple helix forming therapeutics for human use, has an immediate employment opportunity available for a highly motivated scientist with experience in nucleic acid chemistry. Triplex is seeking an Assistant Director for its Development Chemistry Department. This position requires a Ph.D. in Organic Chemistry or Biochemistry with a minimum of 5 years industrial experience in all aspects of synthesis, purification and characterization of oligonucleotides. Experience in large scale synthesis is essential. Laboratory management experience is also required. Familiarity with GLP/GMP regulations is highly desirable. This individual will also possess strong leadership and communication skills and be capable of working in an environment with a strong sense of urgency and dedication.

The individual who meets the above requirements will be responsible for directing large scale synthesis of oligonucleotides. Other responsibilities will include development of procedures and protocols for oligonucleotide scale-up, technical direction and supervision of a team of scientists. TRIPLEX is located in an attractive community north of Houston offering access to Baylor College of Medicine, Texas Medical Center, Rice University, and the University of Houston. The Company offers competitive salaries and benefits as well as opportunities for publication and rapid career growth in an exciting company. Qualified chemists are encouraged to submit full resumes with references to:

Human Resources Manager
Triplex Pharmaceutical Corporation
9391 Grogan’s Mill Road
The Woodlands, TX 77380
Fax: 713/363-1168

DEPARTMENT OF BIOLOGICAL SCIENCES

AVIAN PHYSIOLOGICAL ECOLOGY

The Department of Biological Sciences invites applications for a tenure track Assistant Professor position. We seek an avian ecologist with proven ability to undertake physiological research on free-living birds in an evolutionary and ecological context. Possible areas of research include energetics, digestion or metabolism, but any relevant area may be considered. The successful applicant will hold an endowed position funded jointly by Simon Fraser University, the Canadian Wildlife Service (CWS), and the Natural Sciences and Engineering Research Council (NSERC) of Canada, and will be part of a team devoted to basic research on the problems faced by birds in changing environments. The candidate will be expected to teach in the biology program and to interact with colleagues in the Department of Biological Sciences and the CWS.

Interested applicants should send a letter outlining their research interests and how they fit the position’s profile, a complete curriculum vitae, the names of three referees and three reprints to:

Dr. B. A. McKeown, Chair
ATT: Avian Physiological Ecologist
Department of Biological Sciences
Simon Fraser University
Burnaby, B.C. Canada
V5A 1S6

CLOSING DATE FOR APPLICATIONS IS MARCH 1, 1993

Simon Fraser University is committed to the principle of equity in employment and offers equal employment opportunities to qualified applicants. The Department is particularly interested in increasing the number of qualified female applicants. This advertisement is directed to applicants who at the time of application are eligible for employment in Canada. This position is subject to budgetary confirmation.

A Clear-Cut Advantage.

At CV Therapeutics, a growing biopharmaceutical company focused on cardiovascular diseases, we have a clear-cut advantage in the development of novel drugs. Our proprietary technology and scientific team put our research efforts at the forefront of the industry. We currently have several opportunities available for Ph.D. scientists to contribute to our research efforts at our San Francisco Bay Area location.

Cell Culture

Using site-directed mutagenesis, this research will emphasize the correlation between structure and function of a variety of proteins that mediate cholesterol transport. Accordingly, you will develop and provide routine maintenance of a cell culture assay for the uptake of cholesterol. You will also initiate a drug discovery program to find candidates to block cholesterol absorption. Your Ph.D. in Biology, Cell Biology or a related field should be complemented by 2+ years’ postdoctoral or industrial experience. Some experience in molecular biology would be helpful. Please refer to Dept. #CC/CAS.

Molecular Biologist

Working within our vascular biology group, you will develop in vitro and in vivo models to study angiogenesis and restenosis injury with a focus on cytokine and growth factor biology in these settings. Your Ph.D. in Molecular Biology, Chemistry or a related field should be complemented with a minimum of 2+ years’ postdoctoral experience. Ability to screen libraries, clone and sequence DNA is essential. Experience with gene expression and the ability to work with RNA required. Experience with mutational analysis desired. Please refer to Dept. #MB/PGM.

Lipid Biochemist

You will study the role of recently characterized lipid inflammatory factors. Research emphasis will focus on extraction, isolation and characterization of leukocyte-activating lipid factors produced by in vivo models of inflammation. Additional lines of investigation include evaluation of lipid inhibitors of mediator synthesis and the design and synthesis of potential antagonists of receptor activation. You will need a Ph.D. in Cell Biology, Biochemistry or a related field, combined with 3-5 years’ practical experience with lipid receptors and the biology of inflammation. Please refer to Dept. #LB/GFS.

Learn more about all of the professional and personal advantages we offer our people. Send your C.V., indicating the appropriate Dept. #, and the names of three references along with a cover letter to: Pat Donchin, CV Therapeutics, Inc., 1615 Plymouth Street, Mountain View, CA 94043. EOE.
UNIVERSITY OF WYOMING

The Department of Zoology & Physiology invites applications for a tenure-track position of ASSISTANT PROFESSOR to contribute to the area of Environmental Science/Bioremediation. The successful candidate is expected to participate in and develop interdisciplinary research activities related to the concentration. Research should include basic inquiry into chemical and/or microbial processes related to prevention or remediation of groundwater contamination. Teaching will include undergraduate and graduate instruction. Applicants must have a Ph.D. in biological or environmental science, and be able to interact with environmental chemists, geochemists, environmental toxicologists, microbiologists, and ecologists. Submit a résumé, copies of transcripts, a brief description of research and teaching interests, and 3 references by February 15, 1993 to: Environmentally Significant Search Committee, Department of Zoology & Physiology, University of Wyoming, Laramie, WY 82071. The University of Wyoming is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR
GENETICS/DEVELOPMENT

The Department of Biology at Cedar Crest College invites applications for a tenure-track position beginning in August 1993. Teaching responsibilities will include an upper level course in development, and a junior/senior course in plant and animal molecular biology. Other responsibilities will include student advising, supervision of undergraduate research, and activity in professional associations. Applicants must have a Ph.D. in genetics or a related field, and a demonstrated commitment to undergraduate teaching. Send letter of interest, curriculum vitae, and three letters of reference to: Dr. Anne Henrion, Chair, Department of Biology, Cedar Crest College, 100 College Drive, Allentown, PA 18104-6196.

VERTEBRATE ZOOLOGIST

Tenure-track position, ASSISTANT PROFESSOR, beginning fall 1993 (pending budget approval). Teaching responsibilities include General Zoology, Vertebrate Zoology, Ichthyology, and Herpetology. Research involving undergraduate and graduate students is expected. Applicants must have a Ph.D. in a biological science. Submit a curriculum vitae, copies of transcripts, three letters of recommendation, and a statement of research interest by February 15, 1993. Send correspondence to: Department Chair, Department of Biology, Cedar Crest College, 100 College Drive, Allentown, PA 18104-6196. Texas A&I University is an Equal Opportunity/Affirmative Action Employer.

ECOLOGIST

The Department of Biological Sciences invites applicants for a tenure-track position in ecology at the level of ASSISTANT PROFESSOR. Applicants should have demonstrated ability in research and are expected to develop an externally funded research program. Post-doctoral experience required. Research concentration should be in one of the following areas: population, community, behavioral, molecular, or evolutionary ecology combined with experience in and a strong commitment to conservation biology. Duties include teaching and helping to develop a graduate biodiversity program. Expected start date: September 1, 1993. Applicants should send curriculum vitae, statement of experience and research plans, and names and telephone numbers of three referees by February 15, 1993 to: Margaret M. Stewart, Ph.D., Chair, Search Committee, Department of Biological Sciences, SUNY, Oneonta, NY 13820.

ASSISTANT/ASSOCIATE PROFESSOR
DEPARTMENT OF ANATOMY & NEUROBIOLOGY
DALHOUSIE UNIVERSITY
HALIFAX, NOVA SCOTIA

The Department of Anatomy & Neurobiology at Dalhousie University invites applications for a tenure-track position to commence July 1, 1993. Candidates must have a Ph.D. and have undertaken postdoctoral training. The candidates will be expected to develop a strong academic and contribute to graduate training. The ability to teach histology, gross anatomy or neuroanatomy is required. Current research activities within the department include neurobiology, functional morphology and cell biology. Excellent facilities and start-up funds are available. Applications must include curriculum vitae, copies of transcripts, an outline of present and future research directions, a summary of teaching experience and the names of three referees. Application review will begin March 1, 1993. Dalhousie University is an Employment Equity/Affirmative Action Employer. The University encourages applications from qualified women, aboriginal peoples, visible minorities and persons with disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. Please apply to: Dr. A. H. Atwood, Dean, Faculty of Medicine, Dalhousie University, Halifax, Nova Scotia, Canada, B3H 4H7. Telephone: 902-494-6850; FAX: 902-494-1212.

ASSOCIATE/ASSOCIATE PROFESSOR
MOLECULAR BIOLOGY/IMMUNOLOGY
DEPARTMENT OF OBSTETRICS, GYNECOLOGY AND REPRODUCTIVE SCIENCES
University of Pittsburgh School of Medicine

The Department of Obstetrics, Gynecology and Reproductive Medicine is seeking a molecular biologist/immunologist at the level of Instructor or Assistant Professor in the Division of Reproductive Infectious Disease and Immunology. Candidates must have Ph.D. or M.D., molecular and cellular research experience and a demonstrated commitment to research and teaching. Duties include the development of a successful research program in the area of molecular pathogenesis and/or immunology of reproductive tract infections. The position provides a support package and protected research time. Salary is dependent upon rank and experience.

Applications with curriculum vitae should be sent to: Richard L. Sweet, M.D., Chair, Department of Obstetrics, Gynecology and Reproductive Sciences; University of Pittsburgh; 100 Lothrop St., Department OB/GYN; Magee-Womens Hospital; 300 Halket Street; Pittsburgh, PA 15213.

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

MISSOURI MICROBIOLOGIST,
DEPARTMENT OF ORAL BIOLOGY

The University of Missouri–Kansas City, School of Dentistry is seeking a person for a full-time, tenure-track position in the Department of Oral Biology at the academic rank of ASSOCIATE PROFESSOR or PROFESSOR, beginning September 1, 1993. Minimum qualifications include a Ph.D. in microbiology or related field. Expertise with microorganisms associated with periodontal diseases and experience in teaching and supervising graduate students is desired. Candidates will have a history of a successful independent research program with demonstrated ability of attracting research funds. Job requirements include teaching and supervising graduate students at the certificate, master's and Ph.D. levels; conducting independent research; and collaborating with clinicians and with the Research Center at the School of Dentistry. Send a résumé and letter of application to: Dr. Marilyn Harding, Associate Dean, School of Dentistry, 650 East 25th Street, Kansas City, MO 64108.

More than 150,000 people paid to see your ad in SCIENCE. Classified Advertising Department telephone: 202-326-6555. FAX: 202-682-0816.

SCIENCE • VOL. 259 • 8 JANUARY 1993

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Research Scientists in Protein Chemistry

As a Research Scientist, you will be working on the purification and characterization of natural and recombinant proteins. A Ph.D. in biochemistry or a related field coupled with 2-5 years post-doctoral experience in chromatography and electrophoretic techniques is essential. Knowledge of ligands/receptors will be an asset. 

(Job Code 9-511)

Research Associates in Protein Chemistry

As a Research Associate, you will possess a B.A./M.S. degree in Biochemistry or a related field, and 2+ years' laboratory experience. Under the guidance of Scientists, you will be working on the purification and characterization of natural and recombinant proteins. Knowledge of chromatography and electrophoretic techniques is an asset.

(Job Code 9-512)

At Amgen, we invest our employees with the freedom to manage their affairs, regulate the quality of work, and make decisions within company goals. And we back this freedom with meaningful challenge and responsibility, as well as a compensation and benefits package that reflects the level of our commitment. If you're interested in these positions, please send your resume/cv, in confidence, to: Amgen Inc., Staffing, MS 10-1-A-411, Job Code (See Above), Amgen Center, Thousand Oaks, CA 91320-1789. Equal Opportunity Employer M/F/D/V.

TECHNICAL DIRECTOR
OFFICE OF NAVAL RESEARCH
AND
DEPUTY CHIEF OF NAVAL RESEARCH

FEDERAL SENIOR EXECUTIVE SERVICE POSITION

The Technical Director (TD), Office of Naval Research (ONR), and Deputy Chief of Naval Research (DCNR) is the senior civilian manager in ONR. The mission of ONR is to plan and manage all Science and Technology for the Department of the Navy, including an annual investment of $1.5 billion in basic research, exploratory development, and advanced technology development. The Chief of Naval Research reports to the Secretary of the Navy.

The TD/DCNR reports directly to the Chief of Naval Research (a Rear Admiral, U.S. Navy) and provides executive, technical, and scientific direction to ONR in the performance of its mission. The TD/DCNR exercises line management over ONR headquarters, the Naval Research Laboratory, and foreign offices in Europe and Asia. The incumbent will serve as the CNR's direct representative to the highest levels of the Department of Defense, the Department of the Navy, other branches of government, and national and international technical societies.

Fully qualified applicants will have extensive knowledge and experience in Science and Technology management; planning; policy development; and broad insight into national, Defense, and Naval challenges, opportunities, and programs. Demonstrated ability in execution of significant technology demonstration programs is highly desirable. Such knowledge and ability normally includes a doctorate level degree in one of the physical sciences or in engineering, or its equivalent in experience.

The selectee for this position will be offered a career appointment in the Federal service at the ES-1 ($90,000) to ES-6 ($112,000) level, depending on qualifications. An exceptionally well-qualified selectee may be authorized a one-time recruitment bonus of 25% of base salary (non-Federal employee) or a 25% relocation bonus (for Federal selectee only). In addition, career SES appointees compete for annual awards and bonuses based on job performance.

Interested individuals should submit a resume or Standard Form 171, Application for Federal Employment (available at Federal Job Information Centers or from the address below), to:

Office of Naval Research (Code 01HR1)
Ballston Tower #1
Attn: Announcement #92-31 (S)
800 N. Quincy Street
Arlington, VA 22217-5660

Applications will be accepted through 1 March 1993, and must be received by that date. For further information, please call (703) 696-4705, or TDD (telecommunication device for the deaf) (703) 696-2681.

U.S. Citizenship Required An Equal Opportunity Employer
Readership/Senior Lectureship/ Lectureship in Zoology (Ref: 92/93-39)

Applications are invited for the above posts, tenable from early 1993. Applicants should have an appropriate higher degree, normally a PhD, and relevant teaching and experience/research interest in one of the following areas: general zoology, invertebrate zoology, entomology, neuroscience, biotechnology, food and nutritional science, genetics, developmental biology, animal behaviour.

Annual salaries (superannuable) are on the scales: Reader HK$557,100–740,100 (9 points) (approx US$72,225–96,000); Senior Lecturer HK$534,000–717,360 (9 points) (approx US$69,260–93,042); Lecturer HK$343,680–574,140 (11 points) (approx US$44,575–74,467). (US Dollar equivalent as at 4th December 1992).

Starting salaries depend on qualifications and experience. Salaries tax is currently 15% of gross income. Appointments are normally made on permanent, superannuable terms, subject to a period of probation of not less than 33 months. Staff benefits include generous leave provisions, medical benefits and children’s educational allowances; housing assistance is also provided in most cases, at a charge of 7.5% of salary.

Further particulars and application forms may be obtained from Appointments (41288A), Association of Commonwealth Universities, 36 Gordon Square, London WC1H OPF, UK, or from the Staffing Section, Registry, The University of Hong Kong, Hong Kong (Fax (852) 5592058; E-mail: APPTUNIT@HKUV1.HKU.HK). Please quote title of post/ department and reference number in all correspondence.

Closes: 5th February 1993.

POSTDOCTORAL FELLOWSHIP

A 2-year postdoctoral position in pulmonary pharmacology is currently available in the Pharmacology Department at ICI Pharmaceuticals Group.

Candidate will be involved in ongoing research concerning effects and mechanisms of effects of C-fiber activation in the airways. Studies will also involve modulation of C-fiber responses.

PhD or equivalent in a biological science is required. Experience with isolated tissue preparations and measurement of physiological or pharmacological responses is preferred.

Interested candidates should submit a c.v. to: Melanie M. Lewis, Human Resources, ICI Pharmaceuticals Group, Concord Pike and New Murphy Road, Wilmington, DE 19897.

HOPKINS MARINE STATION of STANFORD UNIVERSITY announces the availability of a tenured position.

The Hopkins Marine Station of Stanford University invites applications from distinguished senior scientists in the fields of evolution, conservation biology, population genetics, or phylogeography. We seek candidates who have made outstanding contributions to their field by the application of modern molecular and genetic techniques to address fundamental problems in evolutionary biology. Current and future interest in working on marine organisms is necessary. The appointment will, most likely, be made at the level of Full Professor in the Department of Biological Sciences with residence at the Hopkins Marine Station. Applications, including research interests, curriculum vitae, and the names of five potential references, should be sent to Dr. Dennis A. Powers, Director, Hopkins Marine Station, Stanford University, Pacific Grove, California 93950–3094, no later than February 8, 1993.

Stanford University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

20th International Symposium on Controlled Release of Bioactive Materials

Grand Hyatt Hotel Washington, D.C., U.S.A.
Sponsored by the Controlled Release Society, Inc.

The expanding world view of controlled release will come into focus in Washington, D.C., as leading researchers from around the world present new and contemporary topics in the fields of controlled release and delivery of drugs, biologicals and chemicals. We are seeking papers relating to all areas of controlled delivery, including:

- Agrochemical Delivery
- Chronopharmacology
- Mathematical Modeling
- Oral Delivery
- Peptide/Protein Delivery
- Transdermal Delivery
- Vaccines
- Biotechnological Advances
- Consumer Products
- Modulated Drug Delivery
- Parenteral Administration
- Targeting
- Transmucosal Delivery
- Veterinary Delivery

As part of this special meeting, we will present two half-days of plenary speakers who will address the current and future technical as well as biological aspects of the field.

For more information, please contact:
1020 Milwaukee Avenue, Suite 235, Deerfield, IL 60015 U.S.A.
Telephone: 708/808-7071; Fax: 708/808-7073
With success comes growth, with growth a clarion call for dedicated professionals to join us in the search for new, advanced and improved pharmaceutical products to treat cardiovascular, pulmonary, immune-mediated, viral and other selected diseases. As 1993 approaches, resourceful and enthusiastic team players will be needed to fill the new positions created by our ongoing expansion in anticipation of another year of leadership in the scientific community.

**DRUG METABOLISM SCIENTIST II/III**

You will be responsible for isolating drugs and metabolites from laboratory animal and human studies for identification by mass spectrometry and NMR. In addition, you will be directly involved in the quantitation of drugs and/or metabolites in biological samples; methods development in separation/identification techniques; performing radio-labeled tracer (tritum, carbon-14) studies; and generating data and reports.

Requires a BS or MS in Chemistry or Analytical Biochemistry with a minimum of 3 years experience in a similar position, including chromatographic separation of trace quantities of exogenous or endogenous metabolites from biological matrices and chromatographic method development (HPLC/GC). Good verbal/written communication skills are essential.

RESPOND TO DEPT. MH-301-1S

**DRUG METABOLISM SCIENTIST II/III**

You will be responsible for analyzing biological samples from in vivo ADME, and pharmacology studies and clinical trials; and performing qualitative analysis of metabolites and generating data/reports.

**DEUTSCHES KREBSFORSCHUNGZENTRUM**

Professorship (C4) for Experimental Therapy of Malignant Tumors

The Deutsche Krebsforschungszentrum (German Cancer Research Center) will appoint a scientist jointly with the Faculty for Theoretical Medicine at the University of Heidelberg. The successful applicant will be head of a research division.

Applicants should have an outstanding scientific record in the field of development and/or application of anti-cancer drugs or biological response modifiers.

We anticipate that the successful applicant is able to develop new concepts in cancer therapy with the groups in this Center and in close collaboration with the surrounding hospitals.

Applicants should submit their curriculum vitae together with a list of publications and references by March 15, 1993 to Prof. Dr. H. zur Hausen, im Neuenheimer Feld 280, D-6900 Heidelberg, Germany

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**BIOANALYTICAL SCIENTISTS**

The successful candidates will be responsible for the development of bioanalytical assay methods for the quantitation of drugs and metabolites in biological fluids in support of clinical and preclinical studies. In addition, the successful individuals will analyze samples from routine clinical and preclinical studies, and operate and maintain state-of-the-art analytical instrumentation.

Requirements include a BS or MS in Pharmaceutical, Analytical or Biological Science with good interpersonal and communication skills and a minimum of 3 years experience in the following: chromatographic assay methods development using HPLC, GC and/or GC/MS, GLP compliance, assay validation, sample preparation techniques including derivatization and solid phase extraction, and computer software associated with lab automation.

RESPOND TO DEPT. MH-305-1S

Located in a beautiful area of western Connecticut, we offer a highly competitive compensation and benefits package, relocation assistance to those that qualify and a company matched retirement savings plan.

For consideration, send resume and salary history, indicating appropriate dept code, to: Boehringer Ingelheim Pharmaceuticals Inc., 800 Ridgebury Road, P.O. Box 368, Ridgefield, CT 06877-0368.

We are an equal opportunity employer m/f/d. As a progressive health care company, we have a nonsmoking environment.

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**THE AARON DIAMOND FOUNDATION**

**POSTDOCTORAL RESEARCH FELLOWSHIPS in the Biomedical and Social Sciences**

In 1993, The Aaron Diamond Foundation will support 25 postdoctoral research fellowships—to encourage excellence in research addressing the problems of AIDS and drug abuse and to increase the number of biomedical and social scientists working in New York City on these problems. The fellowship program is administered by the New York State Health Research Council, aided by a panel of distinguished scientists comprising the Fellowship Selection Committee.

The fellowship application is co-developed by the potential fellow and a mentor at a New York City institution. A list of nearly 200 established scientists interested in serving as mentors is included in the application materials; although applicants may apply with any qualified New York City scientist.

Support is provided for two years; a third fellowship year may be awarded upon subsequent application. The annual stipend is $36,000 in the first year; the mentor's institution receives $30,000 per year to cover costs associated with the fellow's research.

Preference is given to: (1) those with doctoral degrees awarded after 1986 (generally MDs must have completed their residency, while applicants with non-medical degrees may initiate the fellowship immediately after graduation); (2) applicants early in their careers, with three or fewer years of postdoctoral research experience; (3) those who are relocating to New York City; and (4) U.S. citizens or permanent residents. Women and members of minority groups are especially encouraged to apply.

APPLICATION DEADLINE: JULY 30, 1993

FURTHER INFORMATION:
Margaret Brown, Ph.D., Program Director
The Aaron Diamond Foundation Postdoctoral Research Fellowship Program
5 Penn Plaza, Room 308
New York, NY 10001
(212) 613-2525

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**Boehringer Ingelheim**

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**dkfz**

**DEUTSCHES KREBSFORSCHUNGZENTRUM**

Professorship (C4) for Experimental Therapy of Malignant Tumors

The Deutsche Krebsforschungszentrum (German Cancer Research Center) will appoint a scientist jointly with the Faculty for Theoretical Medicine at the University of Heidelberg. The successful applicant will be head of a research division.

Applicants should have an outstanding scientific record in the field of development and/or application of anti-cancer drugs or biological response modifiers.

We anticipate that the successful applicant is able to develop new concepts in cancer therapy with the groups in this Center and in close collaboration with the surrounding hospitals.

Applicants should submit their curriculum vitae together with a list of publications and references by March 15, 1993 to Prof. Dr. H. zur Hausen, im Neuenheimer Feld 280, D-6900 Heidelberg, Germany
DIRECTOR
UNIVERSITY OF CALIFORNIA INSTITUTE FOR MEXICO AND THE UNITED STATES

Nominations and applications are invited for the position of Director of the University of California Institute for Mexico and the United States (UC MEXUS). UC MEXUS is a formally recognized Multicampus Research Unit (MRU) of the University of California. The director is the chief academic and administrative officer of the program with full executive and financial responsibility for its administration. The Director reports to the President of the University of California at the Riverside campus, where the Institute is headquartered. The successful candidate will receive a tenured appointment in an academic department at Riverside appropriate to his or her qualifications.

Established in 1980, UC MEXUS’s mission is to develop and sustain a coordinated, University-wide approach to Mexico-related studies. UC MEXUS promotes education, research, public service, and other scholarly activities in four principal areas:

Mexico Studies (studies of Mexican history, society, politics, culture, arts, and economy);
United-States-Mexico Relations (contemporary and historical studies of the economic, political, demographic, and cultural interactions between Mexico and the United States);
Chicano Studies (the history, society, and culture of the Chicano population and its relations with Mexico and Mexican immigrants in the United States); and
Collaborative Research between U.S. and Mexican scientists in the social, physical, biological, engineering, health, agricultural, and marine sciences, as well as in the arts and humanities (as they relate to Mexico, U.S.-Mexican relations, and Mexican-origin populations in the United States).

Within this broad definition, UC MEXUS seeks to identify, encourage, seek financial support for, and publicize research programs which promise to contribute substantially to scholarship, to enhance University instruction, particularly in graduate and professional areas, and to make positive contributions to society, both in Mexico and the United States.

Candidates must demonstrate distinguished scholarly achievement in a field of interest to UC MEXUS and must be eligible for a tenured faculty appointment at the University of California, Riverside. In addition, candidates must possess proven administrative ability and experience in obtaining grants, raising funds, and developing programs. The ability to interact effectively with faculty and administrative personnel, fluency in both Spanish and English, and direct knowledge of Mexico and its institutions are also required.

Applicants should submit their letter and curriculum vitae to:
Chair, UC MEXUS Search Committee
Office of the Associate Vice President
Kaiser Center
University of California
300 Lakeside Drive, 18th Floor
Oakland, CA 94612-3500

To ensure consideration, applications must be received by March 1, 1993
The University of California is an Equal Opportunity, Affirmative Action Employer

POSITIONS OPEN
BIOLGIST/ENVIRONMENTAL SCIENCE EDUCATOR

The Biology Department, Middle Tennessee State University invites applications for a ten-month, ranking position. Position # 10300 (ASSISTANT PROFESSOR rank) beginning August 1993. Doctorate in biology, or environmental science is required. Successful applicant will teach courses in general biology and life science for teaching and research. Research and/or public service required. Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

Applications deadline February 22, 1993 or until position is filled. Send letter describing your qualifications and letters of reference to:
Dr. Patrice Doyle, Search Committee Chair, Box 173, MTUS, Murfreesboro, TN 37132.

DEPARTMENT OF PHARMACOLOGY
MEDITCAL COLLEGE OF OHIO

Applications and nominations are invited for an ASSISTANT, ASSOCIATE, or FULL PROFESSOR to join an established, research-oriented department with a long-standing record of strong extramural support. Priority will be given to candidates using modern techniques to study significant problems at the molecular and/or cellular level. Junior-level applicants should have at least 2 years of postdoctoral experience, and show superior promise for building an independent, extramurally funded research program. Senior-level applicants are expected to have a funded program and a solid history of productivity. Applications from women and underrepresented minorities are particularly invited. The college is an Equal Opportunity/Affirmative Action Employer. Applicants should send curriculum vitae, names of at least 3 references, and a description of current and future research to Dr. Howard C. Rosenberg, Faculty Search Committee, Department of Pharmacology, Medical College of Ohio, Toledo, OH 43669-9008.

ASSISTANT or ASSOCIATE PROFESSOR: Neuropharmacology or Toxicology. The Department of Pharmacology, Toxicology and Therapeutics at the University of Kansas Medical Center invites applications for a tenure-track position at either the Assistant or Associate Professor level. The applicant must have a Ph.D. or M.D. degree, with two or more years of postdoctoral experience. The successful candidate will be expected to establish an independent research program in neuropharmacology, molecular neurosciences related to pharmacology or toxicology, or contribute to the teaching of graduate and medical students. Affiliations with the Center for Environmental and Occupational Health and the McGowan Research Institute are possible. Curriculum vitae and the names of three references should be sent to: Dr. J. Enna, Department of Pharmacology, Toxicology and Therapeutics, University of Kansas Medical Center, Kansas City, KS 66110-7417. The University of Kansas is an Affirmative Action/Equal Opportunity employer.

FACULTY POSITION IN MICROBIOLOGY
North Carolina State University. Applications are being accepted for a tenure-track, research and teaching position at the ASSISTANT PROFESSOR level. The desired candidate will have research experience with the genetics, molecular biology or physiology of the archaeabacteria and will develop an independent basic research program in that area. Opportunities exist for consultation and interaction with faculty in other departments having applied projects in bioremediation, resource, and waste management. Participation in the development of a new lecture-laboratory course and student advising will be the responsibility of the appointee. Applicants must possess a Ph.D. degree with at least two years of relevant postdoctoral experience. Applicants should send curriculum vitae, a statement of research interest, and names, addresses, telephone numbers, and the names of three persons who may be contacted as references to: Dr. Eric Miller, Chairman, Microbiology Search Committee, Department of Microbiology and Immunology, North Carolina State University, Box 7615, Raleigh, NC 27695-7615. Closing date for the receipt of all materials is March 1, 1993. Incomplete or late applications will not be considered.

NATIONAL RESEARCH COUNCIL

Senior Program Officer
Breast Cancer

The National Research Council is seeking a Senior Program Officer for the Institute of Medicine’s Study on Research in Breast Cancer. Responsibilities include assisting in program conduct and planning; designing research methodology; overseeing data collection, analysis and interpretation; planning meetings and a public hearing; assisting in final report writing and public hearing testimony; and managing the final report review/publishing process. Requires a Ph.D. in a health research field, at least four years experience in cancer research and familiarity of general women’s health issues, excellent organization, written and oral communication skills; demonstrated capability in research, technical and/or policy analysis; and proficient supervision skills. Send resume to: IOM (JC/FO 3014), 2101 Constitution Avenue, N.W., Washington, DC 20418, EOE.

FACULTY POSITIONS IN MOLECULAR ONCOLOGY
St. Jude Children’s Research Hospital

Seeks qualified molecular biologists for its expanding biomedical research program. The newly established Experimental Oncology program has immediate openings for several faculty positions. M.D.'s and Ph.D.'s whose research focuses on the genes and proteins involved in cancer induction and progression are encouraged to apply. Preference will be given to molecular biologists who have recently completed postdoctoral training and have strong interests in molecular medicine. Applicants with extensive experience in cancer research will also be considered for positions at the associate and full-member levels. Successful applicants will work in a 240,000 square foot research center, completed in 1981, which houses all of the institute's scientific programs. Opportunities exist for interaction with specialists in Virology/Molecular Biology, Biochemistry, Immunology, Tumor Cell Biology, Pharmacology, Hematology/Oncology, and Infectious Diseases. St. Jude provides generous start-up funds, nationally competitive salaries and an excellent benefits package. A strong institutional commitment to the basic science faculty ensures stability in program development and continuity of research activities.

Applicants should submit a C.V., a letter summarizing their research accomplishments and goals, and the names of three references to:
Dr. A. Thompson, Chairman
Department of Experimental Oncology
St. Jude Children’s Research Hospital
332 South Lauderdale
Memphis, TN 38105 U.S.A.

AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER
From product research, to revolutionary products...

Miles Inc. is a leading chemical, health care and imaging technology company—a member of the Fortune 100 with one of the industry's most diverse and successful product lines. To help us ensure continued product quality, we are seeking a

**SENIOR RESEARCH SCIENTIST**

Incumbent will perform animal dosage toxicology studies, analyze results, develop new analytical procedures, upgrade data acquisition and processing capabilities and train subordinates. Qualified candidates must possess a PhD in Biochemistry, Pharmacology or Toxicology with 2-5 years experience in analytical chemistry. Proficiency with HPLC, GLC and automated data processing is also vital.

The selected professional will be based at our Elkhart, Indiana facility and receive an attractive salary and benefits package. For confidential consideration, please send your resume to: Ed Klimek, Sr. Personnel Representative, Dept. 406, Miles Inc., PO. Box 40, Elkhart, Indiana 46515.

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**ASSISTANT PROFESSOR**

**OF IMMUNOLOGY**

(Mtenure Track)

MEMORIAL UNIVERSITY OF NEWFOUNDLAND: Immunologist, Assistant Professor. Applications are invited for a tenure track position in the Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland. The applicant should have a Ph.D. degree with a proven research record in Immunology, preferably in Molecular Immunology, and with an interest in Autoimmunity. The applicant will be expected to attract extramural grant support and to collaborate with other members of the Immunology Group which currently consists of nine faculty members.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens or permanent residents of Canada. Memorial University is committed to the principles of employment equity and welcomes applications from all qualified candidates.

Please quote reference #IM-1 in all correspondence. Applications with a detailed curriculum vitae, names and addresses of three references, and a brief statement of research interests should be submitted by February 15, 1993 to: Dr. Ralph Sharp, Search Committee Chair, Box 214, Memorial University, St. John's, Newfoundland, Canada.

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**SENIOR SCIENTIST POSITIONS**

Beckman Instruments has immediate opportunities for two PhD senior scientist level positions in the Analytical Business Unit:

**Senior Scientist—Molecular Biology**

The qualified individual will develop chemistries, reagents and methods for automated DNA sequencing and contribute to the development of analytical instruments and strategic approaches for the molecular biology market place. This individual will also interpret and recommend new technologies relative to the analysis of DNA.

**Requirements:** Knowledge of DNA sequencing and familiarity with laboratory automated systems; good analytical skills, familiarity with laboratory techniques such as cloning and amplification; experience with CE, HPLC, and Spectrophotometer instruments; strong oral and written skills; PhD in molecular biology, biochemistry, or related area.

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Equal Opportunity Employer M/F/D
PLANT BIOLGISTS
NATIONAL TAIWAN UNIVERSITY

Facility positions will be available in 1993 in the Department of Botany, National Taiwan University, at the ASSOCIATE or FULL PROFESSOR level. Candidates with training in molecular genetics will be considered. It is not a prerequisite for application, but successful candidates must meet immigration requirements and be expected to teach in Mandarin. Send curriculum vitae and list of publications and letters of recommendation to: Professor Y. M. Chen, Chairman, Department of Botany, National University, Taipei, Taiwan, Republic of China. Review of applications will begin February 5, 1993.

Geneticist. ASSISTANT PROFESSOR for a tenure-track appointment to begin fall term 1993. Teaching responsibilities include courses in (a) genetics for biology majors, (b) human genetics, and (c) an advanced course in molecular genetics. Ph.D. required. Primary consideration given to individuals with a commitment to excellence in undergraduate teaching. Pursuit of funding to support a molecular genetics research program involving undergraduates expected. Send curriculum vitae, a brief statement of research goals, and three letters of recommendation by March 1, 1993 to: Dr. R. Lawrence Klitz, Genetics Search Committee, Department of Biological Sciences, State University of New York, P.O. Box 2000, Oneonta, NY 13820-0000. SUNY ONEONTA is an AA/EOE/ADA Employer and does not discriminate in employment or the provision of services on the basis of disability.

ENVIRONMENTAL CONSERVATION
LATIN AMERICA

The Nature Conservancy seeks DIRECTOR of Conservation Science and Stewardship to provide technical and administrative supervision of its Latin America Division's major national parks preservation program. This position is based in Arlington, Virginia with frequent travel to Latin America. Requirements include an advanced degree in the biological sciences, natural resource management or related field and at least 5 years of successful experience in Latin American or Caribbean protected areas management. In addition, ability to manage multilateral projects and work in cross-cultural situations with a variety of people and institutions. Spanish/English required; Portuguese desired. Applications should be received by February 15, 1993. Send resume and cover letter to: Paul Martin, The Nature Conservancy, Department AI, 1815 North Lynn Street, Arlington, VA 22209. Equal Opportunity Employer.

BOSTON UNIVERSITY MEDICAL CENTER
VICE-CHAIRMAN FOR RESEARCH

The Department of Medicine is reorganizing to expand and further integrate research and training programs at the School of Medicine and its principal hospitals (Boston City, University, Boston VA). The Department has 170 M.D. and Ph.D. faculty whose research spans areas from molecular biology to clinical trials. We are seeking a Vice-Chairman to develop new programs, foster interactive research, and expand research training. The Vice-Chairman should be a successful scientist, M.D. or Ph.D. with broad understanding of both basic and clinical research, and administrative leadership and management skills. The Vice-Chairman will have senior academic rank and facilities for continuation of a personal research program and/or clinical activity. Send curriculum vitae to: Dr. Norman L. Levinsky, Chairman of Medicine, Boston University Medical Center, 88 East Newton Street, Boston, MA 02118. Boston University Medical Center is an Equal Opportunity Employer.

FOREST BIOLGIST
Permanent FACULTY POSITION, liberal arts college in Blue Ridge Mountains. Requires Ph.D., demonstrated teaching skill. Teaching duties: General Biology, introductory courses, and other courses depending on expertise (e.g., GIS/Remote Sensing, Conservation, Soil Science, Plant Propagation, Environmental Policy). Salary: $56,000.00-59,000.00. Send letter of application, references to: Dr. Spencer A. McWilliams, Vice President for Academic Affairs, Warren Wilson College, Swannanoa, NC 28778-2099 by January 30, 1993. Minority and women applicants desired.


FACULTY POSITION
ANATOMY AND INTRODUCTORY BIOLOGY

The Department of Biology at Penn State invites applications for a fixed-term appointment, renewable annually for at least two years. We seek a person interested in teaching comparative anatomy, mammalian anatomy, and histology. Responsibilities include teaching Mammalogy (200 level) and Animal Form and Function (300 level) beginning in August, 1993. Applicants should have a Ph.D. and evidence of strong teaching ability. Experience in teaching undergraduate students—majors and non-majors—is desired. Send curriculum vitae, statement of teaching and research plans, and three letters of reference to: Dr. Linda Mazzon, Department of Biology, Box CA, 200 McBeth Hall, Lehigh University, Bethlehem, PA 18015. Receive applications on or before April 1, 1993.

PLANT ECOLOGIST

Applications are invited for a tenure-track FACULTY POSITION to be filled fall 1993. Applicants should be seeking a career at a teaching institution and should be prepared to teach a variety of courses in addition to courses in their area of expertise. An active research program is a strong requirement. Some M.D. level graduate students is also expected. Applicants must have a Ph.D. in Biological Sciences; postdoctoral experience is preferred. Applicants should send a letter of application (with curriculum vitae) and have three letters of reference forwarded to:

Dr. Michael I. Urich, Chairperson
Chemistry Department
Western Connecticut State University
Danbury, CT 06810

Screening will begin immediately and continue until position is filled. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION: BIOPHYSICAL/BIOCHEMICAL Ph.D. required (with strong background in Instrumental Analysis). Tenure-track for fall 1993. Rank and salary dependent upon qualifications. Excellence in teaching is emphasized and research strongly encouraged. Evidence of such must be submitted and also included in the three required letters of reference. Send complete curriculum vitae including transcripts and letters of reference to Dr. B. C. O. K. Johnson, Department of Chemistry, Western Connecticut State University, Danbury, CT 06810.

INORGANIC CHEMISTRY—AMHERST COLLEGE. A full-time tenured or tenure-track FACULTY POSITION is available for a Ph.D. inorganic chemist beginning in July, 1993. The rank for this position is open, although applications at the assistant professor level are preferred. The successful candidate will be expected to teach introductory chemistry as well as inorganic chemistry at the advanced undergraduate level, and will have the opportunity to participate in interdisciplinary teaching. She or he will also be expected to establish and develop a research program in which undergraduates can substantively participate. Applicants should submit detailed curriculum vitae, a description of their teaching and research interests and names of three references to: Dr. J. N. Kushick, Chairman, Department of Chemistry, Amherst College, Amherst, MA 01002, by February 1, 1993, and should arrange to have their letters of reference sent to the same address. Amherst College is an Affirmative Action/Equal Opportunity Employer and especially solicits applications from women, minority, and disabled candidates.

INSTRUCTOR, Physiology/Anatomy/Pathology, college level. Must have minimum of a Master's degree in related field. Send detailed letter of application available beginning January 4, 1993. Send letter of application and curriculum vitae to: Life Chiropractic College West, 6056 Via Barrett, San Lorenzo, CA 94580. Attention: Personnel Department.
Staff Position
In Immunology.

A tenure-track position is available for an individual to develop an independent research program as part of a team of investigators interested in lymphoid cell development at a molecular level and the nature of immunodeficiency disorders.

Applications are invited from scientists with a doctoral qualification or equivalent, and with outstanding skills relating to the assessment of the impact of biotechnology, especially as applied to developing countries, for the post of Executive Secretary, the Chief, full-time executive officer of the BAC. Applicants should have experience in evolving safety guidelines and also possess a knowledge of risk assessment procedures. This challenging position will involve the exercise of proven planning and management skills. The post is based in Stockholm. The salary and related benefits will be at a level commensurate with the proven level of experience and skills required for this post and, together with the period of appointment, is negotiable.

Applications, accompanied by a full curriculum vitae indicating the names of three persons to whom reference may be made, and indications of the salary expectation, should be sent by 29 January, 1993 to The Director, Stockholm Environment Institute, Box 2142, S-10314 Stockholm, Sweden, from whom further particulars are available.

The Stockholm Environment Institute is an international institute with its headquarters in Stockholm and centres in Boston (USA), York (UK) and Tallinn (Estonia). It carries out research on issues linking environment and development with the aim of elucidating policy options in this area. It has a staff of over 50.

National Institute Of Allergy
And Infectious Diseases

National Institutes Of Health
9000 Rockville Pike, Building 10, Room 11N228
Bethesda, MD 20892
Equal Opportunity Employer

SEI STOCKHOLM
ENVIRONMENT
INSTITUTE

International Institute for Environmental Technology and Management

Executive Secretary

BIOTECHNOLOGY ADVISORY COMMISSION

The Stockholm Environment Institute recently established a Biotechnology Advisory Commission (BAC) consisting of eminent international experts in the field of biotechnological applications and related environmental safety issues. The BAC is to advise on the potential risks and benefits that are expected to result from the introduction to a country of genetically modified organisms, taking into account evolving international codes of conduct.

Applications are invited from scientists with a doctoral qualification or equivalent, and with outstanding skills relating to the assessment of the impact of biotechnology, especially as applied to developing countries, for the post of Executive Secretary, the chief, full-time executive officer of the BAC. Applicants should have experience in evolving safety guidelines and also possess a knowledge of risk assessment procedures. This challenging position will involve the exercise of proven planning and management skills. The post is based in Stockholm. The salary and related benefits will be at a level commensurate with the proven level of experience and skills required for this post and, together with the period of appointment, is negotiable.

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Senior Occupational Toxicologist
Because Safety Is Critical.

Du Pont Merck employs the best professionals in the industry who work with the best technology. That's how we'll continue and reach our goal to be at the leading edge of science—bringing novel solutions to major unmet medical needs.

We currently have an exciting and challenging position for a scientist to perform occupational hazard assessments for inclusion in hazard communication documents (MSDS) and for establishment of exposure limits for materials in the workplace. In addition, you will monitor hazard studies, technically review hazard study reports, and perform determinations of toxicologic maximally acceptable concentrations of residuals in products.

The successful candidate will have a PhD in Pharmacology or Toxicology and 2-5 years of pharmaceutical and/or industrial toxicology experience, including experience in human risk assessment. An understanding of practical safety issues is necessary, as well as the willingness to review safety data to ensure accuracy and appropriateness.

We can offer the successful candidate a highly stimulating scientific environment, a competitive salary, and a comprehensive benefits package. For immediate consideration, please forward your resume, including salary history and requirements, to: Excalibur Human Resources, Dept. TOX-SCI, P.O. Box 2249, Princeton, NJ 08543. No phone calls please. An Equal Opportunity Employer M/F/H/V.

DU PONT M ERCK

THE DU PONT MERCK PHARMACEUTICAL COMPANY
Merging Strengths...Emerging Opportunities.
A POSTDOCTORAL POSITION is available to study the role of specific nuclear proteins in the responses of mammalian cells to ionizing radiation. The interests of our laboratory include investigations of the role of certain nuclear proteins in cell cycle checkpoints, the contribution of specific nuclear proteins to the regulation of DNA repair pathways, and the role of DNA matrices in the transcriptional regulation of genes involved in DNA repair. Potential candidates should have a strong background in molecular biology and experience in cell culture techniques. Please send CV and three references to: Dr. J. L. Ries, Department of Radiation Oncology, School of Medicine, Indiana University, School of Medicine, 300 N. University Blvd., Indianapolis, IN 46202.

POSTDOCTORAL POSITION available immediately to study the cellular events of trafficking of fluorescent-labeled phospholipids. Fluorescence microscopy and spectroscopy are combined with biochemical and genetic approaches to identify the proteins that regulate these processes. Model systems currently in use include S. cerevisiae and the rabbit reticulum brush border. Send curriculum vitae and names of three references to: J. Wyble Nichols, Ph.D., Department of Physiology, Emory University School of Medicine, Atlanta, GA 30322.

POSTDOCTORAL POSITIONS
A new research/training grant supported by the Flinn Foundation will commence January 1, 1993. Postdoctoral candidates are being recruited to participate in the research programs of T. E. Biscell, and E. E. Stelmach. Research will focus on motor control deficits in patients with Parkinson and cerebellar disorders, sensorimotor impairments in the elderly, and adaptive characteristics of motor coordination and motor learning. Send a letter of interest, curriculum vitae, and names, addresses and telephone numbers of three references to: George E. Derent, Ph.D., Director, Office of Grants, 1100 Boylston Avenue, Boston, MA 02215.

POSTDOCTORAL POSITION available to study mechanisms of mesenchymal cell migration through extracellular matrix. Previous experience with fluorescence microscopy, microinjection, and videointerferometry is essential. There will be an opportunity also to study epithelial-mesenchymal transformation in embryos and in cultured epithelial and mesenchymal cells using molecular biology methods. Send curriculum vitae to: Dr. Elizabeth Hay, Department of Anatomy and Cellular Biology, Harvard Medical School, 220 Longwood Avenue, Boston, MA 02115.

POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY. Full-time position available immediately to study the regulation and role of the fatty acid cytochrome P450 gene family in carcinogenesis, signal transduction, and human disease. Experience in molecular biology is necessary. Salary is competitive and fringe benefits include medical insurance and retirement. Submit curriculum vitae, letters of recommendation and research papers to: Office of Human Resources, c/o Dr. James P. Hendrick, Northeastern Ohio Universities College of Medicine, P.O. Box 95, Rootstown, OH 44272. An Equal Opportunity/Affirmative Action Employer.

INSECT MOLECULAR BIOLOGY
An NIH-funded POSTDOCTORAL POSITION is available immediately to study the molecular biology of polydnaviruses. The mechanisms through which polydnaviruses selectively infect insect cells and alter growth, development and immunity in a target insect will be investigated. Experience in molecular biology and/or protein biochemistry desirable. Send curriculum vitae and names of three references to: Dr. Bruce Webb, Department of Entomology, Rutgers University, New Brunswick, NJ 08903-0231. FAX: (908) 932-7229.


POSTDOCTORAL POSITION IN MOLECULAR VIROLOGY available immediately to study virology and virology-related phenomena in insect cells. The interest of our laboratory is in the biology of viruses that infect insects and other arthropods. Most of our work has focused on the biology of polydnaviruses and, more recently, on the biology of adenoviruses. We have particular interest in the biology of viruses that infect insect cells, the biology of tumor viruses, the biology of RNA viruses, and the biology of viruses that produce cell transformation. Please send CV and three references to: Dr. Jack Celander, Committee on Microbiology, University of Illinois, 407 South Goodwin Avenue, Room 101, Urbana, IL 61801.

POSTDOCTORAL POSITION available immediately to identify and characterize membrane proteins involved in infection and regulation of tight junctions by epithelial cells. Techniques to include labeling and/or crosslinking of membrane proteins, isoelectric focusing, polyacrylamide gel electrophoresis, and use of monoclonal antibodies to epithelial cell surface molecules. Some experience in molecular biology desirable. Send resume and names of three references to: Dr. Robert M. Cullen, Department of Biophysics, Box 10, Massachusetts General Hospital, Boston, MA 02114.

POSTDOCTORAL POSITION available to investigate the molecular, biochemical and physiological aspects of smooth muscle contraction. Studies include isolated contractile proteins, detergent and alpha-toxin permeabilized fibers, and intact tissues to examine Ca2+-dependent regulation of contraction and G-protein dependent signal transduction pathways. Experience in muscle research desirable but not necessary. Please send curriculum vitae and names, addresses, and telephone numbers of three references to: Dr. Robert S. Moreland, Bockus Research Institute, Graduate Hospital, 415 South 19th Street, Philadelphia, PA 19146.

AIDS RESEARCH TRAINING—Postdoctoral research training at Case Western Reserve University (CWRU) is available for qualified Ph.D. and M.D. applicants. Areas of research include: (1) Retroviruses, (2) Mycobacteria, and (3) Viral pathogenesis. Please send curriculum vitae, university transcripts, and names of three references to: Dr. Robert S. Moreland, Bockus Research Institute, Secretary, 1900 Euclid Avenue, Cleveland, OH 44106-4984. CWRU is an Equal Opportunity/Affirmative Action Employer. Applications are encouraged from women and minority candidates.

YALE UNIVERSITY SCHOOL OF MEDICINE
POSTDOCTORAL RESEARCH POSITIONS IN IMMUNOBIOLOGY
The section of Immunobiology headed by R. A. Flavell includes A. Bothwell, K. Bottomly, P. Cresswell, I. N. Creepe, A. Hayday, C. A. Janeway, R. J. Pavathas, J. S. Polfer, N. Rudde, D. Schatz, and B. Tingelaar. Postdoctoral positions in antigen processing, T and B cell development and gene regulation recognition, activation, effector function, and disease associated research. Send curriculum vitae, state current position, list of three references to: Dr. Robert S. Moreland, Bockus Research Institute, Secretary, 1900 Euclid Avenue, Cleveland, OH 44106-4984. CWRU is an Equal Opportunity/Affirmative Action Employer. Applications are encouraged from women and minority candidates.

POSTDOCTORAL POSITION available immediately for a molecular biologist or biochemist to study the assembly and function of the yeast (Saccharomyces cerevisiae) vacuole. Research will involve the use of genetic and biochemical techniques to identify and characterize novel splicing factors. Experience with yeast genetics, gene cloning, and protein purification is preferred. Send curriculum vitae and the names of three references to: Dr. Brian C. Rymond, T. H. Morgan School of Biological Sciences, University of Kentucky, Lexington, KY 40506-0225. Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study the molecular pathogenesis of influenza virus. The research involves the analysis of viral and host cell proteins involved in the pathogenesis of influenza. The candidate will receive training in state-of-the-art molecular and immunobiological techniques including in vivo retrovirus technology and in vitro cell culture. Experience in molecular biology is required. Send curriculum vitae and the names of three references to: Dr. Daniel C. Epstein, Department of Pathology, Yale University School of Medicine, 310 Cedar Street, P.O. Box 3333, New Haven, CT 06510. Yale University is an Equal Opportunity Employer.

POSTDOCTORAL POSITION in MOLECULAR VIROLOGY
A position is available to study the molecular pathogenesis of influenza virus. The research involves the analysis of viral and host cell proteins involved in the pathogenesis of influenza. The candidate will receive training in state-of-the-art molecular and immunobiological techniques including in vivo retrovirus technology and in vitro cell culture. Experience in molecular biology is required. Send curriculum vitae and the names of three references to: Dr. Daniel C. Epstein, Department of Pathology, Yale University School of Medicine, 310 Cedar Street, P.O. Box 3333, New Haven, CT 06510. Yale University is an Equal Opportunity Employer.
THE IMMUNE RESPONSE CORPORATION has a postdoctoral position available to study T cell immunoregulation in Autimmune Disease at our suburban San Diego R&D facility. Experience in cellular immunology and/or molecular biology is desired.

Interested candidates should forward their curriculum vitae to:

Chief Scientific Officer
The Immune Response Corporation
5935 Darwin Court
Carlsbad, CA 92008
Ref: Postdoctoral Fellow

EQUAL OPPORTUNITY EMPLOYER

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Wood Technologist

$A46,000 - $A50,000 + Superannuation

Division of Forest Products,
Melbourne, Victoria, Australia

The Division of Forest Products conducts research and development on the efficient use of wood resources, and on environmentally improved practices. Much of its work is carried out in collaboration with the forest products industry.

We are currently seeking an applied scientist/technologist with a sound knowledge of wood structure and its mechanical properties. Research experience in timber utilisation and a knowledge of the veneer and plywood industries is required.

The principle aim of the successful applicant will be to work on the value-added utilisation of Australian hardwoods and softwoods. A postgraduate degree in wood technology, together with a good working knowledge of the veneer and panel industry is essential.

This challenging position will require close liaison and collaboration with both divisional and industry personnel. Strong interpersonal and communicative skills are necessary.

Selection criteria and a duty statement may be obtained from:
Ms Maria Germano Ph: +613 542 2217 Fax: +613 543 6613.

Please send applications addressing the selection criteria and including details of your qualifications and experience and the names of two referees to: The Personnel Manager, CSIRO Division of Forest Products, Private Bag No 10, Clayton Victoria 3168, Australia by February 19th, 1993.

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BIOTECH '93

Biotechnology Job Fair
Sponsored by: The Association of Biotechnology Companies
Produced by: The Lendman Group
The nation's oldest and largest job fair producer

January 25, 1993
10 am - 2 pm & 3 pm - 7 pm

Cambridge Center Marriott
Two Cambridge Center
Corner of Broadway & Third
Cambridge, MA

Make every effort to attend biotechnology's biggest career event! A unique revolution has been underway which makes the job search process more efficient for job candidates and more effective for employers. With the introduction of Biotech '93, the job fair exclusively for biotechnology professionals, job applicants can interview decision makers for hundreds of positions nationwide at one time and in one place. You conduct an entire job search in one day saving you time, effort, and money. Don't pass up this opportunity!

Participating companies will include:

- Ariad Pharmaceuticals
- Atlantic Sciences
- Cambridge Biotech Corporation
- Creative
- Biomolecules, Inc.

...and many more!

All interviewing for hundreds of positions including:

- Postdoctoral fellows
- Scientists
- Chemical and Manufacturing Engineers
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- Positions in Distribution
- Quality Assurance
- Process Development and Formulation
- Toxicologists
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- Sr. Research Associates
- Research Associates
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- Sr. Scientist/Project Manager
- Clinical Data Associates
- Sr. Regulatory Associate
- Technical Support Associate
- Quality Control Manager
- Director, Data Management
- SAS Programmers
- Programmer/Analyst
- and many others!

If you can't attend in person, be sure to mail or fax your resume for distribution to all participating companies and receive The Participant's Guide to available company positions:

Special hotel rates available. Contact Diane Nunes:
(804) 473-2400

Employers:
Limited space available to recruit at Biotech '93. Call Fausto Molinet (603) 894-4139 or Ernie Lendman or Steve Campbell (804) 473-2400 for details.
Gladstone Institute of Cardiovascular Disease, University of California, San Francisco. In the laboratories of Thomas L. Lewis, Ph.D.: Research on apo B RNA editing and mutations of apo B that disrupt LDL receptor binding.

Jose A. Martinez, M.D.: The project will involve studies of the plasmalete proteins involved in adhesion of plasmaletes to the blood vessel wall. Mutagenesis to study the synthesis and ligand-binding functions of the plasmalete GPIb-IX complex.

Karl H. Weissgraber, Ph.D.: (two positions) (1) Studies on the effect of overexpression of human genes on lipoprotein metabolism in transgenic mice. (2) X-ray crystallography of apolipoprotein E variants and other proteins involved in lipoprotein metabolism. Prior experience in lipoprotein metabolism desired. Candidates should possess a Ph.D. in molecular biology or biochemistry. Competitive salary and benefits. Send curriculum vitae and names of three references to: Postdoctoral Recruitment/Human Resources: The Gladstone Institute of Cardiovascular Disease, University of California, San Francisco, F.O. Box 419100; San Francisco, CA 94141-9100. Equal Opportunity Employer.

POSTDOCTORAL POSITION immediately to study the pathomechanisms of drug-induced connective tissue pathology. Experience in cell biology and/or immunology is essential. Send curriculum vitae and three references to: Dr. Arthur F. Hefli, Department of Periodontology, University of Florida College of Dentistry, 1125 SW 15th Street, Gainesville, FL 32610. University of Florida is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION immediately to study molecular genetics of membrane transporters and receptors in the parasitic protozoan Leishmania. Research involves analysis of structure, function, membrane targeting, signal transduction, and developmentally regulated expression. Background in molecular biology or biochemistry desirable. Send curriculum vitae and names of three references to: Dr. Scott Landfear, Department of Microbiology and Immunology, the Oregon Health Sciences University, 3181 S.W. Sam Jackson Park Road, Portland, OR 97201. An Affirmative Action/Equal Opportunity Employer.

OPENINGS FOR SCIENTISTS

The Weizmann Institute of Science is now offering a limited number of temporary appointments to the position of Scientist. Candidates must have completed two years of post-doctoral work. Appointments will be made in all areas of scientific research at the Institute.

BIOLOGY PHYSICS CHEMISTRY MATHEMATICS BIOCHEMISTRY- SCIENCE TEACHING

Appointments are for a period of one year, however, they may be extended for a period not to exceed 8 years from receipt of Ph.D. degree (or equivalent). Successful appointees will be eligible for promotion to the position of Senior Scientist.

Financial remuneration for a Scientist is at the level of Lecturer in the relevant institution. In addition, a relocation stipend is provided. Application forms and additional information may be obtained from:

The Feinberg Graduate School
The Weizmann Institute of Science
Rehovot, 76100 Israel

Applications are reviewed twice each year: January 1 and May 15.

POSTDOCTORAL POSITION—Available immediately to study the role of cell adhesion molecules in human reproduction. Individual will participate in research involving the characterization of integrin expression in the female and reproductive tract. A background in molecular biology required and an interest in reproductive physiology preferred. Send curriculum vitae, a brief statement of research interest and the names of three references to: Bruce A. Lessey, M.D., Ph.D., Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology, University of Pennsylvania, Philadelphia, PA 19104.

POSTDOCTORAL FELLOWSHIPS: ENDOCRINE AND METABOLIC RESEARCH. Open position in the research program in molecular endocrinology and reproductive biology, serving as a focal point for NIH and WHO Research Centers. Research areas: regulation of inhibin/activin-related genes in gonad and ovary, and other specific genes in the testis; molecular basis of infertility; modulation of androgen receptor expression and tissue growth in penile and breast cancer; role of natriuretic peptide cascade in erectile dysfunction; and others. Ph.D.'s with a strong background in molecular biology are encouraged to apply. Salary: $25,000 per annum plus benefits immediately. R. S. Swedlow, M.D., Harbor-UCLA Medical Center, 1000 West Carson Street, Torrance, CA 90509. Telephone: (310) 222-1867.

POSTDOCTORAL FELLOW: Position available immediately in Department of Pathology. Involves production of cytokines with emphasis on studies to determine role and interaction of various cytokines in enhancement of immune response. Strong background in immunology/biochemistry of cytokines and interest in molecular biology are desired. Send curriculum vitae plus 3 references to: Dr. N. M. Kouttab, Department of Pathology, Roger Williams Medical Center, 825 Chalkstone Avenue, Providence, RI 02908.

POSTDOCTORAL FELLOWSHIPS: The Feinberg Graduate School of the Weizmann Institute of Science is now offering Postdoctoral Fellowships in the following fields of study.

BIOLGY PHYSICS CHEMISTRY BIOCHEMISTRY- SCIENCE BIOPHYSICS TEACHING

These Fellowships are intended for young scientists who have recently received a Ph.D. degree. The fellowship provides a 12-month stipend (with COL adjustments), a relocation allowance and airfare to Israel. If the fellowship is renewed for a second year, return airfare is provided. Application forms and additional information may be obtained from:

The Feinberg Graduate School
The Weizmann Institute of Science
Rehovot, 76100 Israel

Applications are reviewed twice each year: January 1 and May 15.

GRADUATE ASSISTANTSHIPS IN MOLECULAR BIOLOGY, BIOCHEMISTRY AND BIOPHYSICS. Several positions are available in the Department of Molecular Biology, Wesleyan University, Middletown, Connecticut. Departmental research interests emphasize regulation of gene expression in embryogenesis and development; heat-shock response and cellular response to iron metabolism; biophysics of protein-nucleic acid interactions; tissue differentiation and regulation of collagen gene expression; molecular genetics and regulation of protein secretion; DNA replication; structure and function of chromosomal proteins, yeast genes homologous to protein kinase oncogenes; mechanisms of action of thiamine and ascorbic acid; nuclear magnetic resonance spectroscopy and computer modeling. All students receive 12-month stipends, tuition remission, and health benefits and departmental allowance, if applicable. Opportunities to teach. Write: Director of Graduate Admissions, Department of Biological and Biochemistry, Wesleyan University, Middletown, CT 06409-0178 or call (203) 344-8544 Extension 2796.

The Department of Anesthesiology is recruiting an ASSISTANT IN RESEARCH who will provide technical assistance for experimental research. Must hold a baccalaureate degree in biological or medical sciences. Must have a minimum of one year of experience in anesthesiology research. Salary range is $18,000 to $35,000. Application deadline is January 28, 1993. This is a non-tenure-earning position. Please send letter, curriculum vitae, names of three references, and benefits and departmental allowance, if applicable. Opportunities to teach. Write: Director of Graduate Admissions, Department of Biological and Biochemistry, Wesleyan University, Middletown, CT 06409-0178 or call (203) 344-8544 Extension 2796.

POSTDOCTORAL RESEARCH ASSOCIATES: Recent Ph.D. experienced in molecular/cell biology and biochemistry to study (1) expression of PKC isozymes in differentiation and mitosis (mitotic arrest) of leukemia cells and in oncogenesis and pathophysiology of heart, (2) identification of new, functionally relevant PKC substrates, and (3) site-directed mutagenesis of PKC phosphophorylation sites in proteins such as troponin I and T. Send application to: Dr. J. F. Kuo, Department of Pharmacology, Emory University School of Medicine, Atlanta, GA 30322. Emory University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE POSITIONS

Postdoctoral/Research Associate Positions available immediately for study and training in cellular or molecular biology relating to gene expression. Preference will be given to applicants with Ph.D. and prior experience in microscale protein purification or functional analysis of transcription factors. Send applications to: David Stiles, Molecular and Cellular Section, School of Biological Sciences, Indiana University, Bloomington, IN 47405. An Equal Employment/Affirmative Action Employer.
PROVOST
University of Health Sciences
The Chicago Medical School
The University of Health Sciences/The Chicago Medical School invites nominations and applications for Provost. The Provost is the chief academic officer with responsibility for the development and administration of all academic and professional programs within the University, comprising The Chicago Medical School, the School of Graduate and Post-doctoral Studies, and the School of Related Health Sciences. The Provost works in close collaboration with the Executive Vice President and is directly responsible to the Board of Trustees.

The University is located in modern facilities in a pleasant suburban environment on the North Shore. Approximately 300 faculty, 200 graduate students, 30 postdoctoral trainees, 130 allied health students, and 600 medical students participate in the institution. In addition to the medical degree, the University offers masters' and doctoral degrees in a range of scientific fields and baccalaureate degrees in a variety of allied health specialties. The individual selected must have a demonstrably strong commitment to excellence in education, research, and clinical medicine. Experience in the development of effective clinical practice programs is essential. Additional qualifications include: an MD degree, a record of academic achievement, administrative leadership experience in medical education, strong management and interpersonal skills, and clinical experience with community and university hospitals or clinics.

Nominations and applications should be submitted to: Richard Hawkins, Ph.D., Chair, Search Committee for the Provost, University of Health Sciences/The Chicago Medical School, 5333 Green Bay Road, North Chicago, IL 60064.

University of Health Sciences/ The Chicago Medical School is an Equal Opportunity, Affirmative Action Employer.
POSITIONS OPEN

RESEARCH PROGRAM IN THE GENETICS OF COMMON DISEASES

The Division of Human Molecular Genetics at New York Medical College is seeking to co-investigators for a research program to study genetic susceptibility to cancer, psychiatric illness, diabetes mellitus, and other common diseases. Positions are available now for molecular biologists, epidemiologists, geneticists, clinicians, and others to participate in this established program. Candidates must have an outstanding research background. Current projects include cloning the axotax-telangiectasia gene and characterizing its expression; identifying the environmental factors that interact with the axotax-telangiectasia gene to produce cancer; and mapping and cloning the Wolfman syndrome gene; and characterizing specific genes implicated in psychiatric illness, alcoholism, obesity, or hypertension. Entry into new program areas will be determined by the interests of the faculty and trainees.

Inquiries to: Michael Swift, M.D., Director, Human Molecular Genetics, New York Medical College, 100 Grasslands Road, Elmsford, NY 10523, FAX: (914) 592-2275.

POSITIONS OPEN

POSTDOCTORAL RESEARCH SCIENTIST—MOLECULAR BIOLOGY OF HEMATOPOIESIS

Available January 1993 for 3 years or longer. The candidate will study gene expression during hematopoietic development and joint collaborative studies with local marrow and blood stem cell transplants and hematopoietic research scientists at Oregon Health Sciences University/VA Medical Center. Send curriculum vitae, copies of significant publications, and a list of 3 references to: Dr. Douglas C. Dooley, Director of Research, American Red Cross, P.O. Box 3200, Portland, OR 97208. The American Red Cross is an Equal Employment Opportunity Employer.

IMMUNOLOGIST

The Veterinary Infectious Disease Organization (VIDO), a research institute situated at the University of Saskatchewan, has a position in developing novel methods of controlling infectious diseases of animals. VIDO's philosophy is to develop multidisciplinary teams to focus on specific areas of research. We are presently recruiting individuals (preferably to Senior Scientists) to join a group investigating the role of cytokines in pathogenesis and disease modulation, and improving immunization protocols (adjunct positions).

Experience in molecular immunology, cellular immunology, and vaccine development as well as willingness to work as a team member are prerequisites. Depending on qualifications, the applicant could be appointed as the team leader.

Inquiries and applications should be directed to: Dr. Lorne A. Babik

Assoeiate Director (Research)  
Veterinary Infectious Disease Organization  
124 Veterinary Road  
SASKATOON, Saskatchewan, Canada  
S7N 0W0

MEDICAL DOSIMETRIST

For a hospital area clinic: Measurés and calculates radiation dose and develops optimum arrangement of radiation fields and exposures to treat patient by using prescription, X-rays showing area to be treated, and requirements for dose calculation. Selects beam energy, optimum multiple beam arrangement, beam modifying devices, and other factors, using computer, manuals, and guides. Develops several treatment arrangement treatments for selection by physician. Measures and calculates prescribed radiation dose using manual, guides, and computer. B.S. in Biological Sciences or Radiologic Technologies, and adequate computer skills. Radiation Oncology required. Will accept medical degree in lieu of B.S. Must have one year of experience as Medical Dosimetrist or Radiation Dosimetrist, including at least 6 months each of Dosimetry and use of computer treatment planning system. Forty hours per week 8:00 a.m. to 5:00 p.m., Monday to Friday. Salary $17.40 per hour. Must have proof of legal authority to work permanently in United States. Send résumé in duplicate (no calls) to: L. Ellison, JO# 1200956, Ohio Bureau of Employment Services, PO Box 1618, Columbus, OH 43216.

HUMAN MOLECULAR GENETICIST

The Marshfield Medical Research Foundation, a Division of the Marshfield Clinic, is accepting applications for a RESEARCH SCIENTIST position as part of an expansion of the Center for Medical Genetics. We are seeking an exceptional individual who will develop an outstanding, independent research program. Candidates with research interests in all areas of human molecular genetics are encouraged to apply. Candidates must possess a Ph.D. or M.D. degree and at least two years of postdoctoral fellowship training and at least one year of experience as researcher with extensive knowledge of numerical methods (finite difference techniques and applied mathematics) and experience in computer programming. Applicants should have a strong background in molecular genetics, with emphasis on human disease, molecular biology, molecular genetics, and genomics. Please send résumé and salary history to: Children's Hospital of Orange County, 455 South Main Street, Orange, CA 92668-3874. Attention: Personnel.

POSITIONS OPEN

U.S. NAVY MEDICAL SERVICE CORPS OFFICERS

The U.S. Navy has openings for Ph.D.-level research positions and active duty naval officers. The personnel selected will conduct basic and applied research on biochemical problems for the Navy. Applicants must be versatile, willing to travel, and able to obtain the necessary security clearances. They must be able to obtain the necessary security clearances. They must be U.S. citizens. Interested persons should contact: Capt. R. L. Hilderbrand, MSC, USN, OCDEP @ (808) 635-745, Pentagon, Washington, DC 20031-1518.

PHYSICIAN-SCIENTIST DEPARTMENT OF PSYCHIATRY

The Ann Arbor VA Medical Center and the University of Michigan Department of Psychiatry are offering an exciting opportunity for a Psychiatrist with a basic research background to develop a Psychology Laboratory. This position involves research in neuropsychology, or schizophrenia. The package includes a new renovated 1000 square foot, equipped wet laboratory and a 2-year salary for a new position. This position includes .75 FTE VA salary, .25 University salary, and a tenure-track position consistent with the applicant's credentials. The Ann Arbor VA and the University of Michigan are Equal Opportunity Employers. Please contact: Stanley Watson, M.D., Ph.D. (313) 763-3725 or send curriculum vitae to: Room 2060 MHTI, 205 Zina Pitcher Place, Ann Arbor, MI 48109-0720.

STAFF PHYSICIAN DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER, BOSTON

BEHAVIORAL NEUROSCIENCE SECTION HEAD BOSTON UNIVERSITY

The Department of Veterans Affairs Medical Center, Boston, and the Department of Neurology, Boston University School of Medicine seek applicants for the position of Staff Physician/Section Head, Behavioral Neuroscience. Duties include supervision of the research, clinical, and administrative functions of the center. Applicants should hold an M.D. or M.D./Ph.D. degree. Candidates should have significant research experience in behavioral neuroscience. Rank and salary will depend upon qualifications.

Submit curriculum vitae to: Search Committee Chair, Thomas R. Browne, M.D., Neurology Service, VA, 127, VA Medical Center, 50 South Huntington Avenue, Boston, MA 02130.

PROCESS ENGINEER

research engineer with broad responsibilities in (meth) acrylic and specialty monomer process development, scale-up and optimization. Plan, schedule, supervise, analyze and communicate results of multiple assignments. Design and data analysis utilizing applied statistical and mathematical modeling techniques. Identify and evaluate process modifications/alternatives to reduce waste generation, maximize byproduct formation, improve process efficiency, boost productivity, and lower manufacturing costs. Study product synthesis, characterize and evaluate polymer supported catalysts in production of (meth) acrylic monomers. Required: Ph.D. in Ph.D. in chemistry and at least 1 year of experience in advanced polymer chemistry and characterization. Experience in polymer physics, physical polymer science, polymer structure and morphology, with emphasis on polymer structures, determination, and characterization of polymer morphologies. Experience in design, construction, operation, and maintenance of laboratory equipment and with AS- PEM and SimulSolv. Forty hours per week; salary $55,425 per year. Resume or curriculum vitae to: Philadelphila Job Bank, 444 North 3rd Street, 3rd Floor, Philadelphia, PA 19123. J.O. #4489499.
Pharmacological Research

The ICI Pharmaceuticals Group, dedicated to the challenge of discovering and developing important new therapeutic agents, is seeking pharmacologists for the CNS and General Pharmacology drug discovery research groups at our suburban Wilmington, Delaware location.

CNS Pharmacology

BEHAVIORAL PHARMACOLOGIST — The successful candidate will interact in an exciting interdisciplinary environment towards the development of novel pharmacological agents for the treatment of neurological and psychiatric disorders. Qualified candidates must have a Ph.D. in Pharmacology, Neuroscience or related discipline with a minimum of two years' postdoctoral experience. Experience with behavioral and/or in vivo neurochemical models of cognitive dysfunction, depression, and psychosis is desirable. Excellent communication skills and the ability to work effectively in a team setting are required.

General Pharmacology

PHARMACOLOGIST — The successful candidate will be involved in ancillary pharmacology of compound screening. The position requires a BS in Biology or other related sciences and experience in techniques of oral and parenteral drug administration. Good written and oral communication skills are also required.

We offer an excellent compensation and comprehensive flexible benefits program and the opportunity for growth with one of the world's leading pharmaceutical companies.

For consideration, please submit resume c/v to: Melanie M. Lewis, Human Resources, ICI Pharmaceuticals Group, Concord Pike and New Murphy Road, Wilmington, DE 19897.

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PROGRAM OF EXCELLENCE IN MOLECULAR BIOLOGY OF THE HEART AND LUNG

Special Postdoctoral Positions

The University of Cincinnati Program of Excellence in Molecular Biology of the Heart and Lung, funded by the National Heart, Lung and Blood Institute of NIH, has as a goal the application of molecular genetic approaches to study heart and lung function. Postdoctoral positions will be sponsored by initial but will be encouraged to develop a research program separate from that of the sponsor and apply for independent funding during the second year.

The Program is open to Ph.D.s and M.D.s with training in molecular genetics who wish to apply their skills to significant problems of heart or lung or to individuals with strong backgrounds in heart and lung who wish to develop molecular genetic tools for continued study of these problems. We are particularly interested in recruiting minorities to the Program. Stipends begin at $28,000 per year with benefits. Openings are available in several of the laboratories listed below.

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**Na,K-ATPase gene regulation and structure-function studies including identification of the cardiac glycoside binding site using site specific mutagenesis.** Jerry B. Lingrel, Ph.D.

**Characterization of lung surfactant proteins and genes.** Jeffrey Whitsett, M.D.

**Collagen gene expression in the heart and lung.** Winston Kao, Ph.D.

**Structure-function relationships and genetic regulation of ion-transport proteins of heart and lung.** Gary Shull, Ph.D.

**Study of cardiac contractile proteins and growth and developmental control of muscle and pulmonary proteins.** Jeffrey Robbins, Ph.D.

**Transcriptional analysis of promoters expressed in the lung.** Donal Luse, Ph.D.

**Manipulating genes important in heart and lung development by insertion mutation and targeted modification in ES cells.** Steven Potter, Ph.D.

**Structure and function of Ca^{2+} channel proteins (heart, brain, vascular smooth muscle) and gene regulation; isolation of receptors for calcium antagonists.** Arnold Schwartz, Ph.D.

**Role of apolipoproteins in heart and lung development and in resistance to disease.** Judith Harmony, Ph.D.

**Targeted modification of genes important in cardiovascular development and disease.** Thomas Doetschman, Ph.D.

**The genetics of human cardiovascular disease.** Anil Menon, Ph.D.

**Applicants should submit a C.V. and the names of three references to Jerry B. Lingrel, Ph.D., Program Director, Program of Excellence in Molecular Biology, Department of Molecular Genetics, Biochemistry and Microbiology, University of Cincinnati College of Medicine, Cincinnati, Ohio 45267-0524.**

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**Instructor or Assistant Professor** full time, tenure-track positions for Fall, 1993. Stockton State College is an undergraduate, liberal arts and sciences college in the New Jersey Pine Barrens near Philadelphia, Atlantic City, and the New Jersey shore.

**Biology:** Expertise in neuroscience, animal physiology and animal behavior. Participation in introductory biology and general studies courses. Eight faculty and 250 majors are included in the Biology program.

**Chemistry:** Biochemistry: Expertise in modern biochemistry with an emphasis on laboratory work. Participation in introductory and organic chemistry and general studies courses. Instrumental/Experimental Chemistry: Expertise in instrumental chemistry and laboratory methods with an environmental chemistry emphasis strongly preferred. Participation in introductory chemistry and general studies courses. The Chemistry program includes eight faculty members and 50 majors and offers an ACS certified degree with a research requirement.

**Environmental Studies:** Pollution: Scientific expertise in such areas as ecosystem toxicology; air and water quality and environmental engineering, regulation, law, remediation and impact assessment. Participation in introductory environmental studies and general studies courses. The interdisciplinary Environmental Studies program includes about 300 majors and 10 faculty.

We are seeking individuals with spark, insight, and a commitment to undergraduate teaching and productive research with student participation. Ph.D. required for Assistant Professor ($30,312–$34,860) and strongly preferred; ABD required for Instructor ($24,937–$28,676). Salaries may be higher depending on qualifications, experiences and increases in the New Jersey Higher Education Compensation Plan. Send letter of application, resume, three letters of recommendation and evidence of completion or expected date of completion of Ph.D. to Dr. Barbara Byrne, Dean of Natural Sciences and Mathematics, Stockton State College, AA29, Pomona, NJ 08240. Stockton is an AA/EDE. Women and minorities are encouraged to apply. R302225

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**LUDWIG INSTITUTE SAO PAULO RESEARCH LUDWIG IN CANCER**

**ANNOUNCEMENT**

**10th ANNIVERSARY**

**MEETING**

**BASIC AND APPLIED CANCER RESEARCH**

April 1 - 3, 1993

**INTERNATIONAL SYMPOSIUM ON HUMAN PAPILLOMAVIRUS**

April 4 - 6, 1993

São Paulo - Brazil

Cancer Inheritance; Biochemistry of the Transformed Phenotype; Tumor Immunology and Metastases; Etiology, Diagnosis and Epidemiology; Transformation, Immune Responses and Epidemiology of H.P.V.

Speakers:


Registration and Abstract Deadline March 1st, 1993

Contact

Dr. Luisa L. Villa or Libeca M. Ward
Instituto Ludwig de Pesquisa sobre o Cáncer
r. Prof. Antonio Prudêncio #109, 4th floor
CEP 01509-010
Phone: (011)270-4932 Fax: (011)270-7001
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Please send nominations or applications (with names and addresses of references) by March 1, 1993 to: Search Committee, c/o Prof. Jacques Cohen, tel: (617) 736-2702, email: jce @ cs.brandeis.edu, Computer Science Department, Brandeis University, Ford Hall, Waltham, MA 02254.

Brandeis University is an equal opportunity/affirmative action employer. We particularly encourage applications from women and minorities.

Research Scientist
Biometrician/Statistician

$37,036 to $92,942*
Fishes and Oceans Canada
Centre for Resource Assessment and Survey Methodology, St. John's, Newfoundland

There is an immediate need for a versatile individual who can collaborate with fishery scientists and develop new models, tests and methods in support of the Department's fishery resource assessment mandate. The position involves both long-term and short-term research on a wide variety of topics. You will work alone and in collaboration with other scientists at the Northwest Atlantic Fishery Centre, and in other laboratories as part of a group with expertise in statistics, modeling, mathematics and population dynamics.

You must have a doctoral degree in statistics, applied mathematics or another appropriate quantitative science, or a lesser degree with evidence of research experience and productivity equivalent to that of a doctoral degree. You also require experience in conducting research in applied mathematics (statistics) and a strong theoretical background demonstrated by a significant record of publications in primary scientific literature. Proficiency in English is essential.

*The salary will be commensurate with your qualifications and experience.

Preference in appointment will be given to Canadian citizens.

Further information may be obtained by contacting Dr. John M. Hoenig, Centre Head, Resource Assessment and Survey Methodology, at (709) 772-2802.

Please forward your résumé and/or application form by January 29, 1993, quoting reference number S-92-31-7673-47JG-(G35), to: Public Service Commission of Canada, 66 Slater Street, Ottawa, Ontario K1A 0M7.

We are committed to Employment Equity.

MAMMALIAN PHYSIOLOGIST
ENVIRONMENTAL ZOOLOGIST

The Department of Biology at Widener University has openings for two TENURE-TRACK faculty positions at the rank of ASSISTANT PROFESSOR beginning September 1, 1993. Undergraduate teaching excellence is critical for retention and advancement. The Ph.D. degree is required, and post-doctoral experience is desirable. Duties include teaching advanced and introductory undergraduate courses and directing undergraduate students in research. The ability to work well in closely coordinated, team-taught courses is important.

1. Mammalian physiologist applicants should be interested in the roles environmental factors play in animal function. The principal teaching responsibility will be a graduate course in human physiology for physical therapy students. Expertise in comparative animal physiology, environmental toxicology, and histology is desirable.

2. Environmental zoologist applicants should be broadly trained animal biologists. Expertise in mammalian anatomy/physiology, zoology, comparative vertebrate anatomy, ecology, and environmental science is desirable.

The university is a comprehensive, private, non-denominational institution with an undergraduate/graduate enrollment of about 9,000 students. Please send a curriculum vitae, statement of teaching and research interests, and three letters of reference by February 5, 1993 to: Dr. Theodore J. O'Tay (mammalian physiologist) or Dr. Martin Simon (environmental zoologist), Search Committee Chair, Department of Biology, Widener University, One University Place, Chester, PA 19013-5792. Official transcripts are required at time of employment.

CANCER
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ANNOUNCEMENTS

ECOLOGICAL RESEARCH FELLOWSHIP

The Institute of Ecosystem Studies (IES) will award a fellowship for a three-month period during the summer of 1993. The successful candidate will hold the Ph.D., and will participate in an ecological research project as part of the program of IES at the Mary Flagler Cary Arboretum in Millbrook, New York. The award includes a summer stipend plus funds for research. Candidates should be interested in collaborating with a diverse group of ecologists and ecosystem scientists. Submit a letter of application, curriculum vitae and names of three referees by 1 April 1993 to: Dr. Peter M. Groffman, Institute of Ecosystem Studies, Box AB, Millbrook, NY 12545–0129. An Equal Opportunity Employer.

COURSES AND TRAINING

GRADUATE TRAINING IN VIRAL ONCOLOGY AND IMMUNOLOGY

Stipends are available for students pursuing a Ph.D. in molecular oncology or immunology, beginning September 1993. The principal interests of participating faculty are viral and cellular oncogenes, growth control, and molecular, cellular, and tumor immunology. Students will be supported chiefly by NIH programmatic training grant, requiring U.S. citizenship, or residency in the U.S. We strongly encourage applications from minority students. Limited funding is also available outside of this source. Information and application forms are available from: Dr. R. B. Carroll, Graduate Student Advisor, Department of Pathology, New York University Medical School, 550 First Avenue, New York, NY 10016. NYU is an Equal Opportunity Employer.

MEETINGS

Human Tissue Monitoring and Specimen Banking: Opportunities for Exposure Assessment, Risk Assessment, and Epidemiologic Research, March 30–April 1, 1993, Research Triangle Park, North Carolina, USA. This symposium will provide a state-of-the-art overview of human exposure assessment, biomonitoring techniques and advances in human tissue specimen banking; the application of these techniques; and future research needs in the areas of human exposure assessment, risk assessment, and environmental epidemiology. Register by telephone: 919-966-4032 or FAX: 919-966-6692. Sponsors: U.S. EPA and School of Public Health, The University of North Carolina at Chapel Hill.

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MOLECULAR BIOLOGIST: Ohio Wesleyan University, a selective private college of 1900 students, seeks applicants for a teaching position in Molecular Biology, beginning August, 1993. Term position of up to three years, with possibility of tenure-track after one or two years. Ph.D., eukaryotic molecular biologist preferred with facility in a variety of modern laboratory techniques, as evidenced by publication and/or teaching of undergraduates at an introductory and advanced level. Send letter of application, curriculum vitae, graduate transcripts, and three letters of recommendation by February 15, 1993 to: D. Radulescu, Associate Professor of Chemistry, Ohio Wesleyan University, Delaware, OH 43015. For further information, EMAIL: jmfreed@cc.owu.edu

OHWU is an Affirmative Action/Equal Opportunity Employer. Women and minorities strongly encouraged to apply.

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