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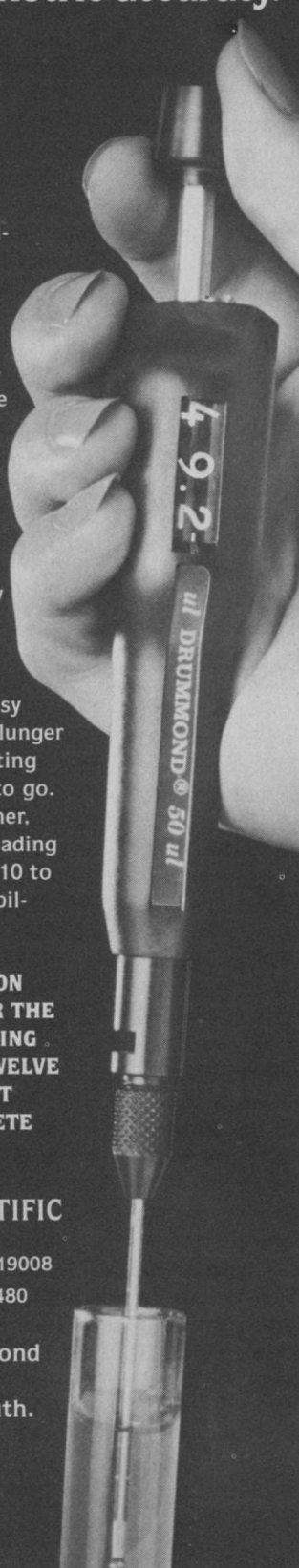
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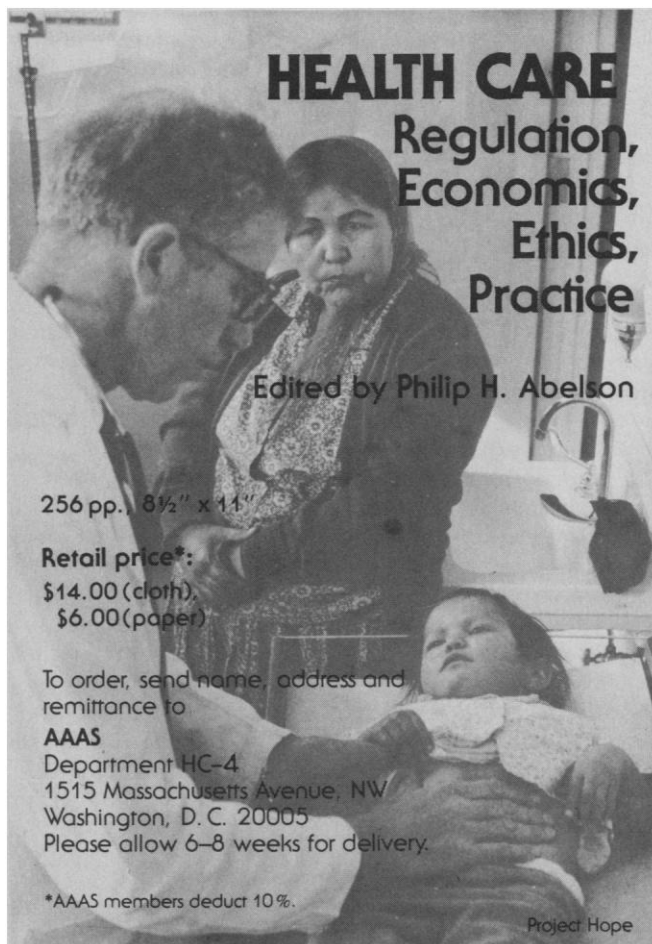
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# Personnel Placement

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## POSITIONS WANTED

**Anatomist-Cell Biologist.** Ph.D., 5 years of experience teaching gross anatomy, histology, and neuroanatomy to medical, dental, and paramedical students. Transmission, scanning, electron microscopy, electrophysiological experience. Seeks position with research team utilizing a correlative multidisciplinary approach to the study of neuroviral and neuroimmunological diseases or injuries. Prefers East Coast. Box 242, SCIENCE. X

**Human Cytogeneticist/Cell Biologist.** Ph.D. 1979. Experience in clinical and prenatal diagnosis, in cytogenetic and isozyme analysis of human tumors, and in nucleic acid biochemistry. Seeking position combining clinical and research capabilities. Publications. Box 243, SCIENCE. X

**Radiopharmacist.** M.S. Seeks hospital position—routine operation, teaching, and research. Relocation no problem. Box 244, SCIENCE. X

**Science Editor.** Medicine, chemistry specialist. Now senior level in industry. Magazine, book, public information, newspaper background. Box 236, SCIENCE. X

## POSITIONS OPEN

The Divisions of Oncology at Case Western Reserve University School of Medicine are recruiting an **ASSISTANT PROFESSOR IN ONCOLOGY RESEARCH** to be appointed jointly as an associate member in the Department of Biochemistry. The position requires a Ph.D. degree with at least 2 years of postdoctoral experience in protein biochemistry, preferably with experience in enzymology. Research interests in the Division of Oncology include direct research in folate biochemistry and microprotein oncology.

Send curriculum vitae and three letters of recommendation to: Dr. John D. Hines, Department of Medicine, Cleveland Metropolitan General Hospital, 3395 Scranton Road, Cleveland, Ohio 44109, telephone: 216-398-6000, extension 5196.

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## POSITIONS OPEN

### ACADEMIC COMPUTER CENTER DIRECTOR UNIVERSITY OF WASHINGTON Seattle, Washington

The University of Washington is a major research university enrolling about 35,000 students on a single 660-acre campus. The recognition of the research by the 3300 faculty members is reflected in the campus's consistent ranking among the top five colleges and universities in receipt of federal funding.

The Academic Computer Center currently has CDC Cyber Systems and is actively exploring expansion, including distributed computing, for both research and instruction. The director manages a computer service organization offering consulting and other forms of support to both research and instructional computer users.

The candidate must understand computing needs of faculty and students and have technical knowledge and successful management experience. A major emphasis is placed on planning and on the promotion of innovative computing exploiting the newest technological developments.

Salary and academic rank, if appropriate, depend upon qualifications and experience.

Applications close 15 October 1979. Send curriculum vitae to:

Dean Ronald Geballe  
Chairman, Search Committee for  
Academic Computer Center Director  
201 Administration Building, AG-10  
The Graduate School  
University of Washington  
Seattle, Washington 98195

*The University of Washington is an Equal Opportunity Employer.*

### AQUATIC MICROBIOLOGIST

The Chesapeake Biological Laboratory of the University of Maryland Center for Environmental and Estuarine Studies will fill a tenure-track faculty position in one of two areas: (i) viruses in estuarine/marine systems or (ii) estuarine/marine microbial ecology, particularly heterotrophic processes. We are seeking a full professor, but will consider applicants at the associate professor level and assistant professors with well-established research programs. The successful candidate will provide evidence of a strong research program and will be eager to participate in graduate education. A letter of application, curriculum vitae, and names of four references should be sent no later than 30 September 1979 to: Chairman, Search Committee, Chesapeake Biological Laboratory, Solomons, Maryland 20688.

### ASSISTANT PROFESSOR OF PLANT BIOLOGY

A well-equipped modern Department of Biological Sciences located outside Baltimore is seeking a plant biologist with postdoctoral experience, who has demonstrated an ability to initiate a vigorous research program and has a commitment to quality graduate and undergraduate teaching. Candidates should have a strong background in physiology and/or biochemistry of plant systems, specializing in areas such as morphogenesis, tissue culture, plant hormones, water relations, algology, or virology. Submit curriculum vitae, bibliography, names of suggested referees, and a description of research interests to: Dr. Thomas F. Roth, Chairman, Faculty Search Committee, Department of Biological Sciences, University of Maryland Baltimore County, Catonsville, Maryland 21228. *An Equal Opportunity/Affirmative Action Employer.*

### ASSOCIATE PROFESSOR—PHYSIOLOGY

Desire physiologist with gastrointestinal and/or cardiovascular background to be director of established and funded Radiology Research Laboratory. Previous experience with blood flow techniques and gastrointestinal physiology desirable. Each applicant should have a doctoral degree and be an established investigator with a demonstrated ability to develop an independently funded research program. Teaching responsibilities will include organization of seminars, supervision of graduate students, and establishment of postdoctoral training programs in physiology and radiology. Candidates should send curriculum vitae, a list of publications, and the names and addresses of three references (who will not be contacted without permission) by 1 October 1979 to: Dr. Robert I. White, Jr., Director, Cardiovascular Radiology, Russell H. Morgan Department of Radiology and Radiological Science, The Johns Hopkins University School of Medicine, Baltimore, Maryland 21205. *The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

**ASSISTANT PROFESSOR** applications are invited for a position in the Radiobiology Section of the Johns Hopkins Oncology Center, available autumn 1979. Applicants should have a doctorate and post-doctoral or equivalent experience. Preference will be given to applicants having research interests and experience quantifying the radiation response in vivo of experimental tumor systems and/or normal tissues. Previous research with in vitro assays of in vivo damage or with combination (radiation/drug/immune) therapy would be helpful. The successful applicant will be expected to develop an independent research program complementary to ongoing studies in molecular and cellular radiobiology, as well as contributing to the teaching of undergraduate and graduate students and medical residents. Applications, including complete curriculum vitae and names of at least three references, should be forwarded to: Dr. Ralph E. Durand, Johns Hopkins Oncology Center, 601 North Broadway, Baltimore, Maryland 21205, before 1 September 1979. *Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.*

### ASSISTANT OR ASSOCIATE PROFESSOR IN NEUROPATHOLOGY

The University of Miami-Jackson Memorial Medical Center is seeking a full-time faculty member to participate in diagnostic neuropathology, undergraduate and graduate teaching, and related research programs. There is an active AMA-approved training program. Starting date: October 1979. Send résumé and two letters of recommendation to:

Dr. Joseph C. Parker, Jr.  
Director, Section of Neuropathology  
Department of Pathology D-33  
University of Miami  
Jackson Memorial Medical Center  
P.O. Box 016960  
Miami, Florida 33101

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### ASSISTANT PROFESSOR OF PATHOLOGY

The candidate should be an academically trained pathologist. Must be Board-certified in anatomic pathology and have had experience in research and in teaching medical students and residents. Experience in diagnostic electron microscopy or other specialized field is highly desired. Please reply to:

Chairman, Pathology Department  
Temple University School of Medicine  
3400 North Broad Street  
Philadelphia, Pa. 19140

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### ASSISTANT RESEARCH PHYSICIST UNIVERSITY OF CALIFORNIA, SAN DIEGO Institute for Pure and Applied Physical Sciences

The opening is an experimental postdoctoral position in low-temperature solid-state physics involving searching for new materials as well as intermetallic compounds with high superconducting transition temperatures.

**Qualifications:** Good background in experimental superconductivity and in materials preparation and analysis, including arc melting and powder metallurgical synthesis techniques. Expertise in x-ray crystallography, low-temperature techniques, and applied metallurgy. Complete familiarity and extensive experience with ternary phase diagrams and corresponding ternary intermetallic compounds.

**Education:** Ph.D. in physics and advanced knowledge of inorganic chemistry. Salary range: \$17,500 to \$23,900.

Send inquiries to Institute of Pure and Applied Physical Sciences, Mail Code B-029, University of California, San Diego, Calif. 92093. Attention: B. E. Stewart. Only candidates with the above qualifications need apply. No replies will be accepted after 15 September 1979. *The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer.*

**BIOCHEMIST** with experience in handling and separation of membrane-associated components. Familiarity with immunological techniques is desirable. Will work with researchers interested in genitourinary tumors, and with individuals within the Immunobiology Research Center. Reply: Dr. Paul Lange, Department of Urology, Box 394, or Dr. Fritz Bach, Department of Laboratory Medicine and Pathology, Box 198, University of Minnesota Medical Center, Minneapolis, Minn. 55455.

## POSITIONS OPEN

### ASSISTANT CURATOR OF INVERTEBRATES

The Department of Invertebrate Zoology of the California Academy of Sciences anticipates hiring an entry-level assistant curator to its staff. The position is expected to be filled by 1 January 1980.

Candidates must have a Ph.D. in invertebrate zoology or equivalent. Experience must include active research in invertebrate zoology/systematics, expertise in at least one area of invertebrate systematics, and a broad, general knowledge of invertebrates. The candidate should be prepared to engage in active research, participate in a variety of curatorial and administrative duties, and be responsible for portions of the general collections as well as those taxa which his/her research involves.

Applications should include curriculum vitae and three references with addresses and telephone numbers. Closing date is 15 November 1979. All applications and inquiries should be sent to:

**Dr. Welton L. Lee, Chairman**  
Department of Invertebrate Zoology  
California Academy of Sciences  
Golden Gate Park  
San Francisco, Calif. 94118  
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### CHAIRPERSON DEPARTMENT OF PATHOLOGY

The University of Nebraska, College of Medicine, is conducting an active search for a chairperson of pathology. Applications are sought from Board-certified individuals with established credentials in research and with demonstrated leadership in education. The chairperson will direct the clinical and anatomic pathology service in the University Hospital. Committed research space to establish a vigorous research program is available. Interested applicants should submit curriculum vitae to: **Dr. Charles McLaughlin, Jr., M.D., Senior Consultant in Surgery, Office of the Dean, University of Nebraska, College of Medicine, 42nd Street and Dewey Avenue, Omaha, Nebraska 68105.** *The University is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

**BEHAVIORAL NEUROPHARMACOLOGIST or NEUROBIOLOGIST.** The Department of Psychology invites applications from qualified individuals for an appointment as senior assistant, associate, or full professor to start late August 1980. Requirements include appropriate training and experience in teaching and research, the latter demonstrated by scientific productivity in the areas of analysis of behavior, neurochemistry, neuroendocrinology, neuropharmacology, or psychopharmacology. Preference will be given to candidates with reasonably broad interests and skills within these areas. Proven ability to obtain research grant support for such work is essential. Applicants should send their curriculum vitae, a selection of representative reprints of their work, a brief description of their future research plans, and the names and addresses of three references by 16 November 1979 to: **Dr. Lewis R. Gollub, Department of Psychology, University of Maryland, College Park, Maryland 20742.** *The University of Maryland is an Equal Opportunity/Affirmative Action Employer. Applications from members of minority groups and from women are encouraged.*

### BIOCHEMIST OR CELL BIOLOGIST

We are looking for two imaginative scientists with interest and enthusiasm to study interaction of interferon with cell membranes. This project is funded by a 3-year grant from NIH and provides for two positions, one at a postdoctoral level (approximately \$13,000 per annum), the other at a lower level, which will pay somewhat less. Thus, persons with Ph.D., M.D., M.Sc., or equivalent training or experience will be considered. The college provides fringe benefits and the atmosphere in a diversified biochemistry department is stimulating and cordial. We recently moved into brand new and well-equipped facilities. Please send inquiries to:

**Dr. Helmut Ankel**  
Department of Biochemistry  
Medical College of Wisconsin  
P.O. Box 26509  
Milwaukee, Wisconsin 53226

## POSITIONS OPEN

The Department of Radiological Sciences invites applications for the position of **CHIEF OF NUCLEAR MEDICINE** at the University of California, Irvine Medical Center. This appointment will be at the associate professor or full professorial level.

Applicants must have expertise in clinical nuclear medicine administration, experience in the formulation and implementation of original research, and teaching at both graduate and undergraduate levels. Two resident positions in nuclear medicine are presently funded; the new chief will have the opportunity of designing and directing the residency training program in nuclear medicine. A major extension to the hospital is in construction and will necessitate planning and redesigning the nuclear medicine area.

*Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* If you are interested in this position please write to the address below, including curriculum vitae and an autobiographical letter.

**Harris S. Moyed, Ph.D., Acting Chair**  
Department of Radiological Sciences  
University of California, Irvine  
Irvine, California 92717

Closing date: 30 September 1979.

The Department of Radiological Sciences invites applications for a position as **NEURORADIOLOGIST** at the University of California, Irvine Medical Center. The appointment will be at the assistant or associate professor level.

Requirements include Board-certification in diagnostic radiology with completion of a fellowship, or equivalent experience, in neuroradiology. Preference will be given to candidates with training in pediatric neuroradiology and those whose bibliographies document original contributions to neuroradiology.

*Minorities and women are encouraged to apply.* Applications from qualified candidates should include curriculum vitae and should be directed to:

**Harris S. Moyed, Ph.D., Acting Chair**  
Department of Radiological Sciences  
University of California, Irvine  
Irvine, California 92717

Closing date: 30 September 1979.

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## EPIDEMIOLOGIST

An outstanding opportunity to take a major role in the leadership of environmental health research in interaction with an interdisciplinary team of chemists, toxicologists, physiologists and other health and environmental scientists. The Senior Scientists we seek with outstanding experience in experimental design and project implementation for research on disease etiology and pathology. Cancer related and/or epidemiological studies on effects of toxic substances are preferred. The qualified scientist will possess a Ph.D. and/or M.D. in Epidemiology or equivalent with a proven record of publications in highly refereed journals.

## IMMUNOLOGIST

This challenging position entails responsibility for developing, supervising, implementing and directing studies in immunology and protein chemistry. The successful candidate will possess five or more years experience in protein isolation and purification, cellular and subcellular biochemistry; tumorantigen and/or steroid metabolism; RIA, ELISA, isoelectric focusing and other immunologic techniques; in combination with a Ph.D. and publications in refereed journals.

## BIOCHEMIST/NUTRITIONIST

We seek a scientist with five or more years experience in the design and implementation of animal/human experiments in mechanisms of metabolism and/or disease etiology. This position will supervise the coordination and implementation of nutrition research. Publications in refereed journals necessary.

These positions are vital to the growth of our life sciences program, with each scientist developing and leading programs in health and environmental research.

We offer competitive compensation; excellent fringe benefits, relocation assistance and a location in one of America's lowest cost-of-living metropolitan areas.

For immediate consideration send resume and list of publications and complete salary history to Mr. Larry Brown:



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## POSITIONS OPEN

### BIostatistician-Epidemiologist

Assistant professorship offered to a candidate with Ph.D. or equivalent in biostatistics. Support based on long-term training grant and research funds in a medical school department with programs in occupational and environmental medicine.

Functions include: teaching medical students and residents introductory biostatistics, participation in development of experimental designs, and statistical and computer analyses in toxicology and epidemiology.

Experience in the above fields desirable. Applications will be accepted until the position is filled.

*Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.*

Send résumé and names of references to: **Hoda A. Guirgis, Ph.D., Associate Professor, Department of Community and Environmental Medicine, University of California, Irvine, Irvine, California 92717.**

Position available: **CARDIOVASCULAR PHYSIOLOGIST**. The primary appointment is in the Department of Medicine (Cardiology) as **assistant professor of medicine/physiology**. Candidates should have: (i) a Ph.D., (ii) a strong background of research in circulatory physiology (regulation of regional blood flow and vascular smooth muscle contraction in normal and disease states and its alterations by vasoactive drugs); and (iii) extensive experience working in a clinical department. The applicant must have the ability to carry on independent investigation and collaborate with clinical scientists. Applications should include curriculum vitae, short summary of research goals, and names of three professional persons acquainted with their work. Send applications for receipt by 1 November 1979 to: **Dr. Robert Zelis, Professor of Medicine and Chief, Division of Cardiology, The Pennsylvania State University College of Medicine, The Milton S. Hershey Medical Center, Hershey, Pennsylvania 17033; telephone 717-534-8407. An Affirmative Action/Equal Opportunity Employer.**

The Department of Psychology at the University of Pittsburgh is interested in hiring a **DEVELOPMENTAL PSYCHOLOGIST** at the rank of professor or possibly associate professor. The individual should have an established research record. Experience working with graduate students as well as post-doctoral students is desired. The individual's primary area of interest within developmental psychology is not specified. There is the possibility of affiliation with the Learning Research and Development Center, pending the individual's interests. Please send curriculum vitae and four letters of recommendation to either: **Dr. Mark Strauss or Dr. James F. Voss, Department of Psychology, University of Pittsburgh, Pittsburgh, Pa. 15260. The University of Pittsburgh is an Equal Opportunity Employer.**

### FACULTY POSITION

Baylor University, Department of Biology, invites applications for an appointment at the assistant or associate professor rank. Successful candidate must have competence in transmission and scanning electron microscopy. Teaching responsibilities include electron microscopy and at least one course in the candidates field of biological specialization. Teaching experience and an ongoing research program preferred. Send résumé, three letters of recommendation, and description of teaching interest to: **Chairman, Search Committee, Department of Biology, Baylor University, Waco, Texas 76703.**

### PROFESSOR AND CHAIRPERSON (Search Reopened)

Baylor University, Department of Biology, invites nominations and applications for appointment as chairperson. The Biology Department offers B.A., B.S., M.A., and M.S. degrees. The faculty of 14 represents a broad spectrum of biological expertise. Current enrollment is approximately 1400 undergraduate and 25 graduate students. Major responsibility involves providing administrative leadership in the further development of excellence in teaching and research, and candidate's background should reflect commitment to same. Whereas appointment is expected at the professorial level, exceptionally qualified individuals may be appointed at the associate professor level. Nominations and applications, including names of three references (for contact only in the case of finalists), should be sent to: **Chairman, Biology Chairperson Search, Department of Biology, Baylor University, Waco, Texas 76703.**

## MICROBIOLOGIST

The Upjohn Company's veterinary Therapeutics area is seeking an individual with a Ph.D. in Microbiology and a DVM degree, or a Ph.D. with extensive training in infectious animal diseases. In this position, the incumbent will plan and conduct lead evaluation research to develop new antibiotics for animals; conduct a laboratory antibiotic screening program and develop and improve animal disease models for use in drug evaluation studies. Candidates must have a minimum of two years relevant post doctoral research in antibiotics and/or infectious diseases.

Kalamazoo is a medium-sized, southwestern Michigan community with local colleges, a moderate cost of living, an attractive housing market, progressive school systems and easy access to a good mix of cultural/recreational options.

Send resume in confidence to:

Kent S. Morgan  
The Upjohn Company  
7171 Portage Road  
Kalamazoo, MI 49001

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## PRESIDENT, DESERT RESEARCH INSTITUTE

Applications and nominations are invited by the Board of Regents, University of Nevada System, for the position of President of the Desert Research Institute.

This autonomous, statewide division of the University System conducts research programs in Atmospheric Sciences, Water Resources, Energy Systems, Social Sciences and Bioresources, funded by both governmental and private sources. Established in 1959, the Institute has a current annual budget of about six million dollars and a faculty of 90 professionals. There is a close association between institute research and University graduate programs. The President reports directly to the Board of Regents, with a position equivalent to the Presidents of the two University campuses. The present incumbent is retiring.

Qualifications include demonstrated leadership abilities, a doctoral degree, a background in scientific research, a distinguished record of intellectual achievement, a broad background in the funding, conduct and management of research, and proven effectiveness in the areas of governmental, university and community relations.

Applications will be accepted until October 1, 1979. The position will be filled at the convenience of the candidate, but no later than July 1, 1980.

To apply, or for further information, contact:

**Presidential Search Committee  
Desert Research Institute  
University of Nevada System  
P.O. Box 60220  
Reno, Nevada 89506**

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## CHIEF, EPIDEMIOLOGY BRANCH ROCKY MOUNTAIN LABORATORY, HAMILTON, MONTANA

National Institutes of Health, National Institute of Allergy and Infectious Diseases, is recruiting for the position of Chief of the Epidemiology Branch at the Rocky Mountain Laboratory (RML) facilities in Hamilton, Montana.

This branch, which is administratively equivalent to a laboratory in the NIH system, has been recently established at RML to provide a major emphasis in the epidemiology of infectious and allergic diseases, in concert with the two other newly established laboratories there. The branch is now staffed by approximately eighteen professional and technical personnel. The position is tenured and additional resources will be provided to the laboratory chief to conduct research of his or her choosing within the mission and goals of the epidemiology branch.

Applicants must have an M.D., D.O., D.V.M. or equivalent in a biomedical science. Additionally, they should have had experience in infectious disease epidemiology, established recognition in biomedical research, and proven capabilities and experience in leadership and guidance of other scientists with related research interests.

This position may be filled via the U.S. Public Health Service Commissioned Corps or the career Civil Service. Civil Service salary is \$40,009 to \$47,500. (The individual selected may be eligible for an annual bonus of up to \$7,000-\$10,000 under the Federal Physicians Comparability Allowance Act of 1978).

Interested applicants should submit a curriculum vitae, bibliography and three references to: **Kenneth W. Sell, M.D., Ph.D., Scientific Director, National Institute of Allergy and Infectious Diseases, NATIONAL INSTITUTES OF HEALTH, Public Health Service, 9000 Rockville Pike, Building 5, Room 139, Bethesda, Maryland 20205 or call (301) 496-2144. An Equal Opportunity Employer.**

## NATIONAL INSTITUTES OF HEALTH

Technische Hogeschool Eindhoven

The Board of Governors of the Eindhoven University of Technology, Eindhoven, The Netherlands wishes to announce a vacancy for an

## ORDINARY PROFESSOR OF PHYSICS

in the Solid State Physics Group in the DEPARTMENT OF PHYSICS.

The appointee shall be expected to supervise research on surface physics of solids, and participate in the teaching activities of the department.

—In addition to a share in teaching general physics to first and second-year students, his task will involve lecturing on surface physics to senior undergraduates. He will furthermore be expected to give guidance to work of senior students finishing their courses and graduate students proceeding to a doctorate.

—He will stimulate and supervise research in the field of surface physics, particularly the development of technological physics of thin layers on semiconductor surfaces. Research on solar cells already done within the group can be used as a basis for further work in the field.

—The professor appointed will be expected to build up his research work to a considerable extent in co-operation with the existing staff and the equipment available.

—He may also be required to take part in administrative activities.

Letters of application, together with a detailed curriculum vitae and list of publications should be addressed to the Chairman of the Appointment Committee: Dr. H.M. Gijsman, Afdeling der Technische Natuurkunde, Postbus 513, 5600 MB Eindhoven, The Netherlands, from whom information can also be obtained by telephone (tel. 040-474212. Private: 040-115172).

Applications are invited before 30th September, 1979.



Those wishing to draw the committee's attention to potential candidates are kindly requested to communicate with the Chairman of the Appointment Committee.

### POSITIONS OPEN

**ELECTRON MICROSCOPY TECHNICIAN** to help supervise a two transmission and one scanning electron microscope facility. Duties include microscope operation and maintenance, training, sample preparation, and photographic work. B.S. or M.S. in biology desirable. Prior experience with electron microscopes essential. Salary: \$12,000 to \$14,400. Immediate starting date. Send curriculum vitae and three letters of recommendation to: **Dr. Judy D. Hall, Department of Biological Sciences, State University of New York, Binghamton, New York 13901.** *Equal Opportunity/Affirmative Action Employer.*

#### ENVIRONMENTAL/ORGANIC CHEMIST

Position for research investigator in chemistry to study the physical-chemical behavior of organics in the environment. Experience in gas chromatography, radiochemical tracer, and organic sorption techniques desirable. Submit résumé to:

**Dr. Clifford P. Rice**  
Great Lakes Research Division  
University of Michigan  
2200 Bonisteel Boulevard  
Ann Arbor, Mich. 48109

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#### EXPERIMENTAL ZOOLOGIST

Southern Methodist University announces the establishment of the James Trustee Professorship in Biology. This tenure-track position, at the **ASSISTANT PROFESSOR** level, is endowed and will provide perquisites and research support for program development for a maximum term of 5 years. The successful candidate should be prepared to (i) teach graduate and undergraduate courses, including undergraduate introductory ecology, and (ii) conduct research in **COMPARATIVE PHYSIOLOGY** or **PHYSIOLOGICAL ECOLOGY** of terrestrial or freshwater animals. There is a preference for an individual trained in invertebrate zoology. The Ph.D. degree is required; postdoctoral experience is desirable. Closing date for applications is 1 November 1979 with date of appointment to be 27 August 1980. Submit nominations or applications to:

**Dr. Venita Allison, Chairman**  
Department of Biology  
Southern Methodist University  
Dallas, Texas 75275

Applications should include curriculum vitae with description of academic background and other experience indicating areas of teaching competence, a statement of research goals, and three letters of reference sent directly to the chairman of the department. *Southern Methodist University is an Affirmative Action/Equal Opportunity Employer.*

The Department of Biological Sciences at Stanford University is seeking qualified applicants for a **FACULTY POSITION**, probably at the nontenured level, in the general area of **ORGANISMAL BIOLOGY**. Candidates are expected to have significant research accomplishments. Duties will include participation in both graduate and undergraduate teaching as well as developing an active research program in animal behavior, animal physiology, or neurobiology. Whereas we are searching primarily at the nontenured level, consideration may be given to truly outstanding senior candidates as well. Nominations or curriculum vitae should include the names of three references and should be sent to: **Allan M. Campbell, Search Committee Chairperson, Department of Biological Sciences, Stanford University, Stanford, California 94305.** To be considered, material should reach Stanford by 15 October 1979.

*Stanford University is an Equal Opportunity/Affirmative Action Employer.*

#### NEUROPSYCHOPHARMACOLOGISTS

The Alcohol Research Center of The Salk Institute, under a training grant from the National Institute of Alcoholism and Alcohol Abuse, has positions available for postdoctoral training in interdisciplinary methods of molecular, cellular, and behavioral neuropharmacology. Applicants are invited to submit curriculum vitae, letters of support, and statements of specific interest areas for training periods of 1 to 2 years, beginning 1 September 1979, and lasting until 30 June 1982. Applications should be sent to: **Dr. Floyd E. Bloom, The Salk Institute, P.O. Box 85800, San Diego, Calif. 92138.** *The Salk Institute is an Equal Opportunity/Affirmative Action Employer.*



## SENIOR MICROBIOLOGIST

MRI, a leader in health environmental research is expanding the focus of major program areas. An outstanding creative scientist is sought to take the lead in the development of experimental programs in cell biology, both independently and in conjunction with interdisciplinary team. The successful candidate will possess supervisory skills, Ph.D. in Microbiology or equivalent, five or more years experience with bacterial pathogens, mammalian and other cell tissue culture techniques. A proven record of accomplishments in experimental design, proposal and scientific writing, publications in highly refereed journals and program supervision are required.

Interested applicants should send resume with complete salary history to, Mr. Larry Brown:

**MIDWEST RESEARCH  
INSTITUTE**  
425 Volker Boulevard  
Kansas City, MO 64110

Equal Opportunity Employer

## POST DOCTORAL RESEARCH FELLOWSHIPS

The National Institute of Allergy and Infectious Diseases is recruiting for two positions which are available immediately:

**LIPID BIOCHEMIST** to join an ongoing cell biology-biochemistry program concerning cell surface membranes. Research to involve analytical characterization and identification of lipid constituents present in cell surface membranes isolated from protozoan parasites.

**BIOCHEMIST/CELL BIOLOGIST** with demonstrated ability to analyze and isolate membrane proteins that are in limited quantities in order to determine their function and immunogenicity.

Requisite are Ph.D. in biochemistry, pharmacology, microbiology, cell biology or allied area, and research experience in preparative and analytical -TLC, -GLC, and mass spectroscopy of lipids. Previous experience in membrane spin labeling techniques also desirable. No parasitology experience required but offers the candidate an opportunity to enter protozoal research in a field of great importance to tropical health.

These positions will be filled at the Staff Fellow level (\$15,120 to \$25,000) depending upon qualifications and experience.

Please send resume, reprints and, or preprints of publications, and names of three references by September 21, 1979 to: Post-doctoral Search Committee, Laboratory of Parasitic Diseases, Building 5, Room 114, National Institute of Allergy and Infectious Diseases, NATIONAL INSTITUTES OF HEALTH, Public Health Service, Bethesda, Maryland 20205. An Equal Opportunity Employer.

**NATIONAL INSTITUTES OF HEALTH**

# Geophysicist/Engineering Geologist & Atmospheric Scientist

Argonne National Laboratory will offer stimulating challenges to scientists with records of accomplishment in the areas listed below. Selected candidates can also expect fully commensurate compensation package and solid potential for professional recognition and career growth.

## Geophysicist/Engineering Geologist

Position of exceptional interest for a Geophysicist or Engineering Geologist who can contribute to critical studies focusing on the discovery, exploitation, and utilization of energy resources.

Primary responsibility will be to provide technical and administrative leadership in solving wide-ranging geophysical or geotechnological problems—including the disposal of hazardous products of energy conversion technologies.

Position requires a Ph.D. or equivalent, ten years of experience in applied geophysics or engineering geology—including at least 3 years in an administrative or managerial position—and strong communication skills. Write Box 4196.

## Atmospheric Scientist

Provide an increasing level of management support in the development of innovative methodologies—with Argonne. Involvement will span air quality analysis of near, intermediate, and far term energy supply and demand projections; comparative analysis of alternative energy technologies; data base development; and evaluation of federal air quality policies and legislation.

Position requires Ph.D or equivalent and at least 5 years of technical experience in the characterization of atmospheric residuals—preferably related to energy production facilities. Other essentials include a knowledge of atmospheric dispersion models and their application . . . regulatory requirements for existing and new point sources . . . and socio-economic issues affecting the energy planning process. Write Box 7701.

Send resume including salary history to:  
Mr. Walter McFall, (appropriate box #),  
Argonne National Laboratory,  
9700 So. Cass Avenue, Argonne, IL 60439



**ARGONNE  
NATIONAL LABORATORY**

An Equal Opportunity Employer, m/f

## POSITIONS OPEN

### FACULTY POSITION, ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACOLOGY, UNIVERSITY OF CONNECTICUT HEALTH CENTER.

The Department of Pharmacology of the University of Connecticut Health Center, Farmington, invites applications from qualified individuals for a position at the level of assistant professor. The position is for a person with a chemistry background and a strong knowledge of biochemistry and biophysics. Some teaching experience is necessary. Research experience on the mechanism of action of electron transfer enzymes of drug oxidation preferred, but other areas of biochemical pharmacology/toxicology research will be considered.

The Department of Pharmacology is a growing department and consists of ten active faculty researchers. The environment is conducive to good research, and start-up money is available.

Applications should contain curriculum vitae, list of publications, and professional experience as well as the names of three references. These should be submitted to: **Dr. John B. Schenkman, Professor and Head, Department of Pharmacology, University of Connecticut Health Center, Farmington, Conn. 06032.** *The University of Connecticut is an Equal Opportunity/Affirmative Action Employer.*

### FACULTY AND DEAN POSITIONS

**THE AMERICAN UNIVERSITY OF THE CARIBBEAN** School of Medicine, located on the island of Montserrat in the West Indies, has the following faculty and dean openings:

#### FACULTY OPENINGS

Openings in the areas of physiology, pathology, anatomy, biochemistry, microbiology, psychology, pharmacology, physical diagnosis, and preventive medicine. Ph.D. or M.D. required.

#### DEAN OF CLINICAL STUDIES

Will be stationed in Florida and supervise the clinical studies in hospitals throughout the world. M.D. with professional or administrative experience required.

Please send résumé to:

**American University of the Caribbean  
Mount St. Joseph, Ohio 45051  
Telephone: 513-244-4821**

**INORGANIC CHEMIST and PHYSICAL CHEMIST:** Ph.D., tenure-track assistant professorships, August 1980. Develop high-quality research program. Curriculum vitae, including publications list, detailed account of future research interests, three letters of recommendation, and copies of graduate/undergraduate transcripts, should be sent by 15 October to: **Professor Gordon A. Gallup (Physical) or Professor T. Adrian George (Inorganic), Department of Chemistry, The University of Nebraska-Lincoln, Lincoln, Nebraska 68588.** *Affirmative Action/Equal Opportunity Employer.*

**INSTRUCTOR—EAST TENNESSEE STATE UNIVERSITY, COLLEGE OF MEDICINE, DEPARTMENT OF PHARMACOLOGY.** Ph.D. with background in medicinal chemistry/mass spectroscopy to assume responsibility as gas chromatography/mass spectrometry operator in clinical pharmacology-toxicology laboratory. Appointee will be expected to participate in the instruction of medical and graduate students. Send résumé and three reference letters to: **Ernest A. Daigneault, Ph.D., Chairman, Department of Pharmacology, East Tennessee State University, College of Medicine, P.O. Box 19,810A, Johnson City, Tennessee 37601.**

*East Tennessee State University is an Equal Opportunity/Affirmative Action Employer, M/F.*

**MOLECULAR BIOLOGY OF CANCER CELLS.** Postdoctoral research associate position available now (\$12,500, plus benefits) for full-time research on hepatoma and liver ferritins. Requires training and laboratory experience in protein chemistry. Send curriculum vitae, summary of thesis research, reprints, and three references to: **Dr. William H. Masover, Room G-619, COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY, New Jersey Medical School, 100 Bergen Street, Newark, N.J. 07103.** *Equal Opportunity/Affirmative Action Employer, M/F.*

## POSITIONS OPEN

### HEAD, DEPARTMENT OF OCEANOGRAPHY TEXAS A & M UNIVERSITY

The College of Geosciences of Texas A & M University is searching for a head for its Department of Oceanography. Applications are sought from persons with superior records of teaching and research who have demonstrated leadership and administrative abilities. Applicants must be able to qualify for the rank of professor on the academic faculty of the university.

The department offers M.S. and Ph.D. degrees with specializations in biological, chemical, geological/geophysical, and physical oceanography. It has 32 academic faculty and 112 graduate students. Facilities include approximately 63,000 square feet of office, classroom, and laboratory space in a 15-story Oceanography and Meteorology Building on the College Station campus; storage and laboratory space at a nearby research annex; office, shop, and dock facilities at Moody College, Galveston, Texas; the R/V *Gyre*, 174-foot oceangoing research vessel; the R/V *La Mer*, a 38-foot shelf and coastal research boat; and the DRV *Diaphus*, a two-man research submersible. Annual levels of support are now about \$1.1 million from the state of Texas and \$4.5 million from federal grants and contracts.

*Texas A & M University is an Affirmative Action/Equal Opportunity Employer.*

Applicants should provide curriculum vitae, a list of publications, a statement of teaching and research interests, and three letters of recommendations. Apply to:

**Dean Earl Cook  
College of Geosciences  
Texas A & M University  
College Station, Texas 77843  
Telephone: 713-845-3651**

### PHARMACOLOGIST

Indiana University School of Medicine has a faculty position available after 1 January 1980. Assistant or associate professor to teach the pharmacology course to second-year medical students beginning fall 1980. Responsibilities also include establishing a productive research program. Excellent facilities to support research are available at the Evansville Center. Opportunities exist for collaborative projects. Teaching and postdoctoral experience desirable. Send curriculum vitae and names of three references by 1 October 1979 to:

**Dr. G. Tunnicliff, Chairman  
Pharmacology Search Committee  
Evansville Center for Medical Education  
Indiana University School of Medicine  
8600 University Boulevard  
Evansville, Indiana 47712**

*An Equal Opportunity/Affirmative Action Employer*

**PHARMACOLOGIST.** Position available in the Department of Basic Sciences, Peoria School of Medicine, one of the four clinical schools within the University of Illinois College of Medicine. Applicants must have a Ph.D. in pharmacology and experience beyond the doctor's degree. Duties will include instructing medical and associated health sciences students and conducting an independent research program. Must have demonstrated potential for research. Salary to be commensurate with experience and qualifications, with academic rank of assistant professor. Starting date as soon as possible. Send application and three letters of reference to: **Dr. F. J. Grundbacher, Department of Basic Sciences, Peoria School of Medicine, 123 S.W. Glendale Avenue, Peoria, Illinois 61605.** *The University of Illinois is an Affirmative Action/Equal Opportunity Employer and encourages applications from members of minority groups and women.*

### PHYSIOLOGY FACULTY POSITION WEST VIRGINIA UNIVERSITY SCHOOL OF MEDICINE

Tenure-track position available January 1980. Appointment at assistant professor level preferred, but associate professor also possible. Candidates must have postdoctoral research experience and be able to develop strong independent research program. Responsibilities include teaching of graduate, medical, and other health science students. Deadline for receipt of all application materials is 15 October 1979. Send curriculum vitae, brief description of research interests, and three letters of reference to: **Dr. George A. Hedge, Professor and Chairman, Department of Physiology, West Virginia University Medical Center, Morgantown, West Virginia 26506.** *West Virginia University is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

**FACULTY POSITION—ASSISTANT PROFESSOR.** Experience in animal virology. Required to teach medical microbiology and virology to medical and graduate students and to maintain a vigorous research program. Salary dependent on experience and qualifications. Send curriculum vitae and three recommendations by 15 October 1979 to: **Chairman, Search Committee, Department of Microbiology, The Milton S. Hershey Medical Center, The Pennsylvania State University, Hershey, Pennsylvania 17033.** *An Equal Opportunity/Affirmative Action Employer.*

### HEAD, DEPARTMENT OF BIOCHEMISTRY

The University of Arizona invites applications and nominations for the position of head of the Department of Biochemistry. This department encompasses the biochemistry activities of the Colleges of Liberal Arts, Agriculture, and Medicine. The appointee will be expected to have an active personal research program and to provide administrative leadership in the teaching, research, and interdepartmental efforts of the Department of Biochemistry at the undergraduate, graduate, and medical school levels. Curriculum vitae should be sent no later than 1 October 1979 to: **Rubin Bressler, M.D., Chairman, Biochemistry Search Committee, Room 6334, Arizona Health Sciences Center, Tucson, Arizona 85724.** *The University of Arizona is an Equal Opportunity/Affirmative Action Employer.*

**PHYSIOLOGIST.** Associate professor in biology. Ph.D. or equivalent required. Nine-month, tenure-track position. Candidates must have broad training in medical physiology; will teach medical physiology and undergraduate and graduate biology courses. Candidates will have a joint appointment in the School of Medicine. Successful candidate must be experienced teacher and researcher. Position available winter semester 1979. Send curriculum vitae and three letters of reference by 30 September 1979 to: **Physiology Screening Committee, Biology Department, University of Missouri, 5100 Rockhill Road, Kansas City, Missouri 64110.** *The University is an Equal Opportunity Employer.* This position was previously advertised in the 16 February 1979 issue of *Science*.

**POSTDOCTORAL ASSOCIATE** beginning 1 October 1979. Photosynthesis and  $N_2$  fixation research on the *Azolla-Anabaena* association correlated with its development and interaction of the partners. Send curriculum vitae and three letters of recommendation to: **G. A. Peters, C. F. Kettering Research Laboratory, Yellow Springs, Ohio 45387.**

**POSTDOCTORAL POSITION** in biochemistry available immediately. To study glycoprotein and glycosaminoglycan structure and the effect of aging in human brain tissue. Stipend: \$12,000. For information, telephone: 314-644-8844 or 644-8789. Send résumé and three references to: **Eric G. Brunngraber, Ph.D., Missouri Institute of Psychiatry, University of Missouri-Columbia, School of Medicine, 5400 Arsenal Street, St. Louis, Missouri 63139.**

*Equal Opportunity Employer*

**POSTDOCTORAL POSITION** available 1 October. Research dealing with sporulation-associated lytic enzymes of *Clostridium perfringens*. Previous experience in protein purification and characterization necessary. Salary: \$11,000 to \$12,000. Send résumé plus names of two references to: **Dr. Ronald Labhe, Department of Food Science and Nutrition, University of Massachusetts, Amherst, Mass. 01003.** *University of Massachusetts is an Equal Opportunity/Affirmative Action Employer.*

Two **POSTDOCTORAL POSITIONS** available immediately to participate in basic research on DNA replication. Experience in SV40 (or related) required; familiarity with basic molecular biological techniques desirable. Salary: \$15,000 to \$16,000. Appointment for 1 year, renewable. Send curriculum vitae to:

**Dr. Liebe F. Cavallieri  
Sloan-Kettering Institute  
Walker Laboratory  
Rye, N.Y. 10580**

**POSTDOCTORAL POSITION.** Neurophysiologist to study biophysics of crustacean pacemaker and burst-generating neurons and integration in small neural systems. Voltage clamping experience highly desirable. Start 1 January 1980, for 20 months; possible extension. Send résumé and have two supporting letters sent by 1 November to: **Ian Cooke, Bekey Laboratory of Neurobiology, University of Hawaii, 1993 East-West Road, Honolulu, Hawaii 96822; telephone: 808-948-8001.**

**MICHIGAN STATE UNIVERSITY  
COLLEGE OF OSTEOPATHIC MEDICINE  
ASSISTANT DEAN  
FOR CURRICULUM**

The College of Osteopathic Medicine, a state-supported osteopathic medical school, seeks candidates for a leadership position in curriculum development and implementation. The assistant dean will be charged with providing leadership to continuing the college's commitment to excellence in medical education for a presently well managed program with a reputation for innovative education. Reporting to the associate dean for academic affairs, the assistant dean is administratively responsible for educational support services, implementation of basic science and clinical instruction including budgetary preparation and management, and liaison with academic departments. The assistant dean is also responsible for the management of faculty, coordinators, and staff personnel assigned to all interdisciplinary academic programs.

Candidates must have a doctoral degree, with training and/or experience in medical education and administration. Teaching experience in a basic science or clinical discipline of medicine and experience in curriculum development and management are desirable. Candidates should possess academic and professional credentials that would allow an academic appointment at or above the assistant professor level.

Salary is negotiable. Preferred date of appointment is 1 January 1980; nominations or applications for the position, including curriculum vitae and the names of three individuals well acquainted with candidate's work, should be submitted before 15 September 1979 to:

**Chairperson of Search Committee  
for Assistant Dean for Curriculum  
Michigan State University  
College of Osteopathic Medicine  
309 East Fee Hall  
East Lansing, Michigan 48824**

*Michigan State University is an Equal Opportunity/Affirmative Action Employer.*

Career opportunities are currently available in the Research Department of our Pharmaceuticals Division for talented professionals. The level of appointment is determined by qualifications and experience.

## **Cardiovascular Pharmacology**

These positions in Antihypertensive or Cardiac Disease Drug Research require a Ph.D. in Pharmacology or Physiology and at least 2 years post-doctoral experience in cardiovascular pharmacology.

## **Degenerative Vascular Disease**

Requires Ph.D. in appropriate discipline and at least 5 years relevant experience. Will have involvement with multi-disciplinary team whose research is aimed at the development of drugs of value to thrombosis and arteriosclerosis.

## **Toxicology**

We need a Toxicologist who has Ph.D. or DVM with at least 3 years experience in conducting drug safety evaluation studies. Must be able to design study protocols and evaluate clinical laboratory test results as well as possess the ability to write toxicology and pathology reports.

Based at our Central New Jersey facility, all openings offer a generous compensation package including comprehensive benefits, high visibility and recognition.

Please forward your resume specifying area of expertise and including salary history and requirements, in complete confidence to: Mr. C.R. Grupe, The Pharmaceuticals Division of CIBA-GEIGY Corporation, 556 Morris Avenue, Summit, New Jersey 07901. An equal opportunity employer m/f.

# **CIBA—GEIGY**

## **STAFF BIOCHEMIST**

**Some of the most satisfying aspects of working in R&D at Merck: Seeing a project you've worked on become a product. Knowing the drugs you've helped develop will help people.**

If this type of professional satisfaction is compatible with your career goals, consider participating in research programs involving membrane receptor and carbohydrate metabolism studies (both *in vivo* and *in vitro*) at Merck.

Ideal candidate should possess BS/MS in Biochemistry (or equivalent) and minimum 1-3 years solid research experience in utilizing latest biochemical techniques (e.g. column chromatography, spectrophotometry, scintillation counting, electrophoresis). Experience with small laboratory animals and with cell culture or isolation and study of intact cells very desirable.

We can offer excellent salary and outstanding fringe benefits program including educational assistance. Send resume to Robert L. O'Connor, Manager, Placement & Employment,



### **MERCK & CO., INC.**

P.O. Box 2000, Rahway, NJ 07065

An equal opportunity employer m/f

## **CHEMIST/GENETICIST/ MOLECULAR BIOLOGIST**

The National Institute of Environmental Health Sciences, National Institutes of Health, Public Health Service invites applications for a position under the PHS Service Fellowship Program in the Chemical Genetics Group, Laboratory of Animal Genetics, Intramural Program. The molecular characterization of mammalian genetic mutations at the levels of DNA and protein sequences and the development of *in vitro* mammalian cell testing system for screening environmental mutagens and carcinogens are major research objectives of the Chemical Genetics Group. The incumbent will have primary responsibility for the research projects on messenger RNA isolation and *in vitro* translation, and structural analysis of normal and mutant genes (DNA) and/or gene products (proteins) in mammalian systems. The position requires a Ph.D. degree or the equivalent and postdoctoral experience in genetics, biochemistry or molecular biology. The initial appointment will be made for two years with possible extensions. Salary range \$15,120 to \$30,198 per annum, depending on qualifications. Letters of application with curriculum vitae, bibliography, and names and address of three references should be mailed by September 14, 1979, to:

**Chief, Laboratory of Animal Genetics  
NATIONAL INSTITUTE OF  
ENVIRONMENTAL HEALTH SCIENCES  
P.O. Box 12233  
Research Triangle Park, NC 27709  
An Equal Opportunity Employer**



# INVITATIONS TO NOMINATIONS

## For the

# KUWAIT FOUNDATION

## FOR THE ADVANCEMENT

# OF SCIENCES

## Annual Prizes

The KFAS prizes were institutionalized to recognize distinguished accomplishments in the Arts, Humanities and Sciences. KFAS prizes are awarded annually in the following categories:

- A. Basic Science
- B. Applied Sciences
- C. Arabic and Islamic Culture
- D. Arts and Letters
- E. Social and Economic Sciences

The prizes for 1979 will be awarded in the following fields:

- A. Chemistry
- B. Energy
- C. History of Arabic Medicine
- D. Contemporary Dramatic movement in the Arab World.
- E. The role of Petroleum in Development.

### Background:

- I. Nominations to these prizes are accepted from Academic and Scientific Centers, Learned Societies, past recipients of the prizes and peers of the nominees. No nominations are accepted from political entities.
- II. The selection of the special topics for each prize and of the prize winners are recommended to KFAS Board of Directors by the KFAS Prize Council, an autonomous body of distinguished scientists.
- III. Two prizes are awarded in each category, a prize to recognize the output of a distinguished Arab, and a prize to recognize the output of a distinguished Kuwaiti.
- IV. Each prize consists of a cash sum of KD. 5,000, (Dollars 13,000) A gold medal and a certificate of recognition.

Nomination, including a complete curriculum vitae and an updated list of publications of the candidate should be addressed before September 15, 1979 to:

**The Prize Council**  
**Kuwait Foundation for the Advancement of Sciences**  
**P.O. Box 25263, Safat,**  
**Kuwait.**

### POSITIONS OPEN

#### GENERAL EDUCATION NATURAL SCIENCE MICHIGAN STATE UNIVERSITY

Assistant professor. Two tenure-line positions to teach general education natural science courses. Salary: \$14,000 to \$15,000; appointment effective 1 January 1980. Also one temporary 1-year assistant professor position, at \$12,500, for 1 September 1979 through 31 August 1980. All require Ph.D., with experience in teaching general education natural science for nonscience majors, emphasizing nature of science, science and society interactions, and so forth. Joint appointments with traditional departments possible for tenure-line positions. Send résumé with three references for us to contact to: **Dr. Richard J. Seltin, Chairman, Department of Natural Science, Michigan State University, East Lansing, Mich. 48824.**

**IMMUNOLOGIST-IMMUNOCHEMIST, IMMUNOGENETICIST**—A 8a full-time faculty position at the level of assistant professor. Applicants should have postdoctoral experience in their field and be capable of developing an independent research program. Duties include participation in teaching immunology to medical and graduate students. Send curriculum vitae and names of three references to: **Dr. Gerald D. Shockman, Chairman, Department of Microbiology and Immunology, Temple University School of Medicine, Philadelphia, Pa. 19140. An Equal Opportunity/Affirmative Action Employer.**

#### POMOLOGIST/PLANT PHYSIOLOGIST POSITION

Tenure-track position in the Department of Pomology, University of California, Davis, at the assistant or associate pomologist level. The position involves research with fractional extension and teaching responsibilities. A Ph.D. in some area of plant science is required and experience with tree fruit crops desired. Appointee will be stationed at the Kearney Horticultural Field Station in the center of a large, diversified fruit-growing area. The appointee will be expected to initiate imaginative research leading to improved production efficiency of deciduous fruit trees.

Applicants should submit curriculum vitae with list and reprints of pertinent publications, thesis summary, undergraduate and graduate transcripts, and the names and addresses of three references to: **Dr. S. A. Weinbaum, Search Committee Chairman, Pomology Department, University of California, Davis, Calif. 95616. Closing date: 15 November 1979.**

*The University of California is an Equal Opportunity/Affirmative Action Employer and invites applications from all qualified individuals.*

Immediate opening for a **POSTDOCTORAL ASSOCIATE** to pursue research on control mechanism of *E. coli* alkaline phosphatase. Experience in technologies of in vitro protein synthesis and in vitro recombinant DNA is desirable. One year with possible extension. **Dr. A. Torriani, Department of Biology, 56-743, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, Mass. 02936.**

**POSTDOCTORAL POSITION.** A postdoctoral position is available immediately to work on various aspects of regulation and control of metabolism in bacteria. This involves study of gene-enzyme interactions, gene expression, isolation and characterization of regulatory elements. Background desirable in bacterial genetics, enzymology, protein and nucleic acid biochemistry. Send curriculum vitae and references to: **Dr. J. S. Gots, Department of Microbiology, School of Medicine, University of Pennsylvania, Philadelphia, Pa. 19104. An Equal Opportunity Employer.**

**POSTDOCTORAL RESEARCH NEUROPHYSIOLOGIST** for electrophysiological investigations related to learning in mammalian brain. Prior experience with single neuron recording and programming of laboratory computer preferred. Send curriculum vitae and detailed résumé of neurophysiological training and research to: **Dr. Norman M. Weinberger, Department of Psychobiology, University of California, Irvine, Calif. 92717. The University of California is an Equal Opportunity/Affirmative Action Employer and invites applications from all qualified individuals.**

**RESEARCH ASSISTANT PROFESSORSHIP** to collaborate in biochemical studies on the regulation of  $N_2$  fixation in photosynthetic bacteria. This position is available immediately and is for a minimum of 3 years with a salary of \$13,500 to \$16,500 per year. Send curriculum vitae and names of two references to: **Dr. Duane C. Yoch, Department of Biology, University of South Carolina, Columbia, S.C. 29208.**

## SENIOR SCIENTIST Drug Metabolism

E.R. Squibb & Sons, Inc., a leader in the pharmaceutical industry, is currently seeking a Sr. Scientist professional to be responsible for the development of chemical and radiochemical drug assays, the analysis of biological samples for drug and metabolites, and the design, implementation, and reporting of drug disposition studies.

Ideally, the candidate we seek will hold a Ph.D. in Organic Chemistry or Biochemistry plus 1-3 years related experience. In addition, the individual we select will have a basic understanding of organic chemical reactions and a familiarity with analytical separations. Excellent written and oral communications are also essential.

We offer a liberal salary and benefits program and invite interested candidates to submit a C.V., in strict confidence, to:



Mr. Joseph R. Convery  
**E.R. SQUIBB & SONS, INC.**  
Department BM, P.O. Box 4000  
Princeton, New Jersey 08540

**SQUIBB** An Equal Opportunity Employer, M/F.

## UNIVERSITY OF NEW BRUNSWICK FACULTY OF FORESTRY CHAIR IN FOREST TREE IMPROVEMENT

Through the generosity of a group of New Brunswick forest industries, funds have been provided to create and support a new Chair in Forest Tree Improvement in the Department of Forest Resources.

Applications are invited from highly qualified and experienced forest scientists. The incumbent will be expected to initiate and develop a program of teaching, research, and collaboration with industry in the area of tree breeding and genetics as applied to forest tree improvement, stand improvement, and long-term enhancement of wood quality.

It is expected that the appointment will be made at a senior level. Appropriate technical support and facilities will be provided. The appointment will be made as soon as a suitable candidate can be located.

Applications or enquiries should be directed to:

Dr. A. J. Kayll, Chairman  
Department of Forest Resources  
University of New Brunswick  
P.O. Box 4400  
Fredericton, New Brunswick  
Canada E3B 5A3



UNIVERSITY OF NEW BRUNSWICK

## HEALTH SCIENTIST ADMINISTRATOR

### Division of Heart and Vascular Diseases

The National Heart, Lung, and Blood Institute is seeking applicants for the position of Health Scientist Administrator, GS-15 (Starting at \$38,160). The individual selected will serve as Chief of the Cardiac Functions Branch, which is responsible for planning and administering a program of basic and applied research, primarily nonclinical, in the areas of cardiac and circulatory structure and function. Its scope encompasses all forms of cardiac and peripheral vascular disease, exclusive of hypertension and the etiology of atherosclerosis. The staff is involved chiefly in the management of regular and program project grants.

Applicants should have a Ph.D. (or the qualitative equivalent) in a relevant field, extensive postdoctoral cardiovascular research experience, and at least one year of experience in research program administration. The position to be filled is in the career Civil Service. Those interested in being considered for this position should submit a completed Standard Form 171, Personal Qualifications Statement, along with a Curriculum Vitae and Bibliography, to the NHLBI Personnel Office, NATIONAL INSTITUTES OF HEALTH, Public Health Service, 9000 Rockville Pike, Bethesda, Maryland 20205. For additional information, please call (301) 496-6477 and ask for Mr. Lowengart. Applications will be accepted until September 28, 1979. An Equal Opportunity Employer.

**NATIONAL INSTITUTES  
OF HEALTH**

## CARDIOVASCULAR BIOCHEMICAL PHARMACOLOGIST - PHD

SmithKline Corporation, a diversified multinational firm located in Philadelphia, Pennsylvania is seeking a Scientist for a position in Cardiovascular Pharmacology. The successful candidate should be interested in research directed towards the discovery of pharmacological characterization of new cardiovascular drugs and should have broad training in the biochemical and pharmacological aspects of cardiovascular function. Career development will be encouraged and technical assistance is provided.

Preference will be given to individuals with the following qualifications:

- PhD in Pharmacology.
- At least 1 to 2 years of laboratory experience beyond the doctorate.
- Demonstrated capability in initiating and conducting independent and unique research.
- Interest in molecular mechanisms of cardiovascular drug action.

SmithKline offers an excellent compensation program and opportunity for professional growth. Please send resume with salary history to: Mr. William Groves, Senior Employment Administrator, SMITH KLINE & FRENCH LABORATORIES, A Division Of SmithKline Corporation, 1554 Spring Garden Street, P.O. Box 7929, Philadelphia, Pennsylvania 19101.

We Are An Equal Opportunity Employer, Male/Female/Handicapped/Veteran.

**SmithKline**  
Smith Kline & French Laboratories

## POSITIONS OPEN

**POSTDOCTORAL POSITION** is available immediately to study vitamin D metabolism in relation to etiology and prevention of milk fever in dairy cows. Minimum salary is \$12,000. Send curriculum vitae, official transcripts, and names of three references to: **Dr. D. C. Beitz, Department of Animal Science, Iowa State University, Ames, Iowa 50011.** An Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL POSITION—BIOCHEMIST** Available for 2-year appointment to study interrelationships between tRNA and cancer.

Ph.D. in biochemistry or other related fields with strong background in biochemistry. Salary range: \$11,000 to \$13,000, depending on experience.

Submit curriculum vitae and supporting documentation to: **Personnel Management Branch, COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY—Rutgers Medical School, P.O. Box 101, Piscataway, N.J. 08854.** Equal Opportunity/Affirmative Action Employer, M/F.

**POSTDOCTORAL POSITION** available for research in cell membrane biophysics. Mechanisms of mobility and immobilization, motility, intracellular and transmembrane coupling on normal and transformed cells are studied by biophysical methods. Experience in biophysics, biochemistry, or eucaryotic cell biology would be helpful; particularly relevant are tissue culture, immunofluorescence, optical spectroscopy, and microscopy. Contact: **Professor Watt W. Webb, Applied Physics, Clark Hall, Cornell University, Ithaca, New York 14853.** An Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL POSITIONS** available immediately to study synthesis and functions of DNA unwinding proteins and effects of tumor promoters and growth factors in the regulation of DNA synthesis in normal and transformed cells. Degree in biochemistry or molecular biology with strong background in protein fractionation and purification. Salary: \$12,000. Reply: **Dr. Bruce Magun, Department of Anatomy, College of Medicine, The University of Arizona, Health Sciences Center, Tucson, Arizona 85724.** Equal Opportunity/Affirmative Action Employer.

**SUPERVISORY ECOLOGIST OR PHYSICAL SCIENCE ADMINISTRATOR.** The U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA), Office of Marine Pollution Assessment in Stony Brook, New York, is seeking a senior level scientist to manage the New York Bight Project Office. The incumbent formulates policy, designs research plans, coordinates inter- and intra-agency research efforts, maintains control over financial and other administrative resources allocated to the project, and evaluates program effectiveness. This position is in the competitive Civil Service. The grade and entrance level salary of the position are GS-15, \$38,160 per annum. Future salary adjustments are subject to Merit Pay System. **QUALIFICATIONS:** B.S. or higher degree in marine ecology or the marine disciplines of the physical sciences. In addition, 3 years of professional experience which has equipped the candidate with the knowledge necessary to perform the above duties. **SELECTIVE FACTORS:** Applicants must have technical and administrative management experience in marine pollution studies. **TO APPLY:** current or former federal employees should submit SF-171; two Employee Appraisals (CD-332) completed in full by the first and second level supervisors; and a transcript. Form CD-332 may be obtained by **telephoning: 303-499-1000, extension 6332 or FTS 323-6332.** Applicants not employed by the federal government should submit a complete application package for "Physical Science Positions-1300" if applying for the physical science administrator option or an application package for "Senior Level Positions No. 408," if applying for the supervisor ecologist option. These forms may be obtained from the nearest Office of Personnel Management (formerly U.S. Civil Service Commission). All applications should be submitted to: **NOAA/NTIA, Personnel Services Division (R566), Attention: Carolyn Straight, Boulder, Colorado 80303.** Reference Vacancy Number NOAA/ERL 79-267 (1). Applications must be postmarked no later than 12 October 1979 to receive consideration. An Equal Opportunity Employer.

## POSITIONS OPEN

**POSTDOCTORAL POSITION** available fall 1979, for recent Ph.D. in biochemistry or microbiology to study membrane protein biosynthesis induced by plasmids and bacteriophage. The work involves a combination of gene isolation and protein purification techniques. Competitive salary. Send curriculum vitae and names of three references by 15 September to: **Dr. D. H. Duckworth, Department of Immunology and Medical Microbiology, Box J-266, J. Hillis Miller Health Center, Gainesville, Florida 32610.** Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL POSITION**—Available immediately for studies of psychomotor and cognitive performance related to pharmacokinetics of several psychotropic drugs in normal and patient populations. Knowledge and interest in laboratory computers and signal analysis desired. Available for 2 years. Send curriculum vitae with three references and telephone numbers to: **Dr. E. H. Ellinwood, Behavioral Neuropharmacology Section, Department of Psychiatry, Duke University Medical Center, Durham, N.C. 27710.** Duke University is an Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL (RESEARCH ASSOCIATE) POSITION** available 15 September 1979 to investigate gene expression during meiosis of yeast. Strong background in biochemistry, nucleic acid hybridization, and recombinant DNA technology desired. Initial salary: \$11,000. Send curriculum vitae, recent reprints, and three letters of recommendation by 1 September to: **Dr. Dallice Mills, Department of Botany and Plant Pathology, Oregon State University, Corvallis, Oregon 97331.** Oregon State University is an Affirmative Action/Equal Opportunity Employer and complies with Section 504 of the Rehabilitation Act of 1973.

**POSTDOCTORAL RESEARCH**—Positions available starting immediately for the study of the biochemistry, pharmacology, and mechanism of action of the phorbol related diterpene ester tumor promoters. Applicants should have a strong background in biochemistry or biochemical pharmacology. Please forward curriculum vitae, three letters of recommendation, copies of publications, and full transcripts to: **Personnel Manager, Lifesystems Company, 1254 Chestnut Street, Newton, Mass. 02164.** An Equal Opportunity/Affirmative Action Employer.

### ANTICIPATED POSTDOCTORAL RESEARCH ASSOCIATE

Physical chemist or physicist for experimental research project on elastic properties of polymer liquid crystals using optical and light-scattering spectroscopic techniques. Salary competitive. Position may be renewable. Send résumé and arrange for three letters of reference to be sent to: **Dr. Donald B. DuPre, Department of Chemistry, University of Louisville, Louisville, Ky. 40208.** An Equal Opportunity/Affirmative Action Employer.

### POSTDOCTORAL RESEARCH ASSOCIATE

Physical chemist or chemical physicist for funded experimental research project on elastic properties of polymer liquid crystals and liquid crystal organizations on hemoglobin in sickle cell disease. Experiments will involve use of optical and laser light-scattering spectroscopic methods. Salary: \$14,000 per year, plus benefits. Position may be renewable. Send résumé and arrange for three letters of reference to be sent to: **Dr. Donald B. DuPre, Department of Chemistry, University of Louisville, Louisville, Ky. 40208.** An Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL RESEARCH POSITION** is available immediately for 2 years to work on the biochemistry and molecular biology of Baculoviruses. Applicants should have experience in some aspects of biochemistry or the molecular biology of viruses. Send curriculum vitae and three references to: **Dr. Richard A. Consigli or Dr. Lee A. Bulla, Division of Biology, Kansas State University, Manhattan, Kansas 66506.** An Equal Opportunity/Affirmative Action Employer.

**PRE- OR POSTDOCTORAL POSITION** to investigate the material properties of neonatal tissue and mechanically model in vivo load-deformation responses. Background in mechanics/biomechanics and finite element analysis helpful. Write to: **Professor Timothy J. Kriewall, Ph.D., Department of Obstetrics and Gynecology, L-2011 Women's Hospital, Box 07, University of Michigan, Ann Arbor, Mich. 48109.** The University of Michigan is a non-discriminatory, Affirmative Action Employer.

## POSITIONS OPEN

**POSTDOCTORAL RESEARCH ASSOCIATE** available 1 October 1979. To study phosphofructokinase and its interactions with other proteins, emphasizing F-actin. Starting salary: \$11,500. Send résumé and three letters of recommendation to: **Dr. Sonia R. Anderson, Department of Biochemistry and Biophysics, Oregon State University, Corvallis, Oregon 97331.** Closing date: 24 September 1979. Oregon State University is an Affirmative Action/Equal Opportunity Employer and complies with Section 504 of the Rehabilitation Act of 1973.

### POSTDOCTORAL RESEARCH ASSOCIATE

Available immediately at Texas Christian University, Fort Worth, Texas. To localize and characterize brain contractile proteins and their roles in CNS excitation-secretion coupling. Experience with synaptosomal or muscle biochemistry desirable. Funding in hand for 2 years. Stipend: \$14,500. Send curriculum vitae and three letters of recommendation to: **Dr. Joseph A. Babitch, Department of Psychobiology, University of California, Irvine, Calif. 92715.** Texas Christian University does not discriminate on the basis of race, creed, color, national origin, sex, age, or handicap. Women and minorities are encouraged to apply.

**POSTDOCTORAL RESEARCH ASSOCIATE(S), TOXICOLOGY AND PHARMACOLOGY**—Positions are available for studies on: (i) amino acid neurotransmitters involved in abused drugs, and (ii) biochemical mechanisms of neurotoxicology. Experience in neurochemistry or pharmacology is essential. Stipend begins at \$12,000 to \$14,000. Send curriculum vitae and two letters of reference to: **Dr. I. K. Ho, Department of Pharmacology and Toxicology, University of Mississippi Medical Center, 2500 North State Street, Jackson, Mississippi 39216.** The University of Mississippi Medical Center is an Equal Opportunity Employer, M/F.

**PRODUCTION SUPERVISOR, BACTERIAL PRODUCTS.** Connaught Laboratories, Inc., a leading manufacturer of biological products, has an immediate opening in its Production Department. Initial assignment will be in research and development for process training in the preparation, evaluation, and biochemical testing of meningococcal antigens. Will supervise manufacturing of meningococcal vaccine products. Position requires B.S. or equivalent in microbiology with course work in biochemistry or chemistry. Industrial experience helpful. Send résumé and salary requirements to: **D. H. Gattone, Personnel Manager, Connaught Laboratories, Inc., Swiftwater, Pa. 18370.** Equal Opportunity/Affirmative Action Employer.

Academic/professional opening for **RADIO-CHEMIST** to supervise campus isotopes laboratory for radioactive and stable isotopes, to instruct and supervise users of the laboratory in safe techniques, to develop a short course on safety practices with radioactive isotopes in the laboratory, and to provide laboratory instruction in a one-semester graduate course in methods of introducing and recovering radioactive and stable isotopic labels in organic compounds. Active research program not required but encouraged. Applicants need Ph.D. or comparable experience in radiochemistry or related field. Appointment to begin by 15 January 1980. Salary dependent on qualifications. Send curriculum vitae and names of three references to: **K. L. Rinehart, School of Chemical Sciences, University of Illinois, Urbana, Ill. 61801.** Telephone: 217-333-0627. To be assured of full consideration applications should be received by 30 September 1979. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

### RESEARCH ASSISTANT PROFESSOR

Ph.D. in metabolic endocrinology required plus at least 2 years of postdoctoral work in the area of neural/peptidergic control of endocrine pancreas and regulation of glucose and free fatty acid metabolism. Experience with peptide hormone assays and electronics associated with peripheral nerve stimulation very desirable. Send curriculum vitae and three letters of recommendation to: **Daniel Porte, Jr., M.D., VA Medical Center, 4435 Beacon Avenue South, Seattle, Washington 98108.** The University of Washington is an Equal Opportunity Employer.

**SEM-MICROPROBE TECHNICIAN.** Applications are invited for a senior technician to operate and run biological SEM-EMP laboratory in Boston, Massachusetts. Duties include routine maintenance, repair, and analysis. Individual with mini-computer experience and background in electronics and physics desired. Salary negotiable according to training and experience.

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## Ph.D Analytical Chemist

A supervisory position for an analytical chemist is immediately available in the Drug Metabolism Section of the Biological Research Division with Wyeth Laboratories, a leading pharmaceutical firm located in suburban Philadelphia. This position involves the disposition of new drugs in man and animals. The successful candidate must have a Ph.D. degree in analytical chemistry with up to 2 years experience in the analysis of drugs and their metabolites in biological fluids. The candidate must also have a strong background in chromatographic methods of analysis and the ability to develop novel, imaginative approaches for the extraction, separation, derivative formation and measurement of drugs in biological materials. An understanding of statistical and pharmacokinetic methods is also required.

This position offers rewards commensurate with the challenge. These include a competitive salary, an attractive benefits package and career growth opportunities.

Applicants send resume and salary requirements to:  
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## SENIOR STAFF FELLOW

The National Institute of Environmental Health Sciences, National Institutes of Health, Public Health Service, invites applications for a Senior Staff Fellow position. The incumbent will participate in the Molecular Genetics program of the Laboratory of Molecular Genetics in studies of DNA fidelity processes and their relationship to normal DNA metabolism and to induce mutation. There will be close interaction with staff using *in vivo* and *in vitro* techniques in the study of fidelity and DNA structure, mutation lesions in DNA, DNA replication and repair, and characterization of the enzymes of DNA metabolism.

This position requires a Ph.D. (or equivalent training and experience) and 3 years postdoctoral experience. The incumbent should have expertise in a procaryotic genetic system (particularly T4, or *E. coli* and other coli phage). The initial appointment will be made for 2 years with possible extensions. Salary range is \$19,740—\$30,198 depending on qualifications. Send letter of application, curriculum vitae, and names and addresses of three references by September 14, 1979, to:

**Dr. John W. Drake**  
Laboratory of Molecular Genetics  
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## senior toxicologist

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## POSITIONS OPEN

### RESEARCH ASSOCIATE DEPARTMENT OF PEDIATRICS

Wanted: Ph.D. in physiology for the position of research associate in the Department of Pediatrics, St. Francis Hospital-Medical Center. The candidate must have background in cardiopulmonary physiology and interest in research in the development of control mechanisms of cardiorespiratory system in the newborn. Position available immediately. Contact: S. N. Sinha, M.D., Professor and Chairman, Department of Pediatrics, St. Francis Hospital-Medical Center, North Building, 530 N.E. Glen Oak Avenue, Peoria, Ill. 61637; or telephone: 309-672-2570.

**RESEARCH ASSOCIATE.** Lamont-Doherty Geological Observatory of Columbia University is seeking a geochemist or chemical oceanographer to work on research in trace element cycling in marine environments who is able to direct an interdisciplinary program studying the fate of inorganic and organic pollutants in coastal environments. The position requires a Ph.D. in a related field with a background in geochemistry, training in the analysis and use of natural, fall-out, and artificial radioactive tracers, and a minimum of 1 year of postdoctoral experience. Prefer experience in aquatic microcosm research. Minimum salary: \$19,000. Applicants should send complete curriculum vitae and names of three references to:

Mary Burton  
Personnel Office  
Lamont-Doherty  
Geological Observatory  
of Columbia University  
Palisades, New York 10964  
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### RESEARCH ASSOCIATE HUMAN TUMOR BIOLOGY

A postdoctoral research associate position is available in the laboratory of Dr. Sydney Salmon for studies of factors influencing the growth of clonogenic tumor stem cells from fresh biopsies of human cancers. Candidates with strong academic background and experience in experimental hematopoiesis and tissue culture preferred. Send résumé and three references to: Dr. Sydney E. Salmon, Director, Cancer Center, University of Arizona College of Medicine, Tucson, Ariz. 85724. *Equal Opportunity/Affirmative Action Employer.*

The Radiobiology Laboratory at the University of California at Davis has an opening for a **RESEARCH VETERINARIAN** with advanced training in comparative pathology. This appointment will be at the adjunct associate professor level with a joint appointment in the Department of Veterinary Pathology. A demonstrated ability for research is required in the general areas of comparative pathology, hematology, and immunology. Specific experience with the application of assay systems for the in vitro study of lymphohematopoietic progenitors and a knowledge of tissue culture system in general would be desirable as would a background in radiation biology. In addition to some administrative commitments, the person will be required to coordinate several research programs at the laboratory involving studies on the effects of radiation on lymphohematopoiesis and toxicological studies on the effects of fossil fuel effluents associated with energy production. Applications will be accepted through 30 September 1979. Candidates should send curriculum vitae and three letters of recommendation to: Dr. Marvin Goldman, Radiobiology Laboratory, University of California, Davis, California 95616.

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

### SENIOR BIOLOGIST IN CELL BIOLOGY RESEARCH

The Cell Biology Research Department of Lilly Research Laboratories has immediate need for a Ph.D. who will be responsible in part for research in the field of genetics and molecular cloning.

Applicants should have a Ph.D. degree in biochemistry, genetics, or microbiology and research experience in molecular biology of gene expression and recombinant DNA methodology. The successful applicant will have the opportunity to collaborate with a multidisciplinary group of molecular biologists.

Send résumé with salary requirements to:

Peter D. Cullen  
Senior Personnel Representative  
Eli Lilly and Company  
P.O. Box 618  
Indianapolis, Indiana 46206

## POSITIONS OPEN

### SENIOR ENVIRONMENTAL MODELER

Multimedia modeling and environmental assessment effort seeks individual with experience in use/development of computer-based mathematical models for multimedia, atmospheric, terrestrial, or aquatic environments. Advanced degree in applied mathematics or environmental science/engineering. Background in chemistry, biochemistry, or biology. Prior managerial responsibility for multidisciplinary teams desirable. Salary commensurate with qualifications. Submit résumé, salary history, and references to:

UPGRADE Project  
Sigma Data Computing Corporation  
2021 K Street, NW, Suite 207  
Washington, D.C. 20006  
Attention: Laurance Milask

### SENIOR FACULTY, BIOCHEMISTRY

Texas A & M University, College of Medicine, has a senior faculty opening in the Department of Medical Biochemistry. Candidate should have established research program with major funding. Interim laboratory space is available pending completion of the Basic Sciences Building for the new VA-related medical school. Send complete curriculum vitae to: Search Committee, Department of Medical Biochemistry, Texas A & M University, College of Medicine, 110 Herman Heep Building, College Station, Texas 77843.

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**SUPERVISOR, TISSUE CULTURE AND SEROLOGICAL TESTING.** A leading biological products company is seeking a supervisor for serological and tissue culture testing in its Quality Control Department. Responsibilities include coordinating testing samples, scheduling testing operations, and developing new test procedures. Prefer microbiology Ph.D. with experience in serology and virology. Send résumé and salary requirements to: D. H. Gattone, Personnel Manager, Connaught Laboratories, Inc., Swiftwater, Pa. 18370. *Equal Opportunity/Affirmative Action Employer.*

**TURFGRASS RESEARCH ASSOCIATE**—Western Washington Research and Extension Center (WWREC) seeks an M.S. or Ph.D. in agronomy, horticulture, or closely related area to conduct research on turfgrass management. Funding from grant sources, no termination date. Salary: \$12,000 to \$13,000 per year. Send résumé, transcripts, and names and addresses of three persons who have been asked to submit letters of reference by 1 October 1979 to: Dr. R. L. Goss, WWREC, Puyallup, Wash. 98371. *An Equal Opportunity/Affirmative Action Employer. Women, minorities, and handicapped persons are encouraged to apply and identify themselves as such in their applications.*

## FELLOWSHIPS

### POSTDOCTORAL FELLOWS, CARDIOVASCULAR

Fellowships (\$10,000 and up) available 1 September 1979, as part of training grant in cardiovascular pharmacology. Research areas include basic membrane biology and biophysics, study of subcellular organelles, hormone receptors, cardiac electrophysiology and electropharmacology, vascular muscle contraction,  $Ca^{2+}$ - $Mg^{2+}$ -ATPase mechanism, ionophores and drugs in hemodynamic studies. Active cardiovascular group. For information write: Dr. A. L. Bassett, Director of Training Grant, Department of Pharmacology, University of Miami School of Medicine, P.O. Box 016189, Miami, Florida 33101.

**POSTDOCTORAL FELLOWSHIPS IN VIRAL AND CHEMICAL CARCINOGENESIS.** NCI training grant. Fellowships starting immediately are available. University-wide research emphasis on cell culture studies of mechanisms of chemical carcinogenesis and mutagenesis; prevention of carcinogenesis; differentiation, proteases, and carcinogenesis; cytogenetics; and epidemiology and molecular biology of RNA and DNA tumor viruses. Interdisciplinary collaboration encouraged. Candidates must be U.S. citizens or permanent residents and must possess M.D., Ph.D., or equivalent degree. Send curriculum vitae, bibliography, research interests, and names of three references to: Dr. Charles Heidelberger, University of Southern California, Comprehensive Cancer Center, 1721 North Griffin Avenue, Los Angeles, California 90031. *An Equal Opportunity Employer.*

## FELLOWSHIPS

**VISION RESEARCH—POSTDOCTORAL/RESEARCH ASSOCIATE.** Ph.D. to participate in research on central visual mechanisms of animals using behavioral, anatomical, and electrophysiological methods. Experience and interest in animal psychophysics highly desirable. Send curriculum vitae and references to: V. Casagrande or R. Fox, Department of Psychology, Vanderbilt University, Nashville, Tennessee 37240. *An Equal Opportunity/Affirmative Action Employer.*

### IMPERIAL CANCER RESEARCH FUND

#### RESEARCH FELLOWSHIP

A postdoctoral biochemist or molecular biologist with experience in DNA sequencing techniques is required to assist in cloning and to sequence biologically significant regions of higher eukaryotic DNA. The appointment will be for 3 years. Salary range: £5823 to £7129, including L.A.

For further information, telephone Dr. M. Fried at 01.242.0200, extension 297. Applications with curriculum vitae and the names of two referees should be sent to: Secretary, Imperial Cancer Research Fund, Lincoln's Inn Fields, London WC2, England, quoting Reference 303/79.

**ENDOCRINOLOGY, METABOLISM, DIABETES RESEARCH FELLOWSHIPS.** NIH postdoctoral fellowships for research training in endocrinology, metabolism, and diabetes with an option for one or more years of clinical training for qualified applicants are available at the Mayo Clinic-Mayo Graduate School of Medicine. For further information write to: Colum A. Gorman, M.D., or John E. Gerich, M.D., Mayo Clinic, Rochester, Minnesota 55901. *Mayo Foundation is an Equal Opportunity/Affirmative Action Institution.*

### POSTDOCTORAL FELLOWSHIPS IN TOXICOLOGY

Postdoctoral fellows sponsored by NIEHS needed to work on the effects of selected environmental chemicals on cells. Knowledge of morphologic, biochemical, or tissue culture techniques useful. Salary commensurate with experience. Write or telephone: Dr. R. Abraham, Center of Experimental Pathology and Toxicology, Albany Medical College, Albany, New York 12208, telephone: 518-445-5492.

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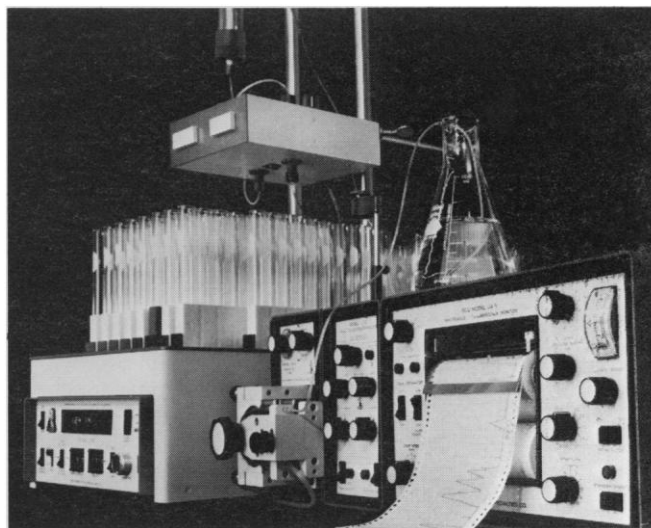
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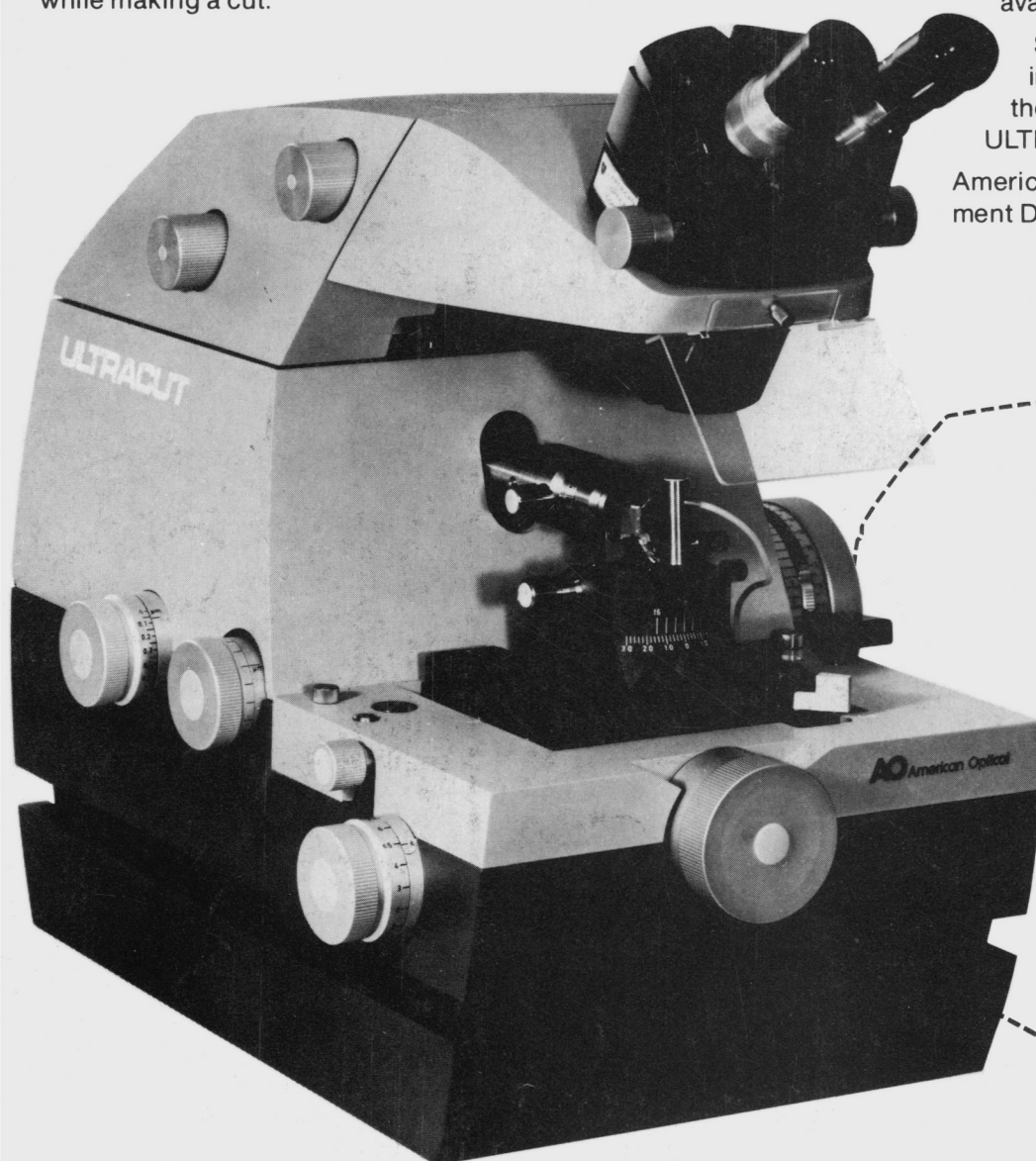
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