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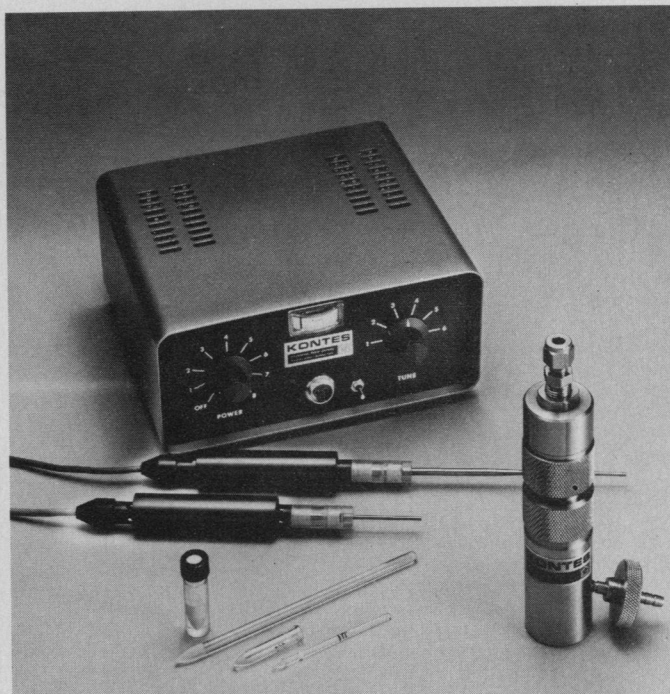
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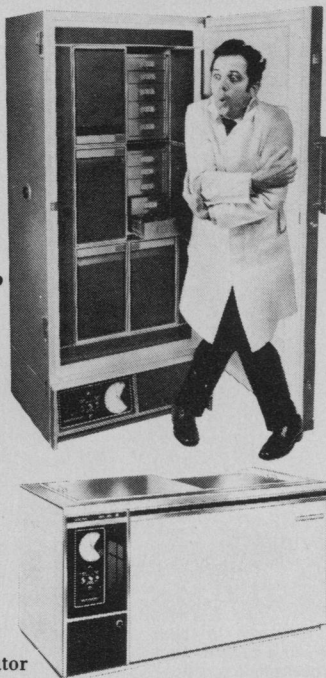
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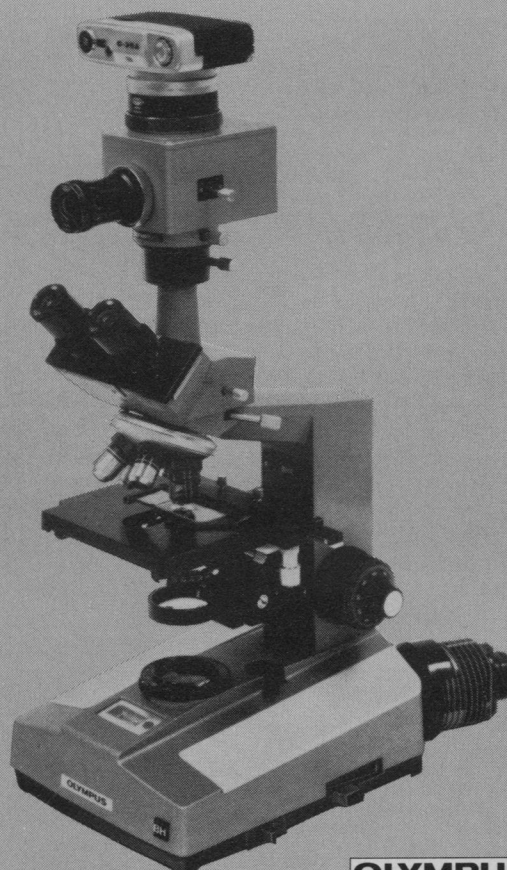
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Neuropharmacologist, M.D., Ph.D. Catecholaminergic mechanisms in the brain. Microiontophoresis, EEG studies, self-stimulation. Broad research and teaching experience in neuro- and psychopharmacology. Seeking stable position, preferably in a research institute. Box 235, SCIENCE. X

Supervisory Epidemiologist. M.P.H. 1971 (biostatistics), Dr.P.H. 1978 (epidemiology). Nine years of progressive experience in medical research, six at senior level. Extensive background including environmental, disaster, and drug (Phase III/IV Clinical Drug Trials) epidemiology, and mental health research. Academic training heavily emphasized chronic disease epidemiology. Doctoral dissertation on the long-term health effects of natural disaster. Appropriate publications. Presently senior environmental epidemiologist with environmental health management consulting firm. Seeks position in government, academe, or industry offering supervisory or management responsibilities. Prefers D.C., Philadelphia, or Harrisburg areas. Box 237, SCIENCE. X

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POSITIONS OPEN

ANATOMIST. The Department of Anatomy at the University of Nevada, Reno, School of Medical Sciences, anticipates a temporary position opening through 30 June 1980. Candidates will be expected to participate actively in the teaching of gross anatomy, histology, and embryology to medical students. Applications will be received until a suitable candidate is identified. Write to: Dr. L. K. Schneider, Department of Anatomy, School of Medical Sciences, University of Nevada, Reno, Nevada 89557. Affirmative Action/Equal Opportunity Employer.

The Institute for Physical Science and Technology of the University of Maryland, College Park, invites applications for a tenure-track appointment in experimental aspects of either statistical physics or plasma physics. Preference will be given to those applicants who offer greatest promise of close interaction with the institute's strong theoretical groups in these areas. Within statistical physics our principal interests focus on nonequilibrium process-fluids, such as nonlinear phenomena, hydrodynamic instabilities, fluctuations, and so forth. Within plasma physics, our principal interests focus on the physics of waves and instabilities in space plasma, Q-machine studies of waves and instabilities, or optical plasma diagnostics in the ultraviolet. A detailed résumé and list of references should be sent to: Professor Joseph Silverman, Institute for Physical Science and Technology, Space Science Building, University of Maryland, College Park, Maryland 20742. The University of Maryland is an Affirmative Action/Equal Opportunity Employer.

DEPARTMENT OF ENTOMOLOGY UNIVERSITY OF CALIFORNIA, RIVERSIDE

A full-time position at the level of ASSISTANT ENTOMOLOGIST and ASSISTANT PROFESSOR will be available 1 January 1980. Duties will involve 90 percent basic and applied research on insect pest management of vegetable crops in southern California and 10 percent teaching, including graduate student supervision. The Ph.D. is required. Applicants should be knowledgeable in insect pest management, ecology, pesticides, and statistics. Applications should be received by 1 October 1979. Send résumé, names of five referees, transcripts of undergraduate and graduate work, and list of publications to:

R. A. Van Steenwyk
Search Committee Chairman
Department of Entomology
University of California
Riverside, Calif. 92521

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ASSISTANT PROFESSORSHIP. Available 1980. Applicant with research interests related to host-parasite or cell-cell interactions and a broad background in general microbiology will be considered. Teaching responsibilities could include development of a modern course dealing with interactions between microorganisms and higher organisms. Individuals with postdoctoral training are invited to send their curriculum vitae, most significant reprints, a short statement of projected research plans, and the names of three references to: Dr. J. Gregory Zeikus, Department of Bacteriology, University of Wisconsin, 1550 Linden Drive, Madison, Wisc. 53706. An Affirmative Action/Equal Opportunity Employer. Deadline: 1 November 1979.

The Division of Metabolism in the Department of Pediatrics is recruiting for an ASSISTANT RESEARCH BIOCHEMIST. Applicant must have a Ph.D. in biochemistry or chemistry and at least 2 years of postgraduate experience. Applicant should have experience in either amino acid metabolism and transport, sulfur chemistry, or lysosome function in cultured mammalian cells. Demonstrated excellence in research is essential. Salary in the university is determined by the level of rank. Send curriculum vitae, bibliography, and names of three references to: Dr. Jerry A. Schneider, University of California, San Diego, School of Medicine, M-009, La Jolla, California 92093.

The University of California, San Diego, 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 PROFESSOR POSITION available in AGRONOMY AND RANGE SCIENCE DEPARTMENT. Research in genetics and breeding methodology of food legume species, with emphasis in one or more of the following areas: biological nitrogen fixation, pest resistance, improved productivity, nutritional quality, and germ-plasm development and management. Teaching in food legume production and plant breeding. Training: Ph.D. degree in genetics or plant breeding. The University of California is an Affirmative Action/Equal Opportunity Employer and encourages applications from minority groups and women. Send curriculum vitae, transcripts, list of publications and reprints, and the names and addresses of at least three persons who can serve as referees to: P. F. Knowles, Department of Agronomy and Range Science, University of California, Davis, Calif. 95616; telephone 916-752-1716 or 916-752-1703. Applications may not be considered if received after 1 September 1979.

ASSISTANT PROFESSOR OF PUBLIC HEALTH to begin 1 July 1980. Applications should be received by 1 December 1979. A doctoral (preferably M.D. or Ph.D.) degree in public health or equivalent in other social sciences is required. Some teaching experience and previous publication is desirable. The new faculty member will have responsibility for expanding and improving course offerings, field experience, and research experience in the areas of medical economics and medical care. The candidate must also be ready to assume responsibility for guiding small groups of students in individualized study projects in the area of health services administration and serve as a faculty adviser and master's or doctoral thesis supervisor to students. Yale University and the Department of Epidemiology and Public Health are Equal Opportunity Employers and encourage applications from women and members of minority groups. Send applications to: Professor George A. Silver, Health Services Administration, Department of Epidemiology and Public Health, Yale University, 60 College Street, New Haven, Connecticut 06510.

BIOCHEMIST NUCLEIC ACID

Immediate opening for a qualified biochemist (nucleic acid) to assume an active role in the Cancer Research Program at our Institute for Molecular Virology. Ph.D. preferred. Desirable qualifications include experience in hybridization kinetics and gel electrophoresis. Salary commensurate with experience; range: \$18,000 to \$20,000. Faculty appointment dependent upon experience, research proficiency, and academic credentials. Send curriculum vitae in confidence to: Dr. Maurice Green, c/o St. Louis University Medical Center, Personnel Services, 3556 Caroline Street, St. Louis, Mo. 63104.

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BIOLOGICAL OCEANOGRAPHER—Full professor for 12-month tenured position in general marine ecosystem processes. An experienced theoretician, interested in verification of his/her models, is sought to teach advanced biological oceanography, supervise graduate students, and obtain research funding. Salary: \$28,000 to \$45,000, commensurate with experience. Send résumé and names of three references by 1 October 1979 to: G. Ross Heath, Dean, School of Oceanography, Oregon State University, Corvallis, Oregon 97331. An Affirmative Action/Equal Opportunity Employer in compliance with Section 504 of the Rehabilitation Act of 1973.

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Two positions are available under the Inter-governmental Personnel Act of 1970 for persons now employed in state/local government or in colleges and universities. These positions are within the Environmental Observation Division of the Office of Space and Terrestrial Applications, National Aeronautics and Space Administration (NASA) Headquarters. Both positions are for 1 year with the possibility for renewal for an additional year. Pay will be at a level commensurate with experience and will be established after a review of qualifications.

Candidates must have been employed by the university in a permanent position for at least 90 days or be a career employee of a state or local government. Candidates must also meet the federal qualification standards for the position. These are as follows: a degree in an appropriate field of science, plus 3 years of progressively responsible experience in duties related to the position.

OCEANOGRAPHER (one position)

This individual will provide scientific guidance to NASA management in the development and implementation of a scientific research program in remote satellite sensing of oceanic processes in coastal regions. A background in coastal oceanography or ocean optics is preferred, with experience in physical, biological, and/or geological oceanography. A Ph.D. or equivalent training and experience is mandatory. Experience in remote sensing is desirable, especially as related to ocean color.

METEOROLOGIST/CLIMATOLOGIST (one position)

This individual will provide technical and scientific expertise to NASA management in the applications program in remote satellite sensing of atmospheric processes. A background in meteorology, climatology, or atmospheric physics is required. A background in remote sensing is desirable. A Ph.D. or the equivalent training and experience is mandatory.

Interested parties should send a current résumé to: NASA Headquarters, Attention: Sarah Keegan, Code EPM-3, Washington, D.C. 20546.

POSITIONS OPEN

BIOCHEMIST. M.D. or Ph.D. with interest in clinical research. New York City noncommercial laboratory. Applicant should also have expertise in the following areas: steroid radioimmunoassay; mass spectroscopy of steroids; steroid receptor assay and fractionation; and isolation of steroid-induced messenger RNA's. *Equal Opportunity Employer.*

Box 239, SCIENCE

The **DEPARTMENT OF BIOLOGY**, College of Science, Texas A & M University, College Station, Texas 77843, is accepting applications for two faculty positions listed as follows:

PHYSIOLOGIST

This position is a tenure-track faculty position at the assistant professor level. Duties will include the teaching of mammalian and general animal physiology and participation when needed in the introductory biology program. Preferred research skills are in the area of biochemical control mechanisms in the nervous and endocrine systems. The candidate should have a Ph.D. with a minimum of 1 year of postdoctoral experience.

COORDINATOR, INTRODUCTORY BIOLOGY PROGRAMS

This position is a tenure-track faculty position. Duties will include coordination of all multiple-section freshman biology lectures and laboratories as well as some instructional responsibilities. Candidates should have a Ph.D. and extensive experience in teaching and coordinating large, multisection courses. Preference will be given to those candidates who have a demonstrable record of achievement in designing and utilizing innovative teaching methods. Rank and salary are negotiable.

Send curriculum vitae, reprints, and telephone numbers of three references to: **Chairman, Search Committee, Department of Biology, Texas A & M University, College Station, Texas 77843. Texas A & M is an Affirmative Action/Equal Opportunity Employer.**

BIOMATERIALS. Assistant or associate professor. Joint appointment, Department of Biomedical Engineering and Engineering Design Center. Ph.D. with broad background in materials for medical use, particularly packaging implant instruments. Teach graduate and/or undergraduate courses. Develop and evaluate materials for implantable transducers and electronic circuits as member of established research group in medical instrumentation. Start spring or fall 1980. Send résumé to: **Robert Plonsey, Ph.D., Chairman, Department of Biomedical Engineering, Case Western Reserve University, Cleveland, Ohio 44106, or telephone: 216-368-4060.**

CELL BIOLOGY POSTDOCTORAL POSITION available immediately for a recent Ph.D. to study cell-cell interaction and differentiation of human colon cancer cells in vitro. Background in biochemistry and experience in cell culture required. Salary: \$11,000. Send curriculum vitae and three references to: **Dr. Lynne P. Rutzky, Department of Surgery, University of Texas Medical School, P.O. Box 20708, Houston, Texas 77025. An Equal Opportunity/Affirmative Action Employer.**

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.**

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.**

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

CHAIRMAN, Department of ANATOMY-PHYSIOLOGY, College of Veterinary Medicine, University of Missouri. Applications and nominations are invited for a leader in a progressive department of anatomists, physiologists, physiological chemists, pharmacologists, and toxicologists. The chairman directs the department's teaching, research, service, and extension efforts, including veterinary medical, graduate, and undergraduate programs. Candidates with D.V.M. and Ph.D. degrees, with demonstrated teaching, research, and administrative abilities are preferred. Applicants should send a letter of interest, curriculum vitae, and names of three professional references with addresses and telephone numbers to: **Dr. Lloyd C. Faulkner, Chairman, Screening Committee, W-203 Veterinary Medicine, Columbia, Mo. 65211, or telephone: 314-882-2655 for information.** Deadline for receipt of applications is 1 November 1979, or until the position is filled. *The University of Missouri is an Equal Opportunity Employer.*

UNIVERSITY OF MICHIGAN MEDICAL SCHOOL

Senior faculty member to be **CHIEF OF ADULT SERVICE** of a large Department of Psychiatry with broad training and research programs. Must have Boards in psychiatry, documented evidence of research experience, and teaching and clinical skills. Should have considerable administrative experience. Psychoanalytic training helpful. Reply to: **Gardner C. Quarton, M.D., Chairman, Search Committee-Chief of Adult Service, Mental Health Research Institute, Department of Psychiatry, University of Michigan Medical School, Ann Arbor, Mich. 48109. A nondiscriminatory, Affirmative Action Employer.**

FACULTY POSITION (tenure-track) to start between February and September 1980. The Biochemistry/Biophysics Program is seeking an **assistant professor** with outstanding potential in the area of physical biochemistry. Instructional responsibilities will focus in biophysical chemistry. Send transcripts, a summary of qualifications (including grant support, if applicable), a brief (one- to three-page) description of research plans, curriculum vitae, and reprints of your two most important articles, and have four reference letters sent to: **Dr. James A. Magnuson, Search Committee, Biochemistry/Biophysics Program, Washington State University, Pullman, Wash. 99164. Screening starts 1 October 1979.**

Washington State University is an Equal Opportunity Employer. Women, minorities, and handicapped persons are encouraged to apply and to identify themselves as such.

FACULTY POSITIONS—IMMUNOLOGY

Two tenure-track positions available immediately in Department of Pathology to join experimental group specializing in immunology. Applicants must have an interest in and be able to teach medical and graduate students and at the postdoctoral level. Preference will be given to individuals with strong research interest and demonstrated independence. Particular area of specialization is of minor importance. Level of academic appointment and salary negotiable. Send curriculum vitae, a brief summary of present and future research interests, and the names and addresses of three references to: **Chairman, Search Committee, Department of Pathology, 50 North Medical Drive, Salt Lake City, Utah 84132.**

The University of Utah is an Equal Opportunity Employer.

Deadline for applications: 30 September 1979.

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.

POSITIONS OPEN

BIOCHEMIST to work in collaboration with cell biologist and physiologist in examining properties of human retinal cells in tissue culture. Project dedicated to detecting genetic abnormalities responsible for retinitis pigmentosa and macular degeneration. Send curriculum vitae with list of publications and references to: **Dr. Peter Gouras, Eye Research, 630 West 168 Street, New York, N.Y. 10032.** *An Affirmative Action/Equal Opportunity Employer.*

CLINICAL NUTRITION, PROFESSOR

The University of Nebraska Medical Center invites applications and nominations of a distinguished physician-clinical nutritionist-scientist to develop a research and teaching program in clinical nutrition. Appointment can be either in internal medicine or pediatrics and the specific area of excellence is open. Collaboration available within the entire university system including the College of Agriculture, a foundation-supported laboratory of nutritional biochemistry, and a strong division of gastroenterology. Please send curriculum vitae to: **Dr. Arnold E. Schaefer, 8401 Dodge Road, Omaha, Nebraska 68114.** *The University of Nebraska is an Affirmative Action/Equal Opportunity Employer.*

COORDINATOR, RECOMBINANT DNA FACILITY. Southern Illinois University at Carbondale is accepting applications for a coordinator of a newly established recombinant DNA facility. Qualifications: Ph.D. in biochemistry, microbiology, or a related biological science and postdoctoral recombinant DNA experience with eukaryotes. Duties include supervision of technicians, training of graduate students and faculty, coordinator of multidisciplinary research teams, and assuring compliance with university and federal regulations. The coordinator will be a regular member of an academic department in the College of Science with teaching, research, and service assignments therein. Starting date: immediately. Send curriculum vitae to: **James N. BeMiller, Department of Chemistry and Biochemistry, Southern Illinois University at Carbondale, Carbondale, Ill. 62901,** by 18 September 1979. *Southern Illinois University is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

DEVELOPMENTAL BIOLOGIST. Tenure-track position for January 1980. Requires Ph.D. and post-doctoral experience. A strong background in one or more of the following is especially desirable: biochemistry and biophysics of nucleic acids and proteins; biochemical genetics; radiobiology. Duties include teaching undergraduate core/service courses and advanced/graduate (M.S.) course related to specialty. Development of active research program and efforts to acquire outside funding are expected. Curriculum vitae, research summary, and three letters of reference should be sent by 30 August 1979 to: **Dr. Ilze B. Skare, Department of Biological Sciences, University of Lowell, Lowell, Mass. 01854.** *The University of Lowell is an Equal Opportunity/Affirmative Action Employer.*

DIRECTOR OF RESEARCH COMPUTER FACILITY AND ASSISTANT PROFESSOR OF BIOLOGICAL CHEMISTRY. Responsibility for operation and further development of Research Computer Facility serving multiple users; opportunity to develop new programs; graduate-level teaching and research; Ph.D. with relevant experience required. Position available 1 November 1979. Applications and curriculum vitae are to be sent to: **Dr. Eugene A. Davidson, Department of Biological Chemistry, Box D, The Milton S. Hershey Medical Center, The Pennsylvania State University, Hershey, Pa. 17033.** Applications will be received until 31 October 1979.

An Equal Opportunity/Affirmative Action Employer

ENVIRONMENTAL SCIENTISTS

Consulting firm seeks environmental scientists, with at least an M.S. and at least 3 years of experience in impact analysis, environmental planning, and/or policy development. All disciplines. Primary current needs: air quality analyst with expertise in monitoring and modeling and toxicologist/biostatistician. Send résumés to:

Donald T. Parent, Personnel Director
Dalton • Dalton • Newport
3605 Warrensville Center Road
Cleveland, Ohio 44122

Equal Opportunity Employer, M/F

An EPA sponsored National Conference:

Cardiovascular Disease and Drinking Water

October 9—11, 1979 at the
University of Massachusetts/
Amherst

Recognized authorities will present their latest research concerning the role of drinking water factors as etiologic agents in cardiovascular disease. The following three specific areas will be addressed in detail:

1. The influence of elevated levels of sodium in drinking water on human health.
2. The influence of selected heavy metals (e.g. cadmium, copper, lead, selenium, and zinc) in drinking water on cardiovascular disease.
3. The influence of hard and soft water on cardiovascular disease.

For further information concerning conference attendance write to:

Edward J. Calabrese, Ph.D.

or

Gary S. Moore, Dr. P.H.

Conference Directors

Division of Public Health

University of Massachusetts

Amherst, Massachusetts 01003

The Upjohn Company currently has the following positions available within its Pharmaceutical Research Division at its corporate location in Kalamazoo, Michigan:

RESEARCH VETERINARY PATHOLOGIST/ TOXICOLOGIST, DVM, Ph.D.

The Drug Safety Group is seeking two individuals who will be involved with planning, conducting and evaluating animal toxicology studies in support of drug development programs; providing consultation to research project teams and conducting experimental pathology programs and research to elucidate disease mechanisms. Position requires a DVM plus Ph.D. or equivalent research experience, and Board Eligibility or Certification by the American College of Veterinary Pathologist.

MICROBIAL BIOCHEMIST Ph.D.

The Infectious Diseases Research Unit is seeking an individual with a Ph.D. in microbial biochemistry, preferably with experience in microbial physiology, molecular biology and immunology. Postdoctoral training in these areas is desired. The incumbent will be expected to devise and develop new methodology for the differentiation and evaluation of new antibiotics.

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

An Equal Opportunity Employer M/F

Upjohn

POSITIONS OPEN

ECOLOGICAL SYSTEMS SCIENTIST. A vacancy exists for a tenurable assistant professor in the Systems Science Institute, a program within the Graduate School of the University of Louisville. Applicant must have a doctorate with an interdisciplinary flavor, emphasizing the systems sciences and/or related disciplines. Preference will be given to those candidates who have demonstrated quantitative skills in applying systems theory concepts in one or more of the following areas: analysis of environmental or ecological systems, energy systems, urban or regional systems, or health systems. The successful candidate should be prepared to carry on individual research, interact with ongoing research projects at the institute, teach graduate-level courses, and advise doctoral and master's students.

The position is available immediately. Interested persons should send curriculum vitae, including transcripts and three references, to: **Dr. William J. Mitsch, Chairman of Faculty Search Committee, Systems Science Institute, University of Louisville, Louisville, Ky. 40208; telephone: 502-588-6482.** Closing date for applications is 1 October 1979. An Equal Opportunity/Affirmative Action Employer.

DEPARTMENT HEAD MARITIME SYSTEMS ENGINEERING DEPARTMENT

The department head is responsible for the administrative and service operations of the department which has tremendous potential in providing the engineering talent required in the coastal and offshore areas where a steady growth in industrial activity is projected for many years to come. The department head is encouraged to develop interaction with the local maritime and energy industries as well as government agencies in order to establish avenues of mutual interest including significant requirements for engineering research. The department currently offers the B.S. degree in maritime systems engineering (M.A.S.E.) with areas of concentration in ocean engineering, coastal structures, or in hydromechanics. The department head is also responsible for the academic program development, oversees laboratory operations, and teaches classes as required by course offerings. A Ph.D. degree with a major in civil, mechanical, and/or ocean engineering is required; administrative experience as well as teaching experience at the college level and/or a responsible engineering position in industry, preferably marine oriented, is necessary. Professional registration is highly desirable. Rank and salary dependent on qualifications. Send résumé to: **Dr. Sammy M. Ray, Director, School of Marine Technology, Moody College, Texas A & M University System, P.O. Box 1675, Galveston, Texas 77553.** An Affirmative Action/Equal Opportunity Employer.

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 recommendation. Apply to:

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

POSITIONS OPEN

FACULTY POSITIONS IN INDUSTRIAL HYGIENE AND AIR POLLUTION

Department of Environmental Health Sciences, Tulane University, has available two tenure-track positions beginning January 1980, in the areas of air pollution and industrial hygiene.

ASSISTANT PROFESSOR—Applicant must have a doctoral degree in occupational health, industrial hygiene, or a closely related physical or biological science with some experience in air pollution.

ASSOCIATE PROFESSOR—Applicants must have a doctoral degree in occupational health or industrial hygiene. Certification by the American Board of Industrial Hygiene is desirable.

Applicants are expected to participate in the occupational health teaching program, contribute to existing research projects, and develop independent research. Salary to be negotiated commensurate with qualifications and experience. Candidates should send curriculum vitae and other supportive data including three letters of reference by 31 October 1979 to: **Dr. A. J. Englands, Acting Chairman, Department of Environmental Health Sciences, Tulane University School of Public Health and Tropical Medicine, 1430 Tulane Avenue, New Orleans, Louisiana 70112.** Tulane University is an Equal Opportunity/Affirmative Action Employer.

FIELD STATION MANAGER—University of Wisconsin-Milwaukee. Botanist, ecologist, zoologist, or environmental scientist with experience in field research and program management; Ph.D. preferred. Mechanical and teaching ability helpful. Must reside at the station. Probationary academic staff position. Apply by 31 August 1979. Send résumé and names of three references to:

**Forest Stearns, Chairman
Field Stations Committee
Botany Department
University of Wisconsin-Milwaukee
P.O. Box 413
Milwaukee, Wisc. 53201**

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

DEPARTMENT HEAD

Applications are invited for the position of head, Department of Meteorology at Texas A & M University. The department consists of 14 faculty members and approximately 160 undergraduate and graduate students. Candidate must have Ph.D. degree, academic and research experience in atmospheric science, and should qualify for full professorship. Prior university administrative experience will be favored. Position starts 1 September 1980. Applications and nominations must be submitted by 1 February 1980 to: **Dr. Earl Cook, Dean of Geosciences, Texas A & M University, College Station, Texas 77843.**

An Affirmative Action/Equal Opportunity Employer

ENJOY JAPAN. IMMUNOLOGISTS, TOXICOLOGISTS AND PHARMACOLOGISTS. Men and women with M.S. or Ph.D. wanted by leading Japanese pharmaceutical company to work in their R & D institute in Japan. Top salary, housing, travel allowance. Contract negotiable. Send résumé to: **IMCA, 1111, TBR Building, 2-10-2, Nagata-cho, Chiyoda-ku, Tokyo, 100 Japan.**

Lehigh University is seeking a **MAMMALIAN CARDIOVASCULAR PHYSIOLOGIST** for a tenure-track position at the assistant professor level in the Center for Health Sciences. A Ph.D. is required. Postdoctoral work in cardiovascular physiology and a B.S. or M.S. degree in engineering or physics is highly desirable.

The successful candidate will establish an active research program in cardiovascular physiology and participate in selected programs at a clinical center. Support of Lehigh's bioengineering program through the teaching of an appropriate course in physiology and anatomy, and some participation in current cardiovascular research at Lehigh is expected. Experience at generating research support is desirable.

Send application and letters from three referees to: **Dr. E. P. Salathé, Center for the Application of Mathematics, Lehigh University, 4 West Fourth Street, Bethlehem, Pa. 18015.**

MOLECULAR TOXICOLOGY

Postdoctoral position available immediately, for research on biochemical and biologic mechanisms underlying drug cytotoxicity. Strong background in biochemical pharmacology/enzymology/organic chemistry, or pathobiology needed. Send résumé to: **Dr. D. Jollow, Pharmacology Department, Medical University of South Carolina, Charleston, S.C. 29401.**

POSITIONS OPEN

INFORMATION SCIENTIST—Immediate opening for an information scientist fluent in Russian and/or other Slavic languages. Degree in biomedical and/or chemical field required. Good English writing skills essential. Activity involves scanning of current medical scientific and technological literature. Please send complete résumé, including salary requirements, to: **Personnel Department, Franklin Institute, 20th and Parkway, Philadelphia, Pa. 19103.** Minorities encouraged to apply.

Applications are invited for an **INSTRUMENTATION ENGINEER** position for appointment on or before 1 November 1979. Duties include design, fabrication, and modification of electronic, electro-optical, and electromechanical instruments used in biological research and attending to the data processing needs of the staff. B.S. in electrical engineering and a strong interest in instrumentation are required, and 1 to 2 years of experience would be helpful. The salary is competitive. Please reply with full particulars, including experience, salary expectations, curriculum vitae, references, and date of availability, to: **Dr. William L. Pak, Department of Biological Sciences, Purdue University, West Lafayette, Indiana 47907.** Equal Access/Equal Opportunity Employer.

NEUROPHYSIOLOGIST OR NEUROANATOMIST

The Department of Neurosciences at McMaster University has a junior faculty position available for a skilled neurophysiologist or a neuroanatomist. The neurophysiologist should be interested in and competent to study the release and actions of neurotransmitters and neuromodulators, especially peptides, prostanooids, and purines. Interest in establishing the role of putative transmitters and modulators in central or peripheral tissues would be especially welcome. The ability to utilize appropriate electrophysiological techniques would be a valuable asset. The neuroanatomist should be familiar with contemporary techniques of pathway tracing involving use of HRP, fluorescent methods, autoradiography, and so forth, and be able to undertake correlative light and EM studies of central or peripheral nerve tissue. Interest in neuroembryology and the development of neural circuitry would be especially welcome, but the only absolute requirements are experience in the use of transmission and scanning EM and classical histological techniques for the study of the nervous system.

Salary will be commensurate with experience. Appointment is effective immediately and will terminate in June 1981. Applications, including curriculum vitae and names of three references, will be received up to 31 October and should be sent to: **Dr. G. M. Brown, Chairman, Department of Neurosciences, McMaster University, 1200 Main Street West, Hamilton, Ontario, Canada L8S 4J9.**

NUCLEAR MEDICINE. Physician at professor or associate professor level, for joint appointment at University and the VA Medical Center (Newington, Conn.). Responsibilities in teaching, patient care, and research. ABNM-certified or equivalent, with record of continued achievement. Contact: **Dr. Richard P. Spencer, Department of Nuclear Medicine, University of Connecticut Health Center, Farmington, Conn. 06032.** Telephone: 203-674-3120. Equal Opportunity Employer, M/F.

PHARMACOLOGY—Research associate position available immediately. Studies will include drug metabolism and the position of anthracycline antitumor agents in vivo and the effects of these agents on cellular and subcellular targets in vitro. Candidates should have broad training in pharmacology and biochemistry. Ph.D. degree in molecular or biochemical pharmacology preferred. Send curriculum vitae, list of publications, and names and addresses of three references to: **Dr. M. Israel, Division of Pharmacology, SIDNEY FARBER CANCER INSTITUTE, 44 Binney Street, Boston, Mass. 02115.** Sidney Farber Cancer Institute, a teaching affiliate of Harvard Medical School, is an Equal Opportunity Employer.

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

PHARMACOLOGIST RESEARCH ASSISTANT IN AUTONOMIC DRUG-RECEPTOR PHARMACOLOGY

MS or BS with up to 3 years autonomic laboratory experience. The ideal candidate will be skilled in both isolated organ and whole animal techniques, will have a strong foundation in statistics, and excellent communication skills. This individual will be responsible for evaluating chemical compounds using established autonomic techniques and will participate in the introduction of innovative methodology to autonomic pharmacology.

Merrell Research Center provides a stimulating environment for productive and satisfying research plus excellent benefits. Send curriculum vitae including transcripts and names of 3 references to:

Director of Administration

MERRELL

RESEARCH CENTER

2110 East Galbraith Road

Cincinnati, Ohio 45215

An Equal Opportunity Employer M/F

Merrell

RADIOIMMUNOASSAY DEVELOPMENT

GROUP CHIEF

Hoffmann-LaRoche, one of the world's leaders in the pharmaceutical industry, is located in suburban northern New Jersey twelve miles from New York City.

Our Department of Biochemistry and Drug Metabolism has an opening for an individual, preferably with a Ph.D. and industrial experience, who will head a group responsible for RIA development and application. In addition to RIA development, this person must have experience in pharmacokinetics and drug metabolism.

Please send resume, in confidence, to: Mrs. Eleanor M. Malone, Professional Placement Specialist, Hoffmann-LaRoche, Inc., Nutley, New Jersey 07110.

an equal opportunity employer m/f

ROCHE

HOFFMANN-LA ROCHE Inc.

Recombinant DNA

The Upjohn Company currently has an opening available for a Ph.D. in biochemistry, microbiology, or molecular genetics with a strong background in all three areas and preferably 1 to 3 years in postdoctoral research program designed to facilitate microbial production of medically important peptides and proteins from higher eukaryotic organisms. Person will interact with other laboratories pursuing similar objectives. Attractive salaries and excellent comprehensive benefits. 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 résumé in confidence to:

Upjohn

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

An Equal Opportunity Employer, M/F

TOXICOLOGIST

Miles Laboratories, Inc., an established, rapidly growing consumer, chemical, and pharmaceutical company, has a position for a Toxicology Research Scientist with a B.S. or M.S. degree in the Life Sciences and at least 5 years of industrial laboratory experience. The successful candidate will have a broad background in Toxicology with experience covering a range of study designs and including subchronic and chronic studies and teratology. This individual must also have the ability to plan and conduct studies; and to evaluate data and report results with little or no supervision.

Located in Elkhart, Indiana, a community of 50,000 population, we offer excellent recreational and educational facilities, as well as convenient accessibility to the Chicago area. Excellent starting salary commensurate with experience, plus a superior benefits program. Relocation expenses paid by the company.

If interested, please submit complete resume and salary requirements in confidence to:

Patrick E. Casady
Placement Representative
Department 925

Miles Laboratories, Inc.

P.O. Box 40

Elkhart, Indiana 46515



An Equal Opportunity Employer M/F/H

POSITIONS OPEN

PHARMACOLOGIST. The Department of Pharmacology has two openings for assistant professors of pharmacology. Candidates must have a doctorate degree with 1 or 2 years of postdoctoral training in cardiovascular or endocrine pharmacology and must demonstrate a capacity for independent research which will have a high probability of attracting external financial support. Some teaching experience is desirable since the positions require participation in all teaching programs of the department, including programs for medical, dental, and graduate students. The college is located on a modern, 50-acre, new campus in Newark and is in close proximity to a wide variety of living styles. Many opportunities are available in the geographic area for academic and scientific interactions.

Send curriculum vitae, including the names of three references, to: **Dr. George A. Condouris, Professor and Chairman, Department of Pharmacology, COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY, New Jersey Medical School, 100 Bergen Street, Newark, New Jersey 07103. An Equal Opportunity/Affirmative Action Employer, M/F.**

PHARMACOLOGIST—NEUROSCIENTIST

Applications are invited from individuals interested in a tenure-track position as assistant professor in the Departments of Psychiatry and Pharmacology and Cell Biophysics at the University of Cincinnati. Responsibilities include: (i) developing an independent research program in the clinical or basic neurosciences, and (ii) participation in group studies designed to chemically characterize the state and trait variables for the affective disorders and the schizophrenias. Applicants must have at least the Ph.D. degree or equivalent and postdoctoral experience. Applicants should send their curriculum vitae, including a summary of future research plans and the names of three references, to: **Dr. David Garver, Department of Psychiatry, University of Cincinnati College of Medicine, 231 Bethesda Avenue, Cincinnati, Ohio 45267.**

An Affirmative Action Employer

CALIFORNIA INSTITUTE OF TECHNOLOGY seeks candidates for a position in PLANETARY SCIENCE

With emphasis on planetary surfaces or planetary atmospheres, and on observational programs using spacecraft. Appointment preferable at the assistant professor level.

Please contact: **Dr. B. Kamb, Chairman, Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, California 91125**, enclosing résumé, bibliography, and research interests. *An Equal Opportunity Employer.*

POSTDOCTORAL starting September 1979 for photochemical solar cell using subchloroplast particles. Experience in electronics, electrochemistry, biochemistry, biophysics, or photosynthesis preferred. Send curriculum vitae and two letters of reference to: **Dr. Elizabeth Gross, Department of Biochemistry, Ohio State University, 484 West 12 Avenue, Columbus, Ohio 43210.**

POSTDOCTORAL POSITION—Insect biochemistry. Work on chitin metabolism, its regulation, and synthesize compounds that interfere with insect molting. Starting salary: \$13,000. Applicant should have recent Ph.D. in biochemistry or related discipline. Send résumé and names of three references to: **Dr. Karl J. Kramer, Department of Biochemistry, Kansas State University, Manhattan, Kans. 66506. Kansas State University is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION IN NEUROBIOLOGY to study the long-term "trophic" influence of nerve on skeletal muscle. Available immediately for 1 to 3 years. Ph.D. in some area of neuroscience required. Experience with biochemical techniques preferred. Send curriculum vitae and names of three references to: **Dr. Steven G. Younk, Department of Pharmacology, School of Medicine, Case Western Reserve University, Cleveland, Ohio 44106.**

POSTDOCTORAL POSITION available September 1979, for research on the transport and metabolism of purines by malaria-infected red cells. Experience in nucleic acid chemistry and/or transport preferred. Send résumé and three references to:

**Dr. Irwin W. Sherman
Department of Biology
University of California
Riverside, Calif. 92521**

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

POSTDOCTORAL POSITIONS (two) available immediately. (i) For studies of liposomes as in vivo drug carriers; experience in biochemistry, physiology, or pharmacology is desirable. (ii) For studies of drug interactions at the metabolic level using a perfused liver system; experience in analytical techniques, medicinal chemistry and/or pharmaceuticals is desirable. Salary range: \$13,000 to \$15,000. Send résumé, summary of past research, and names of two references to: **Dr. C. Anthony Hunt, Department of Pharmaceutical Chemistry, S-9626, University of California, San Francisco, Calif. 94143.**

POSTDOCTORAL POSITION—Position available to a recent graduate in cell biology-biochemistry-endocrinology having experience in tissue cultures and immunological techniques. Studies will include pancreatic islet cell research. This position offers competitive salary with fringe benefits and a unique opportunity to join a growing group of biological researchers. To apply, send curriculum vitae and the names and addresses of three references to: **Dr. Jack N. Harris, FRANKLIN RESEARCH CENTER, 20th and Race Streets, Philadelphia, Pa. 19103. Equal Opportunity Employer.**

Two **POSTDOCTORAL POSITIONS** available immediately; \$12,000 per year. (i) Study of a damage-specific DNA binding protein from human cells. Background in enzymology or nucleic acid biochemistry preferred. Apply to: **Dr. Ross S. Feldberg.** (ii) Respiratory and transport functions of mitochondria, especially in postnatal development and in pathological states, for example, Reye's syndrome or myopathies. Experience in mitochondrial biochemistry or isolated liver cell metabolism preferred. Apply to: **Dr. June R. Aprile.** Send curriculum vitae, résumé or research experience, and names of references. **Department of Biology, Tufts University, Medford, Mass. 02155.**

POSTDOCTORAL POSITION IN EXAFS APPLICATIONS. Available immediately. Development of a laboratory EXAFS (Extended X-Ray Absorption Fine Structure) system and applications of this method to problems of molecular structure. Background in chemical physics or structural inorganic chemistry and experience with electronic instrumentation desirable. Send résumé and three letters of recommendation to: **Dr. John D. Baldeschwieler, Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, California 91125. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION available for fall 1979, for recent Ph.D. in biochemistry, preferably with experience in enzymology and protein fractionation techniques. Project involves proteases in biological control. Send curriculum vitae and three references to: **Dr. Walter Troll, Department of Environmental Medicine, New York University Medical Center, 550 First Avenue, New York, N.Y. 10016.**

POSTDOCTORAL POSITIONS: (i) Structure identification of DNA cross-links; see *J. Amer. Chem. Soc.* **99**, 302 (1977). (ii) Biochemical effects of the reactions of nucleic acids with SO_2 ; see *Mutation Res.* **39**, 149 (1977). Both start autumn 1979. Salary: \$12,000 per year; higher for unusually well qualified individuals. Send curriculum vitae and references to: **Professor Robert Shapiro, Department of Chemistry, New York University, 4 Washington Place, New York, N.Y. 10003. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION available fall 1979 for recent Ph.D. Membrane fusion in model and biological membrane systems. Salary: \$12,000. Send curriculum vitae and names of three references to:

**Dr. Shinpei Ohki
Department of Biophysical Sciences
State University of New York, Buffalo
224 Cary Hall
Buffalo, New York 14214**

POSTDOCTORAL/RESEARCH ASSOCIATE to join three PD's studying the structure, enzymology, and cytoskeletal interactions in coated vesicle mediated protein transport. Biochemical or cell biological background required; \$11,000 to \$14,000. *University of Maryland Baltimore County is an Affirmative Action/Equal Opportunity Employer.*

**Dr. Thomas F. Roth
Department of Biological Sciences
University of Maryland Baltimore County
Catonsville, Md. 21228
Telephone: 301-455-2254**

POSITIONS OPEN

POSTDOCTORAL POSITION available immediately for physiologist/biophysicist with background in ion transport (radiotracers) and/or cellular electrophysiology. Send curriculum vitae to: **Dr. M. Lieberman, Duke University Medical Center, Department of Physiology, Box 3709, Durham, N.C. 27710. Telephone: 919-684-4386. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION IN VISUAL PHYSIOLOGY. Applications are for a postdoctoral position, supported by an NIH training grant, available on or before 1 February 1980. This position will be sponsored by any one or more of the following faculty members: S. E. Ostroy, W. L. Pak, D. R. Pepperberg, L. H. Pinto, and G. S. Wasserman. Research will involve biochemical, electrophysiological, or histological studies of the vertebrate or invertebrate retina; the specific area of study will depend on the mutual interests of the successful candidate and sponsoring faculty member(s). Send curriculum vitae, a description of research interests, and the names of three references to: **W. L. Pak, Ph.D., Department of Biological Sciences, Purdue University, West Lafayette, Indiana 47907. Purdue University is an Equal Access/Opportunity Employer.**

POSTDOCTORAL POSITIONS available immediately in neurochemistry laboratory. Biochemical and EM study of brain capillaries and membrane permeability in vivo and in vitro. Send curriculum vitae to: **Dr. Robert A. Fishman, Department of Neurology, 794-M, University of California, San Francisco, Calif. 94143. An Equal Opportunity Employer.**

POSTDOCTORAL POSITION. Available immediately to study GABA receptor biochemistry and pharmacology. Experience in biochemical techniques desirable. Salary range: \$12,000 to \$13,500, depending upon experience. Send curriculum vitae, letter of recommendation from major adviser, and names of two references to: **Dr. M. K. Ticku, Department of Pharmacology, The University of Texas Health Science Center, 7703 Floyd Curl Drive, San Antonio, Texas 78284.**

POSTDOCTORAL POSITION available immediately. Ph.D. in biochemistry or toxicology for research into the pathogenesis of lead intoxication and nutrition-lead interaction. Experience with enzymatic assays and analytical techniques preferred. Prefer 2-year commitment, renewable. Stipend: \$12,500 first year. Send curriculum vitae and three references to: **Dr. Gerald R. Bratton, College of Veterinary Medicine, University of Tennessee, Knoxville, Tenn. 37901. Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL RESEARCH ASSOCIATE to join suburban university group investigating immunoglobulin binding and receptors on oocytes and yolk sac tissue. Experience in cell biology or biochemistry required, \$11,000 to \$14,000. **Dr. Thomas Roth, Department of Biological Sciences, University of Maryland Baltimore County, Catonsville, Maryland 21228. 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 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.**

Two **POSTDOCTORAL RESEARCH POSITIONS** available immediately. To study (i) the role of proteolytic enzymes and inhibitors in disease, or (ii) new techniques in the fractionation of human plasma proteins. Starting salary: \$12,000. Please send curriculum vitae with three references to: **Dr. James Travis, Department of Biochemistry, University of Georgia, Athens, Georgia 30602.**

STAFF FELLOWSHIP

The Clinical Branch, National Eye Institute, offers a Staff Fellowship in the Clinical Eye Pathology Section. Applicants may be Ph.D.'s or M.D.'s and must have between four and six years' postdoctoral experience in immunology and immunochemistry. In addition, applicants must be U.S. citizens or resident aliens who would be eligible for citizenship within four years. The initial appointment will be made for two years with possible extension. Salary ranges from \$20,000 to \$37,500 and would be commensurate with the level of training and experience.

Interested persons should send curriculum vitae no later than September 14, 1979 to Karen M. Wright, Deputy Personnel Officer, National Eye Institute, National Institutes of Health, Public Health Service, Bethesda, MD 20205. Phone (301) 496-4274 for further information. Equal Opportunity Employer.

**NATIONAL
INSTITUTES
OF HEALTH**

CELL BIOLOGIST

A challenging position is immediately available in the arthritis/inflammation group of Pfizer's Central Research Laboratories in Groton, Conn. This research effort is aimed at the discovery of new drugs for the treatment of rheumatoid and osteoarthritis.

Position requires a PhD in cell biology; 2-3 years of postdoctoral experience, including a strong background in biochemistry; and an interest in connective tissue structure and metabolism.

In addition to excellent potential for professional recognition and career growth, we offer a competitive salary/benefits package and the opportunity to live in an attractive shore community, midway between New York and Boston.

Apply by sending your resume and salary history to: F.G. Ziegler, Pfizer Central Research, Eastern Point Road, Groton, CT 06340.

An Equal Opportunity Employer



SYNTEX POSTDOCTORAL FELLOWSHIP

SYNTEX, leading multinational Pharmaceutical/Life Sciences firm on the SAN FRANCISCO PENINSULA, is offering a fellowship to qualified individual lasting 1-2 yrs. in the Dept. of Biochemistry, Institute of Biological Sciences, SYNTEX RESEARCH, starting late 1979.

Qualifications desired are considerable exp. with HPLC & GLC. Work will involve development of methods for the determination of extremely low concentrations of steroidal hormones in various biological media. Collaboration with other groups at SYNTEX doing RIA & GC/MS is expected. Candidates should have a strong background in physical chemistry & mathematics.

Minimum stipend is \$13,700 with good benefits. Send resume & names of 3 references to: Dr. Enrico Forchielli, Institute of Biological Sciences, SYNTEX RESEARCH, 3401 Hillview Ave., Palo Alto, CA 94304. An equal opportunity/affirmative action employer.

SYNTEX

Managing Director

**Research Foundation
For Mental Hygiene**

The Search Committee of the Research Foundation for Mental Hygiene invites applications and nominations for the position of Managing Director. The Managing Director is selected by the Board of Directors, serves as the Chief Executive Officer and is responsible to them.

The Research Foundation for Mental Hygiene administers contracts and grants from federal, state and private foundations and companies totalling over \$7 million annually. Research is conducted mostly at five institutes, four of which are located in the New York metropolitan area and one in Buffalo.

The candidate should have managerial and administrative skills, active interest in science and research, should be capable of communicating and negotiating effectively with funding agencies and possess knowledge of federal government grants applications, funding and accounting practices.

The position is located in Albany and some travel to the Institute will be required. Salary will be commensurate with experience. The successful candidate will start work as soon as possible after selection. Send C.V. with salary history and salary requirements by August 27, 1979 to Stanley Yolles, M.D., Chairman, Search Committee, Long Island Research Institute, Office of Mental Health, Health Sciences Center, State University of New York at Stonybrook, Stonybrook, New York 11794. References will be required before selection.

POSITIONS OPEN

POSTDOCTORATE IN TOXICOLOGY—To study pulmonary- and hepatotoxicology. Projects deal with mechanisms of chemically perturbed hepatobiliary function and pulmonary uptake of drugs. Experience with lipid and protein biochemistry and/or in vitro drug metabolism techniques preferred. Toxicology background or interest in toxicology training desired. Mail curriculum vitae and three letters of reference to: **Dr. H. M. Mehendale, Department of Pharmacology and Toxicology, University of Mississippi Medical Center, Jackson, Mississippi 39216.** The University of Mississippi Medical Center is an Equal Opportunity Employer, M/F.

PROFESSOR AND HEAD CENTER FOR GENETICS

An opportunity for an outstanding research scientist and teacher to join the faculty of the School of Basic Medical Sciences of the University of Illinois at the Medical Center in Chicago. Candidates for this position are expected to mount a major research program in the forefront of some aspect of genetics or a related field. Candidates must be able to direct the training of six to ten pre- and/or postdoctoral students and secure the operating research resources for their work. The candidate selected will have an opportunity to recruit new faculty to the center. The position requires a person with ability to cooperate with basic science or clinical departments of the university in developing collaborative research and educational programs. Recently renovated space is available in a productive research environment. The position offers a challenge in professional and graduate education in a stimulating urban setting.

Please send letters of interest with curriculum vitae or nominations to the chairman of the Search Committee, by 15 October 1979. **Dr. Sheldon Dray, Professor and Head, Department of Microbiology and Immunology, University of Illinois at the Medical Center, P.O. Box 6998, Chicago, Ill. 60680, telephone: 312-996-7470.**

FULL PROFESSOR FINFISH POPULATION BIOLOGY

The Chesapeake Biological Laboratory of the University of Maryland Center for Environmental and Estuarine Studies is seeking a scholar of international repute in the area of coastal/marine finfish population studies. The successful candidate will have a strong research program as evidenced by publications and grantsmanship, should have a strong background in statistics, and will be eager to participate in graduate education. The appointment carries tenure and the salary is competitive. Nominations and inquiries should be forwarded in writing no later than 10 September 1979. Each application should include a summary of present and future research goals, names of six potential referees, and curriculum vitae addressed to: **Chairman, Search Committee, Chesapeake Biological Laboratory, Solomons, Maryland 20688.**

NATIONAL SCIENCE FOUNDATION PROGRAM MANAGER FOR ETHICS AND VALUES IN SCIENCE AND TECHNOLOGY (\$32,442 to \$47,500 per annum)

The National Science Foundation, Office of Science and Society, is seeking qualified applicants for a 2-year rotational appointment as Program Manager for Ethics and Values in Science and Technology. Responsibilities include making awards for research and other activities of national significance that are concerned with the ethical and value issues associated with the conduct of science and technology. Directs program activities, including allocation of resources establishing overall goals and objectives, evaluating proposals, preparing recommendations for grants, and monitoring the progress of funded projects directed toward increased understanding of the ethical problems and value conflicts generated by scientific and technological developments, increased understanding of the impact of changing ethical and social standards on scientific and technological enterprise, and so forth. Position is exempted from the competitive Civil Service. Salary is negotiable based on qualifications and experience within salary range shown above. Health, life insurance, and leave benefits are available. Applicants must have a Ph.D. or its equivalent in one of the natural or social sciences, engineering, or philosophy and demonstrated experience. Send résumés to: **National Science Foundation, DPM EMPB 79-14, 1800 G Street, NW, Washington, D.C. 20550** by close of business, 31 August 1979. For further information, telephone: **Catherine Hobek, 202-632-4124.**

An Equal Opportunity Employer

POSITIONS OPEN

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.

PROFESSOR OF MEDICAL ANTHROPOLOGY

Applications are invited for a tenured position, jointly sponsored by the Faculty of Arts and Sciences and the Faculty of Medicine of Harvard University. Requirements include: (i) a Ph.D. in anthropology with appropriate academic experience in a medical setting and/or an M.D. with graduate education in anthropology, and (ii) evidence of outstanding competence in research and teaching. The incumbent would be expected to develop a major program of research on the ways culture influences conceptual models of health and illness and institutions of health care, processes by which persons become patients, expectations and transactions between patients and healers, and disease models and their consequences for health care. The incumbent is to establish a teaching program for undergraduate, graduate, and postdoctoral students in both anthropology and medicine. In particular, we are eager to develop interdisciplinary research and teaching programs with promise of success in clinical medical settings as well as in the more traditional field sites.

Send curriculum vitae, bibliography, and names of four references to: **Leon Eisenberg, M.D., Chair, Search Committee, Department of Psychiatry, Children's Hospital Medical Center, Boston, Mass. 02115.** Harvard University is an Equal Opportunity/Affirmative Action Employer.

PROFESSOR AND CHAIRMAN of the Department of Physiology at the Mount Sinai School of Medicine of the City University of New York. Candidate should have an M.D. or Ph.D. degree with seven or more years of experience in teaching and research in physiology or related studies and have held the rank of associate professor or its equivalent. Candidate should also have experience in teaching of medical students, graduate students, and postdoctoral fellows. Please send curriculum vitae to: **Jerome Kleiner, M.D., Chairman of the Search Committee, Physiology, THE MOUNT SINAI MEDICAL CENTER, One Gustave L. Levy Place, New York, N.Y. 10029.** An Equal Opportunity Employer.

UNIVERSITY OF MICHIGAN MEDICAL SCHOOL

The Department of Psychiatry is seeking a **PSYCHIATRIST** or **PSYCHOLOGIST** at tenured level to become Director of the Child Development Project, an interdisciplinary infant mental health clinical research unit. Must have psychodynamic and clinical research background and experience with infancy (up to 3 years) developmental concepts and parents. Also, proven ability to obtain grants. Reply to: **Peter Blos, Jr., M.D., Child Development Project, 201 East Catherine Street, Ann Arbor, Mich. 48109.** A non-discriminatory, Affirmative Action Employer. Code 600B0.

REPRODUCTIVE PHARMACOLOGIST/PHYSIOLOGIST

Ph.D. with strong background in general pharmacology to conduct bioavailability and pharmacokinetic studies with potential contraceptive drugs and take part in other reproductive studies. Experience in radioimmunoassays and radiotracer techniques essential. For more information, telephone: **Dr. R. Naqvi at 617-791-0931.** Send résumé, references, and salary requirements to: **D. Perron, Personnel Manager, EG&G Mason Research Institute, 57 Union Street, Worcester, Mass. 01608.**

RESEARCH ASSOCIATE POSITION. A position is available to investigate the metabolic functions of a zinc binding protein (metallothionein). Salary: \$13,000 to \$15,000, depending on experience and qualifications. Send résumé and names of three references before 1 September 1979 to: **Dr. P. D. Whanger, Department of Agricultural Chemistry, Oregon State University, Corvallis, Oregon 97331.** An Affirmative Action/Equal Opportunity Employer, in compliance with Section 504 of the Rehabilitation Act of 1973.

POSITIONS OPEN

PUBLIC HEALTH EDUCATOR. Faculty position with the University of Louisville Cancer Center in Public Health Education with areas of specialization in cancer education, methodology, and cancer control. Rank and salary dependent on qualifications. Ph.D. or D.Sc. degree required. *An Equal Opportunity/Affirmative Action Employer.* Apply to: **John S. Spratt, M.D., University of Louisville, The Cancer Center, P.O. Box 35260, Louisville, Kentucky 40232.**

RESEARCH ASSISTANT PROFESSORSHIP to collaborate in biochemical studies on the regulation of N₂ 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.**

RESEARCH ASSOCIATE CORNELL UNIVERSITY

Research associate position available 1 September 1979 investigating hemoglobin rapid reaction kinetics. Ph.D. in physics or physical chemistry. Previous experience in biology not necessary. Starting salary: \$15,970. Send résumé and list of references to:

**Dr. Quentin Gibson
Section of Biochemistry,
Molecular and Cell Biology
Wing Hall
Cornell University
Ithaca, New York 14853**

An Equal Opportunity/Affirmative Action Employer

RESEARCH ASSOCIATE—Ph.D. in biochemistry with training in immunology and interest in cell culture. Primary responsibility for isolation of a cellular protein. Position is for 3 years. Salary: \$14,000 to \$18,000 and faculty title commensurate with qualifications. Apply to: **J. Niemetz, Chief of Hematology, BRONX VA HOSPITAL, 130 West Kingsbridge Road, New York, N.Y. 10468.** An Equal Opportunity Employer, M/F.

RESEARCH ASSOCIATE

Research associate to develop and coordinate research on the role of HLA antigens and antibodies in blood banking, and the interaction of the MHR with immunoglobulin allotypes in the immune response to erythrocyte antigens. Send curriculum vitae to: **S. Behrens, Personnel Office, American Red Cross, 18th and E Streets, NW, Washington, D.C. 20006.** Equal Opportunity Employer, M/F.

RESEARCH ASSOCIATE

Biomedical Engineering Laboratory Red Cross Blood Services, Bethesda, Md. Ph.D. or equivalent in engineering. Strong interest in R & D programs, develop protocols, conduct investigation on blood collection procedures. Position for 1 year, possibility of renewal. Salary range: \$18,000 to \$19,000. Send curriculum vitae to: **S. Behrens, Personnel Office, American Red Cross, 18th and E Streets, NW, Washington, D.C. 20006.** Equal Opportunity Employer, M/F.

RESEARCH ASSOCIATE, Ph.D. in biochemistry with two or more years of experience in protein and carbohydrate chemistry to study function of mononuclear leukocytes. Experience in tissue culture, cell fractionation, immunochemistry, radiochromatography, gas-liquid chromatography, high-pressure liquid chromatography, and mass spectrometric analysis of natural and synthetic sugars. Salary: \$13,770 per year. Qualified individuals should send curriculum vitae to: **Box 240, SCIENCE.**

RESEARCH PROFESSOR IN RADIOLOGY

The University of Pennsylvania is seeking a scientist (M.D. or Ph.D.) with experience in radiologic research to administer and participate in the research activities of the newly constructed Radiology Research Laboratories. Preference will be given to an individual with prior experience in a Radiology Department and demonstrated research accomplishments. Research activities will include all facets of radiology and nuclear medicine. Academic appointment will be at the associate professor or professor level depending on academic qualifications. Send curriculum vitae and bibliography to: **Stanley Baum, M.D., Department of Radiology, Hospital of the University of Pennsylvania, 34th and Spruce Streets, Philadelphia, Pa. 19104.** The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

NIH SEEKS CHINA SPECIALIST

Fogarty International Center seeks university-based Ph.D. in biomedical sciences with Chinese language competency to do studies on Chinese biomedical research and assist in related activities. Incumbent will be appointed for one year or more under Intergovernmental Personnel Act and university reimbursed for salary and related expenses. Must be U.S. citizen. Prefer Ph.D. in biochemistry, physiology, microbiology, but will consider other biomedical background.

Write or call Deputy Director, Fogarty International Center, NATIONAL INSTITUTES OF HEALTH, Public Health Service, Bethesda, Maryland 20205, (301) 496-5903. Deadline date: September 14, 1979. Equal Opportunity Employer.

**NATIONAL INSTITUTES
OF HEALTH**

WILDLIFE/AQUATIC BIOLOGISTS. Opportunity requiring skills and experience in the effects of air pollutants on fish and wildlife resources.

The National Power Plant Team, U.S. Fish and Wildlife Service, has available three positions in wildlife biology/aquatic ecology. The positions are 3-4 year term appointments. Duty station is Ann Arbor, Michigan.

The National Power Plant Team is a part of the Biological Services Program. Its goal is to provide information which will prevent or minimize the adverse impacts and maximize the beneficial effects of electric power generation and transmission on fish and wildlife resources.

In order to provide information necessary to address the responsibilities of the Fish and Wildlife Service under the Clean Air Act and its Amendments and to develop the appropriate research for protecting and enhancing the Nation's fish and wildlife resources, the National Power Plant Team is initiating work on the effects of air emissions on fish, wildlife, and their habitats.

The selected applicants will apply technical knowledge and understanding to the legislative clean air mandates; develop research objectives, plans, and proposals; provide technical assistance and support for power plant related ecological research; draft appropriate guidelines and handbooks concerning various environmental aspects of electric power generation; develop systems, and provide support and assistance to the Washington and Regional offices concerning the technical aspects of the effects of power plants on the environment; and develop computer simulations of power plant impacts and ecological responses.

The positions require professional knowledge of the theory, principles and methods of wildlife/aquatic biology and a working familiarity with related disciplines such as fishery biology, plant physiology and soil science. Knowledge of the requirements for the conduct of basic and applied research in these various biological fields is essential. Applicants should have knowledge of the ecological impacts of electric power generation and transmission; skills in computer modeling and quantitative analysis techniques; and skill of a highly developed nature in recognizing critical trends in wildlife biology and in interpreting observations and drawing sound conclusions concerning action to be taken or recommended.

Four years of college in wildlife biology, ecology or related field and 3 years of experience in relevant research are minimum requirements.

Applicants should have OPM status or be currently certified in Senior Level OPM 486 register at GS-13 level. Applicants with particularly relevant qualifications but who are certified in Mid-level Register at GS-9, -11, or -12 may be considered.

Applicants should respond by providing an updated SF 171 and Supervisor Appraisal (Form 3-142). Equal Opportunity Employer.

Responses should be sent within 2 weeks from the date of this announcement to:

**Team Leader
National Power Plant Team
U.S. Fish and Wildlife Service
2929 Plymouth Road
Ann Arbor, MI 48105**

MICROBIOLOGIST PhD

We are one of the largest chemical companies with worldwide research efforts. We have a position now available for a PhD in Microbiology, with at least 3 years experience in the field of antibiotic research. Successful candidate will be experienced in the isolation of antibiotic-producing micro-organisms with a strong background in strain selection, taxonomy and antibiotics fermentation. The position is responsible for leading a group of 6 assistants engaged in the search for new antibiotics and other microbial metabolites. Send Curriculum Vitae to:



**Personnel Director
Hoechst
Pharmaceuticals,
Ltd.**

P.O. Box 7756, Bombay 400080 India

CHEMICAL ENGINEERS AND CHEMISTS

The Office of Chemical Control of the U.S. Environmental Protection Agency (EPA) is offering challenging positions to chemical engineers and chemists interested in protecting human health and the environment from hazardous chemical substances. In implementing the Toxic Substances Control Act (TSCA), the Office of Chemical Control (OCC) has authority to issue regulations requiring manufacturers and processors to reduce or eliminate exposure to harmful substances.

OCC is recruiting chemical engineers and chemists who have experience in the chemical industry and are looking for a stimulating and responsible job. OCC's work in developing regulations under TSCA involves the analysis of complex scientific, economic, and policy issues. Chemical engineers and chemists would be involved in: the evaluation of existing technologies to control hazardous chemicals; assessment of control options available to limit the release of chemicals during manufacture, processing, distribution, use, and disposal; and development of regulatory requirements.

Experience: preferably 2 years in chemical industry.

Grade level: These positions will be at the GS-11 through GS-14 levels, with a salary range from \$19,263 to \$42,171, plus Civil Service benefits.

Those interested in pursuing this opportunity should submit a résumé or a Standard Form 171 (available in Federal Information Job Centers and Federal government offices), to:



**ENVIRONMENTAL PROTECTION
AGENCY
Office of Chemical Control (TS-794)
401 M Street, SW
Washington, D.C. 20460
Attention: Joe Talerico**

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

RESEARCH FELLOW—Seeking Ph.D. in biochemistry or related field to collaborate in studies of RNA modification and function. Strong background in enzymology or nucleic acid chemistry required. Salary: \$17,680. Send résumé with references to: **Elsie Wainfan, Ph.D., New York Blood Center, 310 East 67 Street, New York, N.Y. 10021.**

Experienced **SALES PERSONS** needed to cover established territories in the Northeast and Southeast. Product line is high-quality research and clinical instrumentation for biofeedback, behavior modification, psychoacoustics, and experimental psychology. Background in experimental psychology a plus. Salary plus commission. All expenses paid. If you can sell and want high earnings in \$25,000 to \$35,000 range, send resume to:

Jerry Richardson
Coulbourn Instruments, Inc.
P.O. Box 194
Laramie, Wyoming 82070

STAFF SCIENTIST

Research position available for human immunogeneticist with background and publications in both serologic and cellular aspects of human histocompatibility and in cell-mediated cytotoxicity to normal, tumor, and virus of infected cells. Requires M.D. or Ph.D. and minimum of 3 years of experience, \$32,000 per year. Reply to:
Box 238, SCIENCE

COURSE

LIQUID CHROMATOGRAPHY IN CLINICAL ANALYSIS
12 to 14 November 1979
Golden Gateway Holiday Inn,
San Francisco, California

This postgraduate course, sponsored by the University of California at San Francisco, will explore liquid chromatography and its application to patient care. AMA/CMA Category I Credit: 19 hours. For further information, please telephone: **415-666-4251.**

PROGRAM

PROFESSIONAL PROGRAM: DOCTOR OF OPTOMETRY (O.D.). Accelerated program of two calendar years specifically designed for the Ph.D. in the sciences to earn the O.D. degree. Excellent opportunities in health-related teaching and research; opportunity for an independent professional career. Program starts June 1980. **Division of Vision Sciences, The New England College of Optometry, 424 Beacon Street, Boston, Mass. 02115. Telephone: 617-261-3430, extension 34.**

FELLOWSHIPS

RESEARCH FELLOWSHIPS TO SWEDEN, SWITZERLAND, AND FRANCE. The Fogarty International Center, NIH, has been asked to announce that the Swedish Medical Research Council, the Swiss National Science Foundation, and the French National Institute of Health and Medical Research (INSERM) will each make available in 1980 several research fellowships to qualified U.S. biomedical scientists. These fellowships will provide postdoctoral training in basic or clinical areas of medical research. Application forms may be obtained from: **Scholars and Fellowships Program Branch, Fogarty International Center, NATIONAL INSTITUTES OF HEALTH, Public Health Service, Bethesda, Md. 20205. Equal Opportunity Employer.**

HARVARD UNIVERSITY DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY POSTDOCTORAL FELLOWSHIPS

A limited number of postdoctoral research positions become available from time to time. Appointments are funded through research grants awarded to faculty members and usually are for 1 year, sometimes renewable. For a list of faculty members who have postdoctoral positions available, write, but do not send applications, to:

Administrative Assistant
9 Kirkland Place
Cambridge, Massachusetts 02138

FELLOWSHIPS

POSTDOCTORAL RADIATION ONCOLOGY FELLOWSHIPS FOR M.D.'s available immediately. Established Special Radiation Cancer Center at University Medical Center in Kentucky Blue Grass Region. Training in radiation oncology, neutron therapy, and related medical physics and radiobiology with emphasis on radiation therapy. Program funded by NCI as Special Cancer Center. Postdoctoral training for qualified U.S. citizens. Training leads to certification by American Board of Radiology. Inquiries to: **Chairman, Department of Radiation Medicine, University of Kentucky Medical Center, Lexington, Kentucky 40536, telephone 606-233-6486.**

POSTDOCTORAL FELLOWSHIPS IN ENVIRONMENTAL TOXICOLOGY are available immediately. These positions are funded by an institutional award from the National Institute of Environmental Health Sciences, NIH. Major areas of research training are in heavy metal toxicology, renal, pulmonary and neurobehavioral toxicology and chemical carcinogenesis, mutagenesis and teratology. The program is offered in the Department of Environmental Health, which also has active research and training programs in closely allied areas such as occupational medicine, biostatistics, epidemiology, and industrial hygiene. Collaborative research with staff in these programs as well as with faculty of other departments is extensive. The positions are open to U.S. citizens and permanent residents who have Ph.D. or equivalent degrees, preferably in chemistry or a basic biomedical discipline other than toxicology. Send curriculum vitae with three references and specific area of interest to: **Dr. P. B. Hammond, Department of Environmental Health, University of Cincinnati Medical Center, Cincinnati, Ohio 45267, telephone: 513-872-5747. The University is an Affirmative Action/Equal Opportunity Employer.**

COGNITIVE SCIENCE. The Center for Cognitive Science at the University of Texas at Austin invites applications for **postdoctoral fellowships** in cognitive science for 1979-1980. The fellowships will carry an annual stipend of \$15,000, beginning 1 September 1979 or later. Interested applicants from any quarter of cognitive science should send curriculum vitae, a brief statement of interests, and three letters of recommendation to: **Dr. Philip B. Gough, Co-Director, Center for Cognitive Science, Mezes 320, University of Texas at Austin, Austin, Texas 78712. An Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL FELLOWSHIP CARDIAC ELECTROPHYSIOLOGY

A fellowship in cardiac electrophysiology is available at the Likoff Cardiovascular Institute. Ph.D. or M.D. required. The area of research encompasses both cellular and in situ cardiac electrophysiology in experimental myocardial ischemia, antidysrhythmic drug therapy, and electrophysiological mechanisms underlying sudden death. Stipends are commensurate with previous experience. Interested candidates should send curriculum vitae to:

Gary J. Anderson, M.D.
Likoff Cardiovascular Institute
Hahnemann Medical College and Hospital
230 North Broad Street
Philadelphia, Pa. 19102

POSTDOCTORAL RESEARCH FELLOWSHIPS in experimental hematology available under National Research Service Award. Programs in: (i) control of human globin synthesis and globin gene structure, (ii) hemostasis and fibrogen structure, and (iii) tumor immunology and leukocyte physiology. Send curriculum vitae to: **R. F. Rieder, M.D., Division of Hematology and Oncology, State University of New York-Downstate Medical Center, 450 Clarkson Avenue, Brooklyn, N.Y. 11203. An Affirmative Action/Equal Opportunity 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.**

FELLOWSHIPS

POSTDOCTORAL POSITIONS IN ADRENERGIC RECEPTOR RESEARCH. Two positions available 1 September 1979. The first position will involve an investigation into the relationship between PMN β -receptor concentrations, glucocorticoids, and asthma. The second position will involve the large-scale purification of cardiac β -adrenergic receptors. Applicants should send curriculum vitae and names of three references to: **Dr. J. Craig Venter, Department of Pharmacology and Therapeutics, State University of New York at Buffalo, School of Medicine, 127 Farber Hall, Buffalo, N.Y. 14214. An Equal Opportunity/Affirmative Action Employer.**

FELLOWSHIPS IN THE RHEUMATIC DISEASES

The Arthritis Foundation is offering Senior Fellowship Awards in medical sciences and clinical disciplines related to arthritis. The awards are limited to M.D.'s, Ph.D.'s and D.O.'s. Annual stipend is \$25,000 per year for 5 years.

Deadline for receipt of applications is 1 October 1979 for awards to begin 1 July 1980.

For application forms, write to: **Research Department, Arthritis Foundation, 3400 Peachtree Road, NE, Atlanta, Ga. 30326.**

POSTDOCTORAL FELLOWSHIPS

Postdoctoral fellowships, beginning immediately at Michigan State University, are available for applicants with interests in a variety of aspects of experimental parasitology. Participating faculty members from the Colleges of Human Medicine, Veterinary Medicine, Osteopathic Medicine, and Natural Science have active research programs in the biochemistry, immunology, pharmacology, and immunopathology of helminthic and protozoal diseases, and the biology of vectors of parasitic organisms. Interdisciplinary projects and experiences are encouraged. Applications are invited from persons with Ph.D., D.V.M., M.D., or D.O. degrees. Send curriculum vitae and names and addresses of two references to: **Jeffrey F. Williams, Parasitology Research Group, Room A-15 Veterinary Clinical Center, Michigan State University, East Lansing, Michigan 48824. An Equal Opportunity Employer.**

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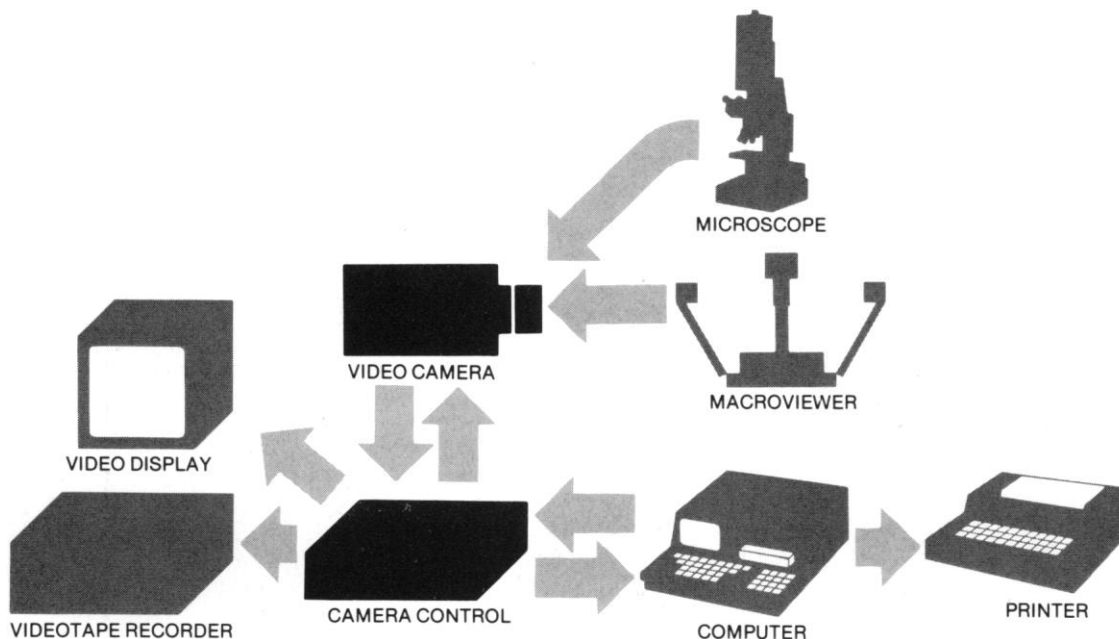
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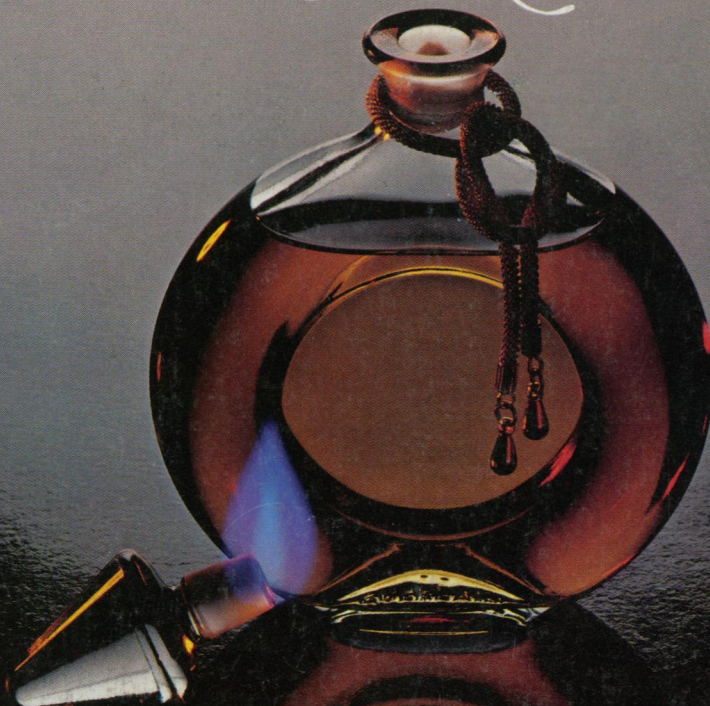
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