

Personnel Placement

Only those employers and individuals who do not discriminate on the basis of race, sex, religion, age, color, or national origin should submit Personnel Placement advertising.

POSITIONS WANTED: 40¢ per word; use of Box Number counts as 10 additional words. Minimum charge \$10. Prepayment required. This rate applies to individuals only; personnel agencies, companies, colleges, and universities take display rate for all advertising.

DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH): \$130 per inch, minimum, per insertion (1 inch is equivalent to 11 lines of 52 spaces each). Ads over 1 inch billed to nearest quarter inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information must accompany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3-½ weeks before issue date (Friday of each week) requested. Send copy for all positions wanted ads and display ads under 5 inches to:

SCIENCE, Room 207
1515 Massachusetts Ave., NW
Washington, D.C. 20005

Send copy for display ads, 1/6 page and larger, to:

Scherago Associates, Inc.
11 West 42nd Street
New York, N.Y. 10036

BLIND AD replies should be addressed as follows:

Box (give number)
SCIENCE
1515 Massachusetts Ave., NW
Washington, D.C. 20005

POSITIONS WANTED

Agronomist. Ph.D. 1972. M.S. organic chemistry. NIH postdoctoral. Familiar with most analytical techniques. AA, emission-spectroscopy, UV, IR, GC, and NMR. Pesticide, water, environmental chemicals and trace elemental analysis, metabolite identification, soil testing, and plant analysis. No agencies. Relocate. Seeks immediate industrial or academic position. Box 346, SCIENCE. X

Biochemist. Ph.D. Postdoctoral experience. Publications. Strong background in analytical and organic. Extensive experience in analytical methods development, protein chemistry, GLC, chromatographic separations. Seeks challenging academic or research position. Box 347, SCIENCE. X

Biochemist-Molecular Biologist. Ph.D.; 10 years of teaching and research experience; publications; training in biochemical pharmacology, cancer, and plasmids research. Seeks academic and/or research position, industry/government. Box 348, SCIENCE. X

M.S. Biology. Interested in immunology, tissue culture, virology, and biochemistry. Desires research position at junior level. Telephone B. Rudo at 215-438-4140; write 5740 Wissahikion Avenue, Philadelphia, Pennsylvania 19144. 7/30; 8/6

Clinical Biochemist: Ph.D., specialist in chemistry (ASCP). Many years of postdoctoral training in endocrinology. Broad experience in clinical laboratory service. Development and research experience in RIA, bioassay, receptor binding, hormone action, enzyme induction and purification, with many publications. Seeks supervisory position in clinical laboratory with research/teaching opportunity. Box 324, SCIENCE. X

Developmental Biologist/Teratologist: doctorate; teaching/research experience; publications in reproduction, experimental embryology, environmental studies; seeks teaching/research position in gross anatomy, embryology, ecology, biology, epidemiology. Serious offers abroad considered. Box 333, SCIENCE. X

Fishery Biologist: M.S. in population and fishpond ecology. Ph.D. 1976 in fish nutrition. Training in fish culture management, biochemical fish development and nutrition. Experience in artificial propagation of poikilotherms. Publications. Desires research/teaching position. Box 349, SCIENCE. X

POSITIONS WANTED

Ex-Columbia professor in **Medical Science** seeks position with foundation or similar organization. East Coast preferred. Box 335, SCIENCE. 7/30; 8/6

Neurobiologist/Biophysicist. Ph.D. 1973, U.S. citizen, presently employed in Europe, seeks university or R & D position in the United States beginning September 1977. Research experience in neurophysiology, axoplasmic transport, C-fiber ultrastructure and biochemistry, laser influences on biological material, especially UV-laser microsurgery on neuronal tissue culture. Box 350, SCIENCE. X

Neuroscience-Psychobiology. Ph.D. Associate professor, medical school. Research grants, publications, teaching. Administrative experience. Desires people-oriented position. Foundation, industry, academic setting. Box 351, SCIENCE. X

Ruminant Nutritionist. Ph.D. (1967). Two years of academic experience; 7 years of industrial technical sales and management. Desires academic or extension position. Box 352, SCIENCE. X

Water Resources Specialist. Ph.D., University of California, Berkeley, 1976. Desires research/analyst position. Background in urban/rural water supply, lakes and lake problems, river basin studies. Box 353, SCIENCE. X

POSITIONS OPEN

ANALYTICAL CHEMIST

B.S. or M.S. Experience with instrumentation, especially electronics. Preferably with experience in mass spectrometry. Send curriculum vitae to **Box 354, SCIENCE.** An Equal Opportunity Employer.

ANATOMY-PATHOLOGY

The Departments of Anatomy and Pathology of the Texas Chiropractic College invite applications from competent Ph.D.'s in the above disciplines. Send résumé and references to **Texas Chiropractic College, 5912 Spencer Highway, Pasadena, Texas 77505.**

TWO ASSISTANT PROFESSORSHIPS in (i) cellular immunology and (ii) molecular evolution or hormone action or the area of DNA structure and synthesis, available immediately. Two or 3 years of postdoctoral experience in specialty essential. Must have ability to maintain independent research program, to teach own specialty to undergraduates and graduates, as well as to participate in basic courses. Please indicate in which area you wish to be considered. Submit curriculum vitae, including bibliography, statement of research interests, teaching background, and four referees from whom references may be obtained to: **Dr. O. P. Bahl, Director, Division of Cell and Molecular Biology, 102 Cary Hall, State University of New York at Buffalo, Buffalo, New York 14214.** Applications close 15 September.

State University of New York at Buffalo is an Equal Opportunity and Affirmative Action Employer.

ASSISTANT PROFESSORSHIPS IN CELLULAR IMMUNOLOGY, ANIMAL VIROLOGY, PLANT BIOLOGY, AQUATIC BIOLOGY, AND DEVELOPMENTAL BIOLOGY

A rapidly growing, well-equipped modern department of biological sciences located in the hills outside Baltimore is seeking scientists with postdoctoral research experience who have demonstrated their ability to initiate vigorous research programs and have a commitment to quality graduate and undergraduate teaching. Appointments are contingent upon availability of state funds. Submit curriculum vitae, bibliography, names of suggested referees, and a description of research interests to: **Dr. Thomas F. Roth, Chairman, Search Committee, Department of Biological Sciences, University of Maryland Baltimore County, Catonsville, Maryland 21228.** An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT PROFESSORS Department of Biology

The University of Virginia is seeking candidates for two openings at the assistant professor level to begin September 1977. One of these positions will be in the area of neurobiology, the specific subspecialty being open. For the second position, primary consideration will be given to the areas of developmental, cellular, and molecular biology, and persons with backgrounds in animal, plant, or microbial systems are encouraged to apply. Postdoctoral research experience is essential for both positions. The last date for receipt of applications is 1 November 1976. Candidates should send a curriculum vitae and must arrange for three letters of recommendation to be sent to **Dr. O. L. Miller, Jr., Chairman, Department of Biology, Gilmer Hall, University of Virginia, Charlottesville, Virginia 22901.** An Affirmative Action/Equal Opportunity Employer.

THE UNIVERSITY OF MICHIGAN Assistant, Associate, or Full Professor and Director, Nuclear Pharmacy

Position available in the Departments of Internal Medicine and Pharmacy. Candidate must have a Ph.D. in nuclear pharmacy. Send résumé to **William H. Beierwaltes, M.D., W5533 Hospital, Department of Internal Medicine, University of Michigan, Ann Arbor, Michigan 48109.** Code #800DO. A Non-discriminatory, Affirmative Action Employer.

The Department of Astronomy of the Ohio State University expects to have a **VISITING ASSISTANT PROFESSOR** position open for the 1976-77 academic year, with the possibility of renewal for an additional year. Interested persons should submit a curriculum vitae, bibliography, summary of current and future research plans, and names of three references to: **Dr. Arne Slettebak, Chairman, Department of Astronomy, The Ohio State University, 174 West 18 Avenue, Columbus, Ohio 43210.** An Equal Opportunity/Affirmative Action Employer.

ASSOCIATE IN BIOLOGY (September 1976), 100 percent, temporary 9-month appointment only. Duties: supervise Genetics Clinic and graduate student T.A.'s; supplementary lectures; introduce innovative teaching and learning methods; assist in preparing/grading exams, homework assignments; handle one or two recitation sections weekly. Applicant must have Ph.D. in genetics and previous lecture/lab teaching experience in genetics. Send curriculum vitae, bibliography, and names of references to **Chairman, Department of Biology B-022, University of California, San Diego, La Jolla, Calif. 92093.** (Do not send reprints or letters of reference until requested.) The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ASSOCIATE UNIVERSITY DEAN FOR GRADUATE EDUCATION AND RESEARCH
This is a staff position which reports to the University Dean for Graduate Education and Research. Desired qualifications include interest in university administration, an earned doctorate, and teaching and research experience in the humanities or social sciences commensurate with a senior-level faculty appointment. The position is open. The Search Committee is now accepting and considering applications and nominations. Please send information to: **Dr. Albert C. Yates, University Dean, University of Cincinnati, Cincinnati, Ohio 45221.** The University of Cincinnati is an Equal Opportunity Employer.

COMPARATIVE PATHOLOGIST: M.D., or D.V.M. with Ph.D. Pathology Board or ACVP eligibility or certification desirable. Experience in rodent pathology, carcinogenesis, clinical pathology, immunology, histochemistry, autoradiography, or electron microscopy helpful. Duties include: (i) involvement in multidisciplinary projects with some individual research time available, (ii) participation in histopathologic examination of tissues from rodents involved in carcinogenic, mutagenic, and teratogenic studies, (iii) teaching, (iv) involvement in graduate and undergraduate education, and (v) involvement in interdisciplinary graduate toxicology program. Excellent clinical pathology and electron microscopy support. Salary commensurate with qualifications/experience. Send résumé to **Project Director, Pathology Services Project, National Center for Toxicological Research, Jefferson, Arkansas 72079.** Equal Opportunity Employer.

POSITIONS OPEN

BIOCHEMIST/MICROBIOLOGIST POSTDOCTORAL POSITION

Available September 1976, for 2 to 3 years. Experience in mitochondrial bioenergetics, ion transport, membranes. Interest in biological mineralization, electron microscopy, structure-function. Participate in established program investigating silicon role in biological processes and mineralization. Salary \$11,580 to \$13,368 per year. Send curriculum vitae, reprints, and three reference letters to **Dr. B. E. Volcani, Scripps Institution of Oceanography, University of California, La Jolla, Calif. 92093.**

Affirmative Action/Equal Opportunity Employer

Small state liberal arts college in the Berkshire Hills of Massachusetts offering degrees in biology and medical technology seeks a **Ph.D. IN BOTANY** with a background in animal development. Teaching responsibilities include courses in plant morphology and developmental biology (animal and plant). Rank up to assistant professor. Please send résumé and appropriate supporting documents to: **Dr. Fred Johns, Chairman, Biology Department, North Adams State College, North Adams, Mass. 01247.** *An Equal Opportunity/Affirmative Action Employer.*

Ph.D. CELL BIOLOGIST. Strongly oriented in anatomy and ultrastructure. Experienced in both TEM and SEM. Some teaching and training duties required. Service to toxicologic research and rodent pathology. Principal involvement in multidisciplinary projects with some individual time available. Philips EM 201, EM 301, and JSM 35 SEM. Involvement in routine TEM, SEM, negative staining, EM histochemistry, and electron probe analysis. Salary commensurate with experience. Send curriculum vitae to **Pathology Services Project, Mail Code 16, National Center for Toxicological Research, Jefferson, Arkansas 72079.** *Equal Opportunity Employer.*

DEPUTY DIRECTOR FOR FORENSIC SCIENCE

Deputy Director of Division of Consolidated Laboratory Services is responsible for providing laboratory services used by all law-enforcement agencies in Virginia. Performs management and administrative duties of the State Forensic Laboratory Services and regional forensic laboratories. Duties are of unusual difficulty and are performed under general directions. Responsibility of supervising the work of the staff of toxicologists, forensic scientists, chemists, and other laboratory personnel. Requires a Ph.D. from an accredited college in one of the natural sciences and 5 years of laboratory work and administration of which 3 years must have been served supervising the activities of a laboratory engaged in performing physical or chemical tests on a wide variety of materials and substances for scientific crime detection purposes. Equivalent combinations of training and experience may be acceptable, so long as no substitution is made for a master's degree in one of the natural sciences or forensic science. Résumés must be received by the **Virginia Personnel Recruitment Supervisor, P.O. Box 654, Richmond, Va. 23205** by 15 August 1976. *An Equal Opportunity Employer.*

DIRECTOR OF PROFESSIONAL AFFAIRS. Progressive northern New Jersey community hospital seeks Board-certified or -eligible internist for full-time salaried position. Duties include administrative and teaching responsibilities in newly established internal medicine training program. Direct inquiries to: **Box 343, SCIENCE.**

An Equal Opportunity Employer

DIRECTOR, HLA TYPING LABORATORY

Ph.D. or M.D. to establish and direct an HLA typing laboratory for the North Carolina Memorial Hospital. Applicant must have research experience in immunogenetics and tissue typing and should be able to compete for research grants in the general area of immunogenetics. An appointment as assistant professor of bacteriology and immunology and research space is available to the appointee. Send curriculum vitae and three letters of recommendation to:

**Dr. Laurence R. McCarthy
Department of Hospital Laboratories
North Carolina Memorial Hospital
Chapel Hill, North Carolina 27514**

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

DIRECTOR MIT PLASMA FUSION CENTER

MIT has established a Plasma Fusion Center to serve as an intellectual and administrative focal point for work in plasma physics and in fusion. A major theme will be magnetic confinement research. MIT invites nominations and applications for the position of director, Plasma Fusion Center. Candidates and nominees should be qualified for the academic rank of professor and must be recognized leaders in plasma fusion research with research administration abilities. Responses, including résumés and references, should be addressed to:

**Dr. James W. Meyer
Room 3-137
Massachusetts Institute of Technology
Cambridge, Massachusetts 02139
Telephone: 617-253-3403**

DIRECTOR OF CANCER RESEARCH CENTER

The Cancer Research Center of Columbia, Missouri, invites applications and nominations with curriculum vitae for the position of director. Basic science/administration background preferred. Senior candidate with M.D. and/or Ph.D. degree of professorship level necessary. Primary area of development to be basic science—oncology related. Early responses will receive prompt review. Deadline date of response is 31 August 1976. Write to:

**Ned D. Rodes, M.D.
Breast Demonstration Project
Cancer Research Center
Columbia, Missouri 65201**

An Equal Opportunity/Affirmative Action Employer

The Arizona-Sonora Desert Museum seeks a **DIRECTOR** to take full responsibility for planning and developing programs and facilities and for day-to-day operations according to policies established by a Board of Trustees and, in association with the Trustees, for providing necessary funding. Doctoral degree in one of the natural sciences preferred and at least a master's degree required, with at least 7 years of progressively more responsible experience in institutional management. Compensation according to age, training, and experience. Decision desirable by 31 December 1976. Reply to **Arizona-Sonora Desert Museum, P.O. Box 5607, Tucson, Arizona 85703.** Attention: Chief Administrative Officer.

The University of California, Irvine, Department of Pathology is recruiting for a **FACULTY POSITION** at the professor level. Candidates must be M.D.'s and be Board-qualified. Experience in teaching hospitals is desirable. Teaching responsibilities involve instructing medical students, interns, and residents. Service experience in surgical, cytology, autopsy, forensic pathology, renal pathology, pediatric pathology, and neuropathology is a necessary prerequisite. Responsible for administrative duties related to autopsy pathology services. Expected to develop independent research activities.

Applications from all qualified candidates are welcome. Minorities and women are encouraged to apply. Send curriculum vitae by 30 September 1976 to:

**Dr. Edward R. Arquilla
Department of Pathology
University of California, Irvine, Medical Center
101 City Drive South
Orange, California 92668**

DEPARTMENT HEAD

Administrative position for a Department of Forestry with 30 faculty members, more than 300 undergraduate students, and graduate programs leading to the M.S. and Ph.D. degrees, and with a large commitment to research.

Qualifications include the terminal degree in forestry or a related discipline and demonstrated success in teaching and research.

Write for details or send application materials including three references and a résumé of professional background and activities by 1 September 1976 to:

**Dr. R. Dennis Rouse
Dean and Director
School of Agriculture and
Agricultural Experiment Station
Auburn University
Auburn, Alabama 36830**

Auburn University is an Equal Opportunity Employer.

POSITIONS OPEN

The Department of Biology of Yale University expects to fill several positions during 1976-77.

Senior (tenured) faculty will be sought in the areas of **molecular biology/biochemistry, molecular genetics,** and two in **ecology/population biology.**

In addition, assistant professorships will be open in the **molecular basis of hormone action, evolutionary biology,** and possibly **cell biology.**

Duties will include participation in both undergraduate and graduate teaching and the development of a strong research program.

Send curriculum vitae, résumé of past and present research, and names of three references to: **Executive Secretary, Department of Biology, 732 Kline Biology Tower, Yale University, New Haven, Connecticut 06520.**

Yale University is an Equal Opportunity/Affirmative Action Employer. We invite applications from all qualified individuals, especially women and members of minority groups.

FACULTY POSITION

An assistant professor position will be open on 1 September 1976 for an individual to direct new Scanning Electron Microscope Laboratory and offer formal instruction in use of the microscope and associated equipment. Equipment consists of a JEOL 35 microscope, a nuclear semiconductor x-ray energy-dispersive microprobe, and a Tracor Northern computer for analysis of data. Applicants must have Ph.D. with extensive training and experience in SEM, in electronics, nuclear physics, analytical chemistry, higher mathematics, and computer technology. Salary is within University guidelines and will depend on qualifications. Send curriculum vitae, bibliography, and three reference letters to: **Dr. Edward G. Rennels, Chairman, Department of Anatomy, The University of Texas Health Science Center, San Antonio, Texas 78284.**

An Equal Opportunity/Affirmative Action Employer

MOLECULAR BIOLOGIST OR BIOCHEMIST wanted to participate in ongoing studies of the pathways and controls of protein synthesis in mammalian epidermis and hair root cells. Salary and appointment level are dependent upon training and experience of individual. Please send a curriculum vitae and list of three potential references to **Irwin M. Freedberg, M.D., Department of Dermatology, Harvard Medical School, Beth Israel Hospital, 330 Brookline Avenue, Boston, Mass. 02215.** *Harvard Medical School is an Affirmative Action/Equal Opportunity Employer.*

PHARMACOLOGY

Applications are invited for three faculty openings in neuropharmacology, cardiovascular pharmacology, or immunology. Candidates must hold the Ph.D. or M.D. degrees, have at least 2 years of postdoctoral research experience, and have published high-quality research. Responsibilities will include teaching pharmacology to medical students, teaching graduate students (Ph.D. or M.D.-Ph.D.), supervising research training, and conducting a strong independent research program. Salary and academic rank to full professor will be commensurate with academic credentials. *Case Western Reserve University is an Affirmative Action/Equal Opportunity Employer encouraging applications from members of minority groups and women.* Interested individuals should apply to **Leslie T. Webster, Jr., M.D., John H. Hord Professor and Director, Department of Pharmacology, Case Western Reserve University School of Medicine, 2119 Abington Road, Cleveland, Ohio 44106.**

SOUTHERN RESEARCH INSTITUTE PHARMACOLOGIST

Applications are invited for a full-time position in the Biochemical Pharmacology Division for a well-trained person interested in committing his/her efforts to study of the pharmacology of anticancer drugs. The work involves development of assays for such drugs and determination of their distribution, pharmacokinetics, and metabolism.

Applicants should have a Ph.D. in pharmacology and two or more years of postdoctoral experience.

Please send recent curriculum vitae and salary requirements to:

**Personnel Office
Southern Research Institute
2000 Ninth Avenue South
Birmingham, Alabama 35205**

An Equal Opportunity Employer, M/F

POSITIONS OPEN

FOOD AND DRUG ADMINISTRATION (FDA) BUREAU OF DRUGS WASHINGTON, D.C.

MANAGERIAL POSITION: We are seeking candidates for the position of director, Division of Drug Biology, in our Pharmaceutical Research and Testing activities. The director is responsible for planning, conducting, and managing basic and applied research investigations on the nature and properties of drugs and hormones, considering their effects in biological systems and in testing for potency of drugs. Opinions and research investigations support FDA decisions regarding the safety of drugs marketed in the United States.

Candidates must possess an advanced degree (that is, M.D., Ph.D., and so forth) or equivalent achievement, preferably in one of the biological sciences, and experience in managing a biomedical research organization. Research experience in cell physiology with specific emphasis on molecular biology is essential.

Salary: \$36,338 to \$37,800 per annum (dependent upon qualifications).

Send curriculum vitae and bibliography to:

**Food and Drug Administration
Personnel Operations Branch, FB-8
200 C Street, SW—Room 1825
Washington, D.C. 20204**

FDA is an Equal Opportunity Employer.

POSTDOCTORAL FELLOW (RESEARCH ASSOCIATE) IN NEUROMUSCULAR PHYSIOLOGY: position available immediately for M.D. and Ph.D. experienced in intracellular recording techniques, instrumentation, and computer analysis of neuromuscular transmission. Call or write:

**Dr. Donald B. Sanders
Department of Neurology
P.O. Box 147
University of Virginia School of Medicine
Charlottesville, Va. 22901
Telephone: 804-924-5361**

INSTITUTE DIRECTOR

The Illinois Department of Mental Health and Developmental Disabilities and the University of Illinois at Chicago Circle invite applications for the position of director, Illinois Institute for Developmental Disabilities. This Institute (formerly the Illinois State Pediatric Institute) is a special, nonresidential facility in the Illinois Department which includes director and professor in a new center for training and research in developmental disabilities, to be operated jointly by both the Illinois Department of Mental Health and Developmental Disabilities and the University of Illinois' Chicago Circle and Medical Center campuses. The candidate should have an outstanding professional record in developmental disabilities, including clinical, training, and scholarly activities. His/her specialty may be in a behavioral or biological science, or in medicine. The candidate must have demonstrated leadership abilities. The position requires a major commitment to clinical, training, and research program development in relation to the participating organizations.

Located in Chicago. Salary range of \$40,000 to \$50,000; negotiable, according to qualifications. Applications with pertinent biographical information should be sent to

**Peter K. Levison, Ph.D.
Research and Development Program Advisor
Illinois Department of Mental Health
and Developmental Disabilities
Room 1500
160 North LaSalle Street
Chicago, Illinois 60601**

by 30 September 1976.

The Illinois Department of Mental Health and Developmental Disabilities and the University of Illinois are Equal Opportunity/Affirmative Action Employers. We welcome applications from minority and women candidates.

POSITIONS OPEN

IMMUNOCHEMIST

Opening at assistant professor level at Yale University School of Medicine for M.D. or Ph.D. to pursue active research and participate in an active teaching program. Interested applicants should send curriculum vitae to:

**Richard K. Gershon, M.D.
Department of Pathology
Yale University School of Medicine
310 Cedar Street
New Haven, Connecticut 06510
An Equal Opportunity Employer**

TENABLE AT THE JET PROPULSION LABORATORY CALIFORNIA INSTITUTE OF TECHNOLOGY

Opportunities exist at the Jet Propulsion Laboratory for recent or imminent doctoral graduates to participate in an ongoing program of high-resolution astronomical infrared spectrometry. (Awards will be made on a competitive basis.) The principal instrumentation employed is a 1- to 6-micron Connex-type Fourier spectrometer at the 2.7-meter telescope of the McDonald Observatory, University of Texas. Although the program (operated jointly with the University of Texas at Austin) covers both late-type stars and planets, preference will be given to applicants interested in solar system astronomy.

Further details on the research program can be obtained from:

**Dr. Reinhard Beer
Jet Propulsion Laboratory
4800 Oak Grove Drive
Pasadena, California 91103**

General information and application materials can be obtained from:

**National Research Council
Associateship Office (JH606-J)
2101 Constitution Avenue, NW
Washington, D.C. 20418**

POSITIONS OPEN

PATHOLOGIST, OR BIOENGINEER with Ph.D. Academic research position available in fall 1976 for investigator with publications and/or high research potential to conduct studies of bone. Aptitude in applied mathematics essential. Rank and salary dependent upon qualifications. *Female and minority candidates are encouraged to apply.* Send applications to **Dr. D. Baylink, VA Hospital, 4435 Beacon Avenue South, Seattle, Washington 98108.**

POSTDOCTORAL POSITION—to be filled before 1 July 1977. Research on the eye and visual system. Program includes biophysics, biochemistry, histochemistry, electrophysiology, and psychophysics. Beginning salary range \$10,000 to \$13,200. Send résumé and letters of recommendation to: **Dr. H. G. Sperling, University of Texas Graduate School of Biomedical Sciences, Sensory Sciences Center, 6420 Lamar Fleming Boulevard, Houston, Texas 77025. An Equal Opportunity Employer.**

RESEARCH ASSISTANT. Entry level position requiring B.S. in chemistry, biology, or biochemistry available after 31 August 1976. Duties include protein purification, enzyme assays, and/or electron microscopy. Some previous experience helpful. Possibility of part-time graduate study. Send letter and résumé to **Dr. N. M. Tooney, Department of Chemistry, Polytechnic Institute of New York, 333 Jay Street, Brooklyn, New York 11201.**

RESEARCH ASSOCIATE—IMMUNOLOGY

Immediate opening for recent Ph.D. with background in cellular immunology and protein purification to work on maternal-fetal interaction in the human. Salary to \$15,000. Send curriculum vitae and two reference letters to **Dr. Bruce S. Rabin, Department of Pathology, Scaife Hall, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania 15261. An Equal Opportunity/Affirmative Action Employer.**

ASSOCIATE DEPUTY ASSISTANT ADMINISTRATOR FOR AIR, LAND, AND WATER USE

The U.S. Environmental Protection Agency (EPA) is seeking an Associate Deputy Assistant Administrator for Air, Land, and Water Use within the Office of Research and Development. The Office is responsible for: planning, managing, and evaluating a comprehensive research program for the management of pollution and other deleterious environmental impacts from agricultural and community sources including municipal waste waters; the disposal and management of hazardous and other waste materials; the provision of safe drinking water supplies; the determination of relationships between pollution sources and the quality of air and water; the development of new methods and instruments for detecting, identifying, and characterizing pollutants in all media; and the development of practical means for implementing environmental control strategies. Candidates must have a bachelor's or higher degree in physical science, engineering, or mathematics that included 24 semester hours in physical sciences and/or closely related engineering science such as mechanics, dynamics, properties of materials, and electronics; or equivalent combination of 4 years of experience and education that included 24 semester hours of physical science and/or closely related engineering science. In addition, at least three or more years of professional experience, including managing a scientific or technical group, are required. One year of the required experience must have been at a level of difficulty comparable to the next lower level in the federal service.

Location: Washington, D.C.

Salary range: \$36,338 to \$37,800 plus civil service benefits.

Contact: please send a detailed résumé including salary history or a completed Standard Form 171 (Personal Qualifications Statement), which can be obtained from any federal government personnel office, to reach EPA no later than 2 September 1976 to: **Edna Morse (PM-212), Personnel Management Division, Environmental Protection Agency, 401 M Street, SW, Washington, D.C. 20460.**

An Equal Opportunity Employer

Deputy Director

The New Mexico Bureau of Mines and Mineral Resources, a division of New Mexico Institute of Mining and Technology, seeks a Ph. D. in geology/mineral sciences to serve as Deputy Director.

To qualify for this opening you must have administrative experience, knowledge of New Mexico mineral resources and geology, the ability to communicate, experience in overseeing applied research projects, and an unabashed personality. Besides administration, this position involves participation in various advisory and regulatory boards requiring knowledge of energy materials. Salary range in middle \$20K. No consulting privileges; personal research limited.

If you are qualified and interested in this excellent opportunity, apply to: Director

**New Mexico Bureau
of Mines and
Mineral Resources
Campus Station
Socorro, New Mexico 87801**

*an equal opportunity/affirmative
action employer m/f*

POSITIONS OPEN

QUANTITATIVE FISHERIES BIOLOGIST/ BIOSTATISTICIAN

Ecosystems Department, Battelle Pacific Northwest Laboratories, invites applications from Ph.D. or equivalent scientists, for the position of research scientist. Applicants should possess a good background in biostatistics and probability theory, be thoroughly familiar with fisheries management (surplus yield, stock recruitment, and so forth) models and be interested in applying them toward improving methods of predicting environmental impact. A broad background and interest in developing impact evaluation techniques and criteria is desired. Knowledge of mark-recapture methods for estimating population size and familiarity with time series analyses, and applicability of species diversity indices will be looked on favorably. Interested candidates should send curriculum vitae, including list of publications, experience, and names of referees to **E. P. Galbraith, Manager-Employment, Pacific Northwest Laboratory, Division of Battelle Memorial Institute, P.O. Box 999, Richland, Washington 99352. An Equal Opportunity Employer.**

PHARMACOLOGISTS

VETERINARY PATHOLOGIST

Midwest Research Institute, a not-for-profit organization, offers excellent career opportunities in the rapidly expanding fields of pharmacology and toxicology.

DRUG METABOLISM

Experience in drug disposition, metabolism and pharmacokinetics; knowledge in analytical techniques essential.

BIOCHEMICAL PHARMACOLOGY

Experience in nucleic acid and protein biochemistry; knowledge of RNA/DNA hybridization and polyacrylamide gel electrophoresis technique desirable.

VETERINARY PATHOLOGY

DVM with strong background and interest in animal histopathology; board certification preferred.

Candidates with doctoral degrees preferred. Salaries are competitive and will be based on experience and training. Please send in complete confidence, resume with education, work experience and salary requirements to:

Martin N. Schuler
Manager, Staff Development



MIDWEST RESEARCH INSTITUTE
425 Volker Boulevard
Kansas City, Missouri 64110

An Equal Opportunity Employer M/F

POSITIONS OPEN

PROFESSOR AND HEAD, BIOCHEMISTRY

Applications are invited for the position of professor and head of the Department of Biochemistry, Louisiana State University Medical Center in New Orleans. Responsibilities include direction of teaching and research programs in medicine, dentistry, nursing, and allied health as well as promotion of an active M.S. and Ph.D. program.

Applicants should submit curriculum vitae and any other supporting documents to **Dr. Gerald S. Berenson, Chairman, Biochemistry Search Committee, Louisiana State University School of Medicine, 1542 Tulane Avenue, New Orleans, La. 70112. Louisiana State University is an Equal Opportunity/Affirmative Action Employer.**

RESEARCH ENGINEER in the MIT Department of Mechanical Engineering. Will collaborate with faculty, physicians, and other staff in studies of human hip joint. Position is heavily oriented toward instrumentation and interfacing with computer for data acquisition and manipulation. Requires engineering competence based on education (master's degree or higher) and relevant experience as electrical or mechanical engineer, combined with strong applied electronics background. Candidates should have demonstrated capacity for innovation, design experience, and ability to co-prosecute long-term inquiries as well as short-range efforts. Please submit résumé to **Personnel Office, Massachusetts Institute of Technology, 400 Main Street, Cambridge, Mass. 02139. Attention Job No. D76-96. An Equal Opportunity/Affirmative Action Employer.**

DEPARTMENT OF ANATOMY AND CELL BIOLOGY UNIVERSITY OF PITTSBURGH SCHOOL OF MEDICINE

Applications are invited for a full-time **SENIOR DEVELOPMENTAL NEUROANATOMIST** from candidates with accomplishments in research and teaching of neuroanatomy. Applicants should preferably have both M.D. and Ph.D. degrees. Applicants should be prepared to establish a research program in the neurobiological field, and to fund this from extramural sources, after an initial period of departmental support. Please submit a curriculum vitae and an outline of research plans to:

Dr. Nikolajs Cauna, Chairman
Department of Anatomy and Cell Biology
830 Scaife Hall
University of Pittsburgh
Pittsburgh, Pennsylvania 15261

An Equal Opportunity/Affirmative Action Employer

The University of Texas Health Science Center at San Antonio, Department of Obstetrics and Gynecology, invites applications from **SOCIAL ANTHROPOLOGISTS AND SOCIOLOGISTS** at the instructor/assistant professor or equivalent level with the following qualifications. Applicants must have a Ph.D. in social anthropology or sociology, experience with regard to administering family planning programs, designing and implementing family planning evaluation systems, and conducting research in the area of fertility regulation. The individual should have postdoctoral training or experience in demographic, economic, and medical/biological aspects of fertility regulation. Competency in Spanish highly preferred. Title and rank dependent upon qualifications. Interested persons should send a letter of application, curriculum vitae, and names of three references to: **Carl J. Pauerstein, M.D., Department of Obstetrics and Gynecology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, Texas 78284. An Equal Opportunity/Affirmative Action Employer.**

SOLAR RESEARCH DIRECTOR—Program of R & D of solar heating and cooling components in new facility, Boulder City, Nevada. Ph.D. or equivalent experience in engineering physics, mechanical or electrical engineering. Training in optics of solar spectrum. Extensive experience in thermodynamics especially as applied to refrigeration. Some management experience and entrepreneurial experience in promoting contracts from government agencies and industry. Able to apply scientific information in innovative ways to develop usable solar energy equipment. Minimum starting salary \$30,000. Application deadline is 1 September 1976. Résumé to **President Lloyd P. Smith, Desert Research Institute, University of Nevada System, Reno, Nevada 89507. An Equal Opportunity/Affirmative Action Employer.**

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QUEEN ELIZABETH II

FELLOWSHIPS

PHYSICAL AND BIOLOGICAL SCIENCES

To commemorate the Royal Visit to Australia in 1963 the Australian Government established the Queen Elizabeth II Fellowships Scheme. Under this scheme up to ten fellowships may be awarded each year for full-time research by young scientists of exceptional promise and proven capacity for original work. These are postdoctoral awards tenable in an Australian university of approved research institution normally for 2 years. Tenure of a fellowship is expected to commence within 9 months of the announcement of the award.

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1. L.T. Williams and R.J. Lefkowitz, *Alpha-Adrenergic Receptor Identification by [³H] Dihydroergocryptine Binding*, *Science*, **192**, 791 (1976).



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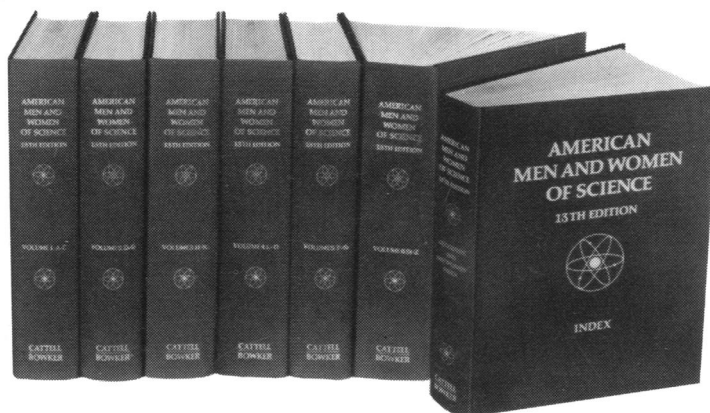
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