

Personnel Placement

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Positions Wanted: 40¢ per word; \$4 extra for use of box number. \$10 minimum charge, per insertion. Prepayment required. This rate is available only to individuals; personnel agencies, companies, colleges, and universities take display rate for all advertising.

Display (Positions Open, Market Place, and so forth): \$5.80 per millimeter; \$145 minimum charge, per insertion (covers 25 millimeters on single column; 25 millimeters equals 10 lines of 50 spaces per line). No charge for use of box number. No agency commission for ads under 103 millimeters (4 inches). No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information required for all other ads.

SCIENCE is published weekly, on Friday. Copy must be received in writing by Wednesday, 3½ weeks before Friday issue date required. 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
Telephone: 202-467-4456

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

Scherago Associates, Inc.
1515 Broadway
New York, N.Y. 10036
Telephone: 212-730-1050

Blind ad replies should be addressed as follows:

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

POSITIONS WANTED

Computer Science Consultant. B.S. in mathematics and 6 years of data processing software/hardware experience. Must relocate to Dallas, Texas, in early 1979. Box 285, SCIENCE. X

Consulting/Literature Searching: recent Ph.D. from Harvard. Successful synthetic natural products chemist now at leading university seeks part-time consulting and/or on-line literature searching situation. Send for curriculum vitae and information. Box 287, SCIENCE. X

Crystallographer: Ph.D. 1974, with postdoctoral experience; seeks permanent position working independently in x-ray crystallography. Box 278, SCIENCE. X

Immunologist. Ph.D. microbiology. Extensive experience in tumor immunology, tissue culture, cancer research. Strong background in biochemistry and laboratory techniques. Publications. Box 288, SCIENCE. 9/8, 15, 22

Entry-level position wanted immediately. Ph.D. **Pharmacologist/Organic Chemist.** Box 271, SCIENCE. X

Virologist. Ph.D. 1972. Major experiences in viruses (animal and plant), purification, characterization, tissue cultures, virus-cell interaction, macromolecular biosynthesis, nucleic-acid hybridization, and DNA-electron microscopy work. Seeks academic, government, industrial, or hospital position. Box 289, SCIENCE. X

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR in the Boston University Marine Program at the Marine Biological Laboratory, Woods Hole, to teach a graduate level course in physiology of marine animals and to coordinate a one-semester undergraduate program in marine science. Experience in research and teaching involving marine aspects desirable. Two years of postdoctoral experience preferred. Send curriculum vitae and three letters of reference by 6 October to: Dr. Arthur G. Humes, Director, Boston University Marine Program, Marine Biological Laboratory, Woods Hole, Massachusetts 02543.

Boston University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ACADEMIC PATHOLOGISTS WHO REALLY LIKE TO TEACH, AND ARE GOOD AT IT!

Several positions now open in new pathology department, at all levels. VA Hospital service affiliation, scholarly work encouraged. Very pleasant university city of 75,000; enthusiastic faculty, attractive benefits, competitive salaries, low taxes. Reply with curriculum vitae to:

Chairman, Department of Pathology
Marshall University School of Medicine
Huntington, West Virginia 25701

The University of California, San Francisco, is seeking an individual with demonstrated competence in **academic metabolism and endocrinology** to be employed at the **ASSISTANT PROFESSOR** level at the San Francisco VA Hospital. Position requires research expertise and productivity in any of the areas of metabolism: diabetes, carbohydrate or lipid metabolism, and/or mechanism or regulation of insulin or glucagon secretion. Qualified candidates will have demonstrated clinical excellence in diabetology and ability to teach this area both at bedside and in a didactic setting. Inquiries and curriculum vitae to: Marvin D. Siperstein, M.D., Metabolism Section (111-F), San Francisco VA Hospital, 4150 Clement Street, San Francisco, Calif. 94121. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSORS OF BIOCHEMISTRY (TWO). Excellence in graduate and professional teaching and ability to establish independent research program are essential. Preference for (1) physical biochemist with research experience in enzymology and (2) person with research experience in membranes or macromolecules other than nucleic acids. Please send curriculum vitae and references as soon as possible but not later than 1 November 1978 to: W. H. Horner, Chairman, Department of Biochemistry, Georgetown University Schools of Medicine and Dentistry, Washington, D.C. 20007. *Georgetown University is an Affirmative Action/Equal Opportunity Institution.*

ASSISTANT PROFESSOR, BOTANY

The Department of Biology, University of Virginia, is seeking candidates in the areas of molecular, cellular, or developmental botany for an assistant professorship for September 1979. Postdoctoral experience is highly desirable. By 1 November 1978, candidates should send curriculum vitae and summary of research plans and have three letters of recommendation sent to: L. I. Rebhun, Faculty Search Committee, Department of Biology, Gilmer Hall, University of Virginia, Charlottesville, Va. 22901. *An Affirmative Action/Equal Opportunity Employer.*

The Department of Psychology at Cornell University will have an opening for a new faculty member in the area of **perceptual and/or cognitive development**, beginning in fall 1979. The appointment will be at the level of **ASSISTANT PROFESSOR**.

The department welcomes applications from persons with active research interests in any aspect of perceptual or cognitive development. Applicants working in the area of perception in infancy are particularly welcome. A background sufficient to teach courses in perception would be desirable. Interested applicants should submit a complete curriculum vitae, reprints or preprints of completed research, and letters of recommendation sent directly from three referees to:

Perceptual/Cognitive Development Search Committee
Department of Psychology
Uris Hall
Cornell University
Ithaca, New York 14853

Cornell University is an Equal Opportunity/Affirmative Action Employer.

BIOCHEMIST—Senior postdoctoral position. Requires experience in enzyme purification and characterization. Position is for 1 year, although it may be renewable. Candidates should send curriculum vitae, including summary of pertinent experience, and names of three individuals who may be contacted for references, to: Dr. W. E. Barnett, Director, University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences, Biology Division, Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, Tenn. 37830. *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR, IN-RESIDENCE, CLINICAL CHEMISTRY

University of California, Irvine, Department of Pathology, is recruiting for faculty position at assistant professor level. Required: M.D., clinical Board-eligible/qualified, service experience in clinical chemistry, demonstrated interest in independent research. Duties: teach medical students and house staff, limited administrative responsibility in area of clinical chemistry. *All qualified candidates welcome; minorities and women encouraged to apply.* Send curriculum vitae and references to: H. Simpkins, M.D., Ph.D., Department of Pathology, University of California, Irvine, California 92717 by 23 October 1978.

ASSOCIATE DEAN FOR ADMINISTRATION—The Tufts University School of Veterinary Medicine invites applications for the position of associate dean for administration. This newly established school is conceived as an integral part of the Tufts University Schools of Medicine and Dental Medicine, the New England Medical Center Hospital, and a major nutrition research center at the Tufts Boston campus. It will also have its own large animal clinical facility in Grafton, Mass. The school plans to admit its first entering class in September 1979. The associate dean for administration will be responsible for the administrative development of the school. Position requirements include administrative experience at a veterinary school or other institution of higher education and the ability to develop new and innovative programs. The associate dean for administration will be expected to participate in research and teaching and will report directly to the dean. Send applications before 1 November to: Linda J. Lerner, Director of Personnel, TUFTS UNIVERSITY, 193 Harrison Avenue, Boston, Mass. 02111. *An Affirmative Action/Equal Opportunity Employer.*

ASSOCIATE DEAN FOR ACADEMIC AFFAIRS—The Tufts University School of Veterinary Medicine invites applications for the position of associate dean for academic affairs. This newly established school is conceived as an integral part of the Tufts University Schools of Medicine and Dental Medicine, the New England Medical Center Hospital, and a major nutrition research center at the Tufts Boston campus. It will also have its own large animal clinical facility in Grafton, Mass. The school plans to admit its first entering class in September 1979. The associate dean for academic affairs will be responsible for curriculum development and implementation and will aid in the development of research programs. The position requires academic experience in veterinary education or in other institutions of higher education. The associate dean for academic affairs will be expected to participate in research and teaching and will report directly to the dean. Send applications before 1 November to: Linda J. Lerner, Director of Personnel, TUFTS UNIVERSITY, 193 Harrison Avenue, Boston, Mass. 02111. *An Affirmative Action/Equal Opportunity Employer.*

BIOCHEMIST-INSECT VIROLOGIST. Postdoctoral position for Ph.D. in biochemistry with strong expertise in enzymology and protein chemistry and knowledge in insect virology. Employment from 1 October 1978 to 31 July 1979. Stipend: \$10,000 to \$14,000 per annum. Closing date for applications: 22 September 1978. *The University of California is an Equal Opportunity Employer.* Send curriculum vitae and names of three references to: Dr. Y. Tanada, Division of Entomology and Parasitology, 333 Hilgard Hall, University of California, Berkeley, Calif. 94720.

BIOCHEMIST—MOLECULAR BIOLOGY OF CONNECTIVE TISSUE. One-year appointment for research associate (adjunct instructor) beginning as soon as convenient. Challenging opportunity to work with energetic team of biochemists to do research on genes for collagen and related proteins with cDNA and other techniques, to manage some research laboratory, and to assist in teaching biochemistry to medical students.

Successful candidate must possess a Ph.D. in biochemistry; experience must include 1 or 2 years of work in appropriate areas of molecular biology.

Salary range: \$19,526 to \$22,088, depending on background and experience. Excellent benefits and working conditions.

Please submit résumé to: Department of Biochemistry, College of Medicine and Dentistry of New Jersey, Rutgers Medical School, P.O. Box 101, Piscataway, N.J. 08854. *Equal Opportunity/Affirmative Action Employer, M/F.*

POSITIONS OPEN

BIOSAFETY OFFICER opening for an individual with training and experience in biological safety. Should have strong background in microbiology and biohazard containment. Will be responsible for establishing and monitoring containment of microbial agents, chemical carcinogens and poisons, DNA recombinants, and proper disposal. Radiological safety and physical plant safety are *not* included in this position.

Individual will be responsible to the administration and will work closely with the Biohazards Committee and Office of Research.

Send curriculum vitae to: **Dr. Chester A. Gleiser, Chairman, Search Committee, Room BFB-3, The University of Texas System Cancer Center, M. D. Anderson Hospital and Tumor Institute, Texas Medical Center, Houston, Texas 77030. An Equal Opportunity/Affirmative Action Employer.**

CELL AND MOLECULAR BIOLOGISTS

Two tenure-track positions will be available in fall 1979 in the Division of Cell and Molecular Biology, Department of Biological Sciences, at the assistant professor level.

For one of the positions, we are seeking someone in the areas of DNA recombination or protein synthesis, and for the other position, someone in the area of cellular regulation or developmental biology.

Preference for one of the positions will be given to a person working with plants.

Applicants must have 2 to 3 years of postdoctoral experience in their area of expertise and the potential for setting up an independent research program.

To apply, submit curriculum vitae, including bibliography, statement of research interests, teaching background, and names of four referees from whom references may be obtained, to: **Dr. Harold L. Segal, Chairman, Search Committee, 109 Cooke Hall, State University of New York at Buffalo, Buffalo, New York 14260.**

Application deadline: 30 November 1978.

State University of New York is an Equal Opportunity/Affirmative Action Employer.

ECOLOGIST

A tenure-track position will be available in fall 1979 in the Division of Environmental and Organismal Biology, Department of Biological Sciences, at the assistant professor level.

We are seeking someone with a Ph.D. degree or equivalent in ecology, including physiological ecology.

Applicants must have 2 to 3 years of postdoctoral experience and the potential for setting up an independent research program.

To apply, submit curriculum vitae, including bibliography, statement of research interests, teaching background, and names of four referees from whom references may be obtained, to: **Dr. Kenton Stewart, Chairman, Search Committee, 109 Cooke Hall, State University of New York at Buffalo, Buffalo, New York 14260.**

Application deadline: 15 November 1978.

State University of New York is an Equal Opportunity/Affirmative Action Employer.

ENDOCRINOLOGIST

A tenured position will be available in fall 1979 in the Division of Environmental and Organismal Biology, Department of Biological Sciences, at the associate or full professor level.

We are seeking someone with an established reputation in the field of general endocrinology, neuroendocrinology, reproductive endocrinology, or comparative endocrinology.

This position requires extensive teaching and research experience. Candidate is expected to have an ongoing, well-defined, successful research program.

To apply, submit curriculum vitae, including bibliography, statement of research plans, teaching background, and names of four referees from whom references may be obtained, to: **Dr. O. P. Bahl, Chairman, Department of Biological Sciences, 109 Cooke Hall, State University of New York at Buffalo, Buffalo, New York 14260.**

Application deadline: 15 November 1978.

State University of New York is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

UNIVERSITY OF CINCINNATI COLLEGE OF MEDICINE FACULTY APPOINTMENT IN BIOLOGICAL CHEMISTRY

The department has recently moved into new, enlarged, and well-equipped facilities and is completing its program of staff expansion. One position is open at the assistant professor rank but an appointment may be made as associate professor, depending on experience.

All applicants should have at least 2 to 3 years of postdoctoral training, proven research ability, and experience and interest in teaching biochemistry. Applicants will be expected to develop independent research programs and supervise the training of Ph.D. candidates. In addition to fundamental research, excellent opportunities exist for collaboration with clinical colleagues on medically oriented problems. The department seeks an outstanding person with research interests and experience in one of the following areas: membranes; origin of antibody diversity; somatic cell genetics; and construction of recombinant molecules. These areas may be broadly interpreted; the qualifications and experience of the applicant will be given prime consideration.

Applicants should send a résumé and a detailed outline of future research plans to: **Dr. Harry Rudney, Director, Department of Biological Chemistry, College of Medicine, University of Cincinnati, Cincinnati, Ohio 45267.**

An Equal Opportunity Employer

BOTANIST (PLANT PHYSIOLOGY). Position for Ph.D. at State University College, Oneonta, N.Y., beginning September 1979. Duties include teaching introductory botany, plant physiology, and other areas of interest. Appointment will be for 1 year with opportunity for continuing appointment at the rank of instructor with a salary of \$10,500 to \$11,500. Position dependent upon budgetary approval. Reply with undergraduate and graduate transcripts, résumé, and three letters of recommendation by 1 February 1979 to: **Dr. John G. New, Chairman, Biology Department, State University College, Oneonta, N.Y. 13820. Telephone: 607-431-3344 or 3703. State University of New York is an Equal Opportunity/Affirmative Action Employer.**

University of California, Los Angeles (UCLA), School of Medicine, seeks appropriate candidates for the **DELLA MARTIN CHAIR IN PSYCHIATRY**, newly endowed professorship for distinguished academic psychiatrist (English-speaking, eligible California licensure) committed to research especially on major mental illnesses of adolescents and young adults. *Equal Opportunity/Affirmative Action Employer.* Send curriculum vitae, letter discussing career goals, and five references to:

**Arnold B. Scheibel, M.D., Chairman
Della Martin Search Committee
760 Westwood Plaza
Los Angeles, California 90024**

CHAIRMAN, Department of Natural Sciences, Florida State Museum. To administer research-oriented department of 12 curators in systematic biology. Research in any related field. Twelve-month position begins 1 July 1979. Application deadline: 1 November 1978. Name three references and send curriculum vitae to: **Search Committee, Department of Natural Sciences, Florida State Museum, University of Florida, Gainesville, Fla. 32611. An Equal Opportunity/Affirmative Action Employer.**

ACADEMIC POSITION OPEN

CHEMISTRY DEPARTMENT CHAIRPERSON

Nominations and applications are invited for the position of Chemistry Department chairperson at Wichita State University starting August 1979. The department of 14 faculty members offers ACS certified undergraduate degrees and master's degrees in all five major areas of chemistry. The successful candidate for this position must have an excellent record in teaching and chemical research, and have a clear potential for leadership. Administrative experience is desirable. The chairperson will be expected to teach at the undergraduate and graduate levels, maintain an active research program, be effective in obtaining grant support, and guide the department into continued new program development. Submit qualifications, including curriculum vitae, and have at least three letters of recommendation sent by 20 October 1978 to: **Dr. Melvin Zandler, Chairperson, Search Committee, Department of Chemistry, Wichita State University, Wichita, Kansas 67208.**

Wichita State University is an Affirmative Action Employer.

POSITIONS OPEN

CELL BIOPHYSICS POSITIONS BLOOD CELL RESEARCH

Three immediate openings are available to qualified Ph.D. scientists to work as research associates on the development and application of biophysical methods for the separation and characterization of human blood cells as related to transfusion problems. Background and experience in blood cell biophysics and/or immunology and immunohematology is desirable. Fully equipped modern research facilities and instrumentation are available.

Please send curriculum vitae to: **C. R. Valeri, M.D., Naval Blood Research Laboratory, University Hospital at Boston University Medical Center, 615 Albany Street, Boston, Mass. 02118.**

An Equal Opportunity Employer

CHAIRPERSON—BIOLOGY. Applications and nominations are invited for the position of chairperson of the Department of Biological Sciences, Wichita State University. The university is located in a metropolitan area of about 300,000 people and enrolls more than 15,000 students. The department, with 16 full-time faculty, is housed in a new building and offers the B.A., B.S., and M.S. degrees. A Ph.D. program is not anticipated. There are approximately 200 majors and 40 graduate students in the department. Candidates should have the Ph.D., experience in university teaching, a strong record of scholarly achievement, and evidence of or potential for academic and administrative leadership. Rank and salary will be commensurate with qualifications. A letter of interest, a résumé, and the names of at least three references should be sent by 30 September 1978 to: **Chairperson Selection Committee, Department of Biological Sciences, Wichita State University, Wichita, Kansas 67208. Wichita State University is an Affirmative Action Employer and operates under Affirmative Action policy. Applications from minority persons and women are encouraged.**

UNIVERSITY OF PENNSYLVANIA, SCHOOL OF DENTAL MEDICINE. Applications are being accepted for the position of **CHAIRPERSON**, Department of Oral Medicine. Responsibilities include predoctoral and postdoctoral programs and didactic and clinical teaching. Candidates should have experience in teaching, research, and administration. Curriculum vitae and supporting data should be sent to: **Dr. D. Isaacson, Chairperson, Search Committee, University of Pennsylvania, School of Dental Medicine, 4001 Spruce Street, Philadelphia, Pa. 19104. The University is an Equal Opportunity/Affirmative Action Employer.**

INDUSTRIAL HEALTH AND SAFETY PROGRAM

DIRECTOR—Immediate opportunity for individual seeking a faculty position in a unique baccalaureate program involving a new curricular approach to integrating the activities of worker and student. Qualified applicants should possess a doctorate degree in an area related to industrial health and safety, for example, industrial hygiene, toxicology, public health epidemiology, occupational medicine, applied physics, environmental science, and so forth. Experience in worker health problems, especially in an industrial employment setting and a familiarity with the objectives and trends of the labor union movement will be required, as well as an interest and commitment to research. Faculty rank and salary commensurate with experience and qualifications. Curriculum vitae and two letters of reference should be directed to:

**Dr. Moon J. Pak
Associate Provost and Director
Center for Health Sciences
Oakland University
Rochester, Michigan 48063
Telephone: 313-377-3562**

An Affirmative Action/Equal Opportunity Employer

DIRECTOR, Research Institute of Pharmaceutical Sciences, School of Pharmacy, University of Mississippi. Requirements: doctorate in biomedical or physical sciences. Qualifications: experience in research administration with demonstrated record of funded research and publications. Responsibility: to direct the further development and growth of a dynamic multidisciplinary research institute presently supported by state, federal, and private funds. Salary: commensurate with qualifications. Available after 1 January 1979. Application deadline: 1 November. Contact: **Joe B. McCaskill, Associate Dean, Chairman, Search Committee, School of Pharmacy, University of Mississippi, University, Miss. 38677. Equal Opportunity Employer, M/F/H.**

POSITIONS OPEN

The University of California, Irvine, College of Medicine, is seeking a **CHAIRMAN** for the Department of Psychiatry and Human Behavior. Candidates will have demonstrated excellence in research and teaching and will have administrative experience. Candidates should be able to provide academic leadership for the department. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Send curriculum vitae, before 1 December 1978, to: **Calvin S. McLaughlin, Chairman of the Search Committee, Dean's Office, College of Medicine, University of California, Irvine, Calif. 92717.**

DIRECTOR, SURGICAL PATHOLOGY, Bernalillo County Medical Center, and Department of Pathology, University of New Mexico (UNM) School of Medicine. Doctorate in medicine; appropriate postgraduate training anatomic pathology (especially surgical pathology); certification by American Board of Pathology in subspecialty of anatomic pathology; demonstrated interest/experience in teaching/research; significant background insofar as assuming responsibility for diagnostic function surgical pathology laboratory. Individuals with grant support, demonstrated special research interests and expertise in regard to ethnic/racial and other epidemiologic factors influencing tumor incidence given preference. Academic rank and salary based on experience. Send curriculum vitae and three letters of recommendation by 1 November 1978 to: **Charles R. Key, M.D., Search Committee Chairman, Pathology Department, UNM School of Medicine, Albuquerque, N.M. 87131.** *An Affirmative Action/Equal Opportunity Employer.*

DIRECTOR OF STANDARDS DEVELOPMENT

To oversee inception and administer the operation of an Ophthalmic Standards Development Program for the American Optometric Association. Research and administrative skills essential for this position. A Ph.D. or equivalent experience desirable. Salary commensurate with experience. Send résumé with salary history and expectations to: **Commission On Ophthalmic Standards, American Optometric Association, 243 North Lindbergh Boulevard, St. Louis, Mo. 63141.** Deadline for submission: 15 October. *An Equal Opportunity Employer.*

ELECTROPHYSIOLOGIST. Position available for postdoctoral fellow or research associate in laboratory studying experimental and clinical electrophysiology of retinal pigment epithelium. Applicants may have M.D. or Ph.D. Apply to: **Michael F. Marmor, M.D., Division of Ophthalmology, Stanford University School of Medicine, Stanford, Calif. 94305.** *An Equal Opportunity Employer; applications from women or minorities welcome.*

ENDOCRINOLOGIST

Senior-level appointments are being considered at the Worcester Foundation for Experimental Biology. Candidates with an established reputation and the proven ability to obtain grant support in the field of endocrinology are encouraged to apply. Special consideration will be given to applicants in the following areas:

- 1) Hormone receptors and mode of hormone action,
- 2) Neuroendocrinology, and
- 3) Endocrinology of pregnancy and parturition.

Send two copies of curriculum vitae, together with the names of three referees, to: **Endocrine-Reproductive Biology Search Committee, c/o Personnel Office, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, Massachusetts 01545.**

An Equal Opportunity/Affirmative Action Employer

Applications and nominations are invited for a **TENURE-TRACK FACULTY POSITION** in the Department of Chemistry at the State University of New York at Stony Brook. Preference will be given to senior candidates with an interest and experience in isotope chemistry, although junior and senior candidates with outstanding qualifications in all areas will be considered. All applicants are expected to have unusually strong and active research programs and to make significant contributions to undergraduate and graduate education. Curriculum vitae and the names of at least three references should be sent to: **Professor Paul C. Lauterbur, Chairman, Search Committee, Department of Chemistry, State University of New York at Stony Brook, Stony Brook, New York 11794.** *Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ENDOCRINOLOGY AND METABOLISM—The University of Massachusetts Medical School has positions for research and clinical training in endocrinology and metabolism beginning 1 July 1979. Candidates must have at least 2 years of post-M.D. training in internal medicine or have a Ph.D. in basic science related to medicine. A 2 to 3 year commitment is required. Emphasis will be placed on preparing candidates for an academic career in endocrinology and metabolism. For further information, contact: **Dr. L. E. Braverman, Division of Endocrinology and Metabolism, University of Massachusetts Medical Center, 55 Lake Avenue North, Worcester, Mass. 01605; telephone: 617-856-3115.** *The University of Massachusetts Medical School is an Equal Opportunity/Affirmative Action Employer.*

ENVIRONMENTAL STUDIES

The State University of New York at Albany (SUNYA) is seeking applications and nominations for a director and two other faculty for a B.S. degree program in environmental studies expected to begin in January 1979. Two faculty positions at assistant professor level require strong academic background, including Ph.D., and teaching and research experience in environmentally related field. Director applicants should also demonstrate administrative experience; position available at assistant or associate professor level. Faculty will conduct courses and seminars, advise students including directing of student research, conduct own research, and work with advisory committee to develop M.S. program. A letter of application and résumé with names of three references should be received by 15 October 1978, to: **Professor Harry Hamilton, c/o Leon Calhoun, Director of Personnel, State University of New York at Albany, 1400 Washington Avenue, Albany, New York 12222.** *SUNYA is an Equal Opportunity/Affirmative Action Employer. Applications from minorities and women are especially welcome.*

TENURE-TRACK FACULTY. Applications are invited for several faculty positions in the program in genetics and molecular biology, to contribute to graduate and undergraduate program development and maintain a vigorous research program. Applicants should have one or more years of postdoctoral training and submit a full résumé, including names of at least three references.

INSTRUCTIONAL TECHNICIAN. Full time. Applicants are invited for a technician to work as laboratory preparator in molecular biology and genetics courses. Submit résumé demonstrating experience with genetics, molecular biology, biochemistry, and computer equipment and procedures.

LABORATORY ASSISTANTS. Applicants are invited to assist in the development of a new laboratory instructional program in genetics and molecular biology and in laboratories in population biology. Must qualify for admission to graduate program, maintain full-time graduate student status and satisfactory progress to advanced degree.

Submit applications to:

**David L. Jameson
Program in Genetics and Molecular Biology
University of Houston
Houston, Texas 77004**

An Equal Opportunity/Affirmative Action Employer

IMMUNOLOGIST—Position open for a Ph.D. or M.D. at the assistant professor level. Joint appointment available in Department of Medicine for M.D. Candidate should be able to conduct active research program contributing to departmental interests in cellular and molecular biology. Participation in graduate and medical teaching required. Send correspondence to: **Dr. Morton M. Weber, Department of Microbiology, St. Louis University School of Medicine, 1402 South Grand Boulevard, St. Louis, Missouri 63104.** *Equal Opportunity/Affirmative Action Employer, M/F/Handicapped.*

INSTRUCTOR, BIOCHEMISTRY, to team-teach biochemistry and biochemistry laboratory and conduct research on the biochemical mechanism of excitation-secretion coupling in the central nervous system. Starting salary \$14,000. Position available for 5 years. Send curriculum vitae and bibliography to: **Dr. J. A. Babbitt, Chemistry Department, Texas Christian University, Fort Worth, Texas 76129,** by 30 September 1978. **POSTDOCTORAL AND GRADUATE STUDENT STIPENDS** for 1979 also available. *Texas Christian University does not discriminate on the basis of sex, religion, handicap, race, or ethnic origin.*

FACULTY POSITION

CHAIRMAN, DEPARTMENT OF METABOLISM

The College of Veterinary Medicine of the University of Florida invites applications and nominations for the position of chairman, Department of Metabolism. The primary mission of this department in teaching and research is to provide a broad interdisciplinary program to undergird and strengthen veterinary biological concepts prerequisite to quality clinical medicine. The Department of Metabolism will develop and maintain a close relationship with and complement the programs of several basic science departments within the College of Medicine. Applicants should desire involvement in a growing college, have a commitment to teaching veterinary medical and graduate students, and be dedicated to the implementation of an integrated, nontraditional curriculum.

Candidates must possess the Ph.D. degree and have training and expertise in some area related to metabolic functions. The D.V.M. (or equivalent) degree is desirable. Other qualifications include teaching experience on the undergraduate and graduate levels; demonstrated scholarship and research achievement; evidence of administrative and leadership qualities; evidence of the ability to function well with faculty from multiple disciplines (for example, physiology, biochemistry, anatomy, and so forth); and, familiarity with sources of funding and budgetary procedures.

Salary and academic rank will be commensurate with training and experience of the successful applicant.

Letters of application or nomination should include curriculum vitae outlining citizenship, academic training, teaching and administrative experience, and present professional activities. Also needed are a list of publications, a statement of professional goals, and the names of three persons who can provide letters of reference. The closing date for applications is 15 November 1978. Send application or nomination to:

**Dr. E. L. Besch
Chairman, Search Committee
College of Veterinary Medicine
J-125 JHMH
University of Florida
Gainesville, Florida 32610**

THE UNIVERSITY OF TEXAS AT AUSTIN MARINE SCIENCE INSTITUTE DIRECTOR

The University of Texas Marine Science Institute invites applications for the position of director.

The Marine Science Institute is headquartered in Austin, Texas, and has the Galveston Geophysics Laboratory in Galveston, Texas, with extensive research programs in marine geology, marine geophysics, solid earth and planetary geophysics, and the Port Aransas Marine Laboratory in Port Aransas, Texas, with a basic and applied research program in the biological sciences, chemistry, sedimentation, physical oceanography, and engineering. The Institute also has a mariculture facility in Port Aransas, Texas, and a field station in St. Croix, U.S. Virgin Islands. The Institute conducts research programs throughout the world, has a multidisciplinary graduate teaching program in conjunction with the Department of Marine Studies at the University of Texas at Austin, operates three ships (165-foot, 130-foot, and 85-foot) as well as many smaller vessels, and has a thoroughly diversified marine research program as well as a solid earth and planetary geophysics program.

Candidates should possess recognized scientific credentials, must qualify for a tenure appointment in the Department of Marine Studies, and be capable of dealing with leadership and policy issues. Extensive experience in scientific research in the marine sciences is required. Administrative and teaching experience is important in the selection process. Responsibilities include providing administrative direction for academic and world-wide research programs, coordination of research directions, and intellectual and philosophical leadership in continuing the development of an outstanding marine science program.

Application, personal résumé, and the names of at least three referees should be sent to: **H. Eldon Sutton, Vice President for Research, The University of Texas at Austin, Austin, Texas 78712.** The deadline for receipt of materials is 1 October 1978. Do not include materials which must be returned.

The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

FACULTY POSITION IN PHARMACOLOGY

Applications are invited for a position in the pharmacology or toxicology area. The level of the position is open and the appointment is on a 12-month basis. Applicants should have a Ph.D. in pharmacology or toxicology. Preference will be given to individuals with a pharmaceutically related background and good records in teaching and research. Successful candidates will be expected to develop productive research programs in the areas of their choice. Additional responsibilities include sharing instructional activities with other faculty members in an undergraduate course sequence emphasizing pharmacology and therapeutics, but also including pathophysiology and toxicology. Significant opportunities exist for participation in graduate education and for collaborative basic or clinical research within the college and the University Medical Center. Located on the University of Kentucky campus are specialized interdisciplinary research centers in the areas of tobacco and health, cancer, gerontology, and toxicology.

Interested individuals should submit before 20 October curriculum vitae and the names of three individuals who can be contacted for references to: **Search Committee Chairman, University of Kentucky, College of Pharmacy, Lexington, Kentucky 40506.**

The University of Kentucky is an Equal Opportunity Employer.

The Australian National University invites applications for two positions of **FELLOW and RESEARCH FELLOW** in the Director's Unit (U.V. Physics and Astronomy Group), Research School of Physical Sciences, to work with the director, Professor J. H. Carver, in establishing an ultraviolet research group to investigate laboratory problems of astrophysical and atmospheric significance, and which will seek guest investigator status on appropriate observatory spacecraft. Members of the group will be encouraged to collaborate with other members of the Research School of Physical Sciences which includes the Mt. Stromlo and Siding Spring Observatories and the Plasma Physics Laboratory. Applicants should have research experience in one or more of the following fields: photoionization and photoabsorption in atmospheric gases, U.V. spectroscopy, evolution of the atmosphere, satellite astronomy. Appointment of fellow is for 5 years in first instance with possibility, after review, of reappointment to retiring age (65 years); appointment of research fellow is for 3 years in first instance with possibility of extension to 5 years. Fellow: \$17,694 to \$23,704; research fellow: \$15,179 to \$19,813 per annum, Australian currency. Current exchange rates: A\$1 = U.S.\$1.15. Reasonable travel expenses, superannuation benefits. Further information from: **Academic Registrar, Australian National University, P.O. Box 4, Canberra, ACT 2600, Australia**, with whom applications close 16 October 1978.

POSITION IN FISHERIES BIOLOGY

**Appalachian Environmental Laboratory
University of Maryland
Center for Environmental and Estuarine Studies**

The University of Maryland is seeking a Ph.D.-level person to fill a tenure-track assistant professor position in fisheries biology at the Appalachian Environmental Laboratory, Center for Environmental and Estuarine Studies, University of Maryland, Frostburg, Maryland. Twelve-month appointment.

QUALIFICATIONS: The successful applicant is expected to teach graduate-level courses in fisheries management/aquaculture and advanced fisheries science. Résumé and transcript of course work must reflect strong fisheries background, with training in biometrics and computer programming. The preferred applicant will have a good publication record, a demonstrated ability to secure funding through contracts and grants, and an ability to independently establish a research program that will complement ongoing activities of the Appalachian Environmental Laboratory.

SCHEDULE: Closing date for applications is 15 October 1978, with starting date December 1978.

CONTACT:

**Dr. Dan M. Harman
Chairman, Search Committee
Appalachian Environmental Laboratory
Center for Environmental and Estuarine Studies
University of Maryland
Frostburg State College
Frostburg, Maryland 21532**

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POSITIONS OPEN

HISTOLOGY TECHNICIAN

Rewarding career opportunity in the largest cancer research hospital in the United States. Join our progressive team, using modern equipment and techniques. Initiative is encouraged. HT (ASCP) certified or eligibility is required. Salary commensurate with experience. Excellent benefits to include 3 weeks paid vacation. **University of Texas System Cancer Center, M. D. Anderson Hospital and Tumor Institute, 6723 Bertner Avenue, Suite 112, Houston, Texas 77030. An Equal Opportunity/Affirmative Action Employer, M/F.**

INSTRUCTOR—PHARMACOLOGY

The University of South Carolina School of Medicine invites applications for an instructor position in its Department of Pharmacology. Candidates should have a Ph.D. and/or M.D. degree. Preference will be given to those applicants with a background in cyclic nucleotides or metabolic control although outstanding individuals in all areas will be considered. Interested individuals should send curriculum vitae, names of three references, and a statement of career goals to:

**Dr. Donald O. Allen, Chairman
Department of Pharmacology
School of Medicine
University of South Carolina
Columbia, S.C. 29208**

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LIPOPROTEIN BIOCHEMIST

Biochemist Ph.D. with experience in lipoprotein biochemistry and metabolism sought for senior position in RIH-sponsored research program. Experience in apoprotein purification and quantitation and design of metabolic studies highly desirable. Please respond by 1 November 1978. Send curriculum vitae, bibliography, and names of three references to: **Seymour M. Sabesin, M.D., Department of Medicine, University of Tennessee Center for the Health Sciences, 951 Court Avenue, Room 335M, Memphis, Tennessee 38163.**

An Equal Opportunity/Affirmative Action Employer

The Research Institute of Pharmaceutical Sciences, School of Pharmacy, University, Mississippi, is seeking a **MASS SPECTROSCOPIST**. Candidates with a B.S. in pharmacy and with a Ph.D. and subsequent experience in a life science field are preferred. Salary commensurate with experience. Send biographical data, publications, and so forth to **Dr. Carlton Turner, Associate Director, Research Institute of Pharmaceutical Sciences, School of Pharmacy, University of Mississippi, University, Mississippi 38677**. Application deadline, 30 September. *Equal Opportunity Employer, M/F/H.*

MYCOLOGIST. Assistant professor; Ph.D., research and teaching, 9-month appointment, tenure-track. Responsibilities include teaching undergraduate and graduate courses in mycology, introductory botany and biology, research emphasizing any aspect of the biology of higher fungi.

Send curriculum vitae and names of three references to:

**Mycology Search Committee
Department of Botany, AK-10
University of Washington
Seattle, Wash. 98195**

The University of Washington is an Equal Opportunity Employer.

PAEDIATRICS

Title: Research position, virology.

Qualifications: Ph.D. or M.D. with background in basic animal virology research sought for full-time research position with faculty appointment at the University of Toronto and appointment as an investigator at the Research Institute at The Hospital for Sick Children. Successful candidate should have a good record for research productivity and be able to compete successfully for peer review grants.

Salary: To be negotiated.

Applicants should contact:

**Dr. David H. Carver
The Hospital for Sick Children
555 University Avenue
Toronto, Ontario, Canada M5G 1X8**

POSITIONS OPEN

NEUROMORPHOLOGIST/NEUROBIOLOGIST

The Department of Cell Biology is seeking a faculty member at the level of assistant professor. Formal teaching duties include teaching in the medical neuroscience course. The successful applicant will be expected to establish an independent research program in the field of neurobiology and contribute to an active research environment. Applicants should submit curriculum vitae, including a list of publications and names of references, to:

**Dr. D. J. Woodward
Faculty Research Committee
Department of Cell Biology
The University of Texas
Health Science Center at Dallas
Southwestern Medical School
5323 Harry Hines Boulevard
Dallas, Texas 75235**

The University of Texas is an Equal Opportunity/Affirmative Action Employer, M/F/H.

NEUROPHARMACOLOGIST

Applications are invited from qualified individuals for a position in the Department of Pharmacology, University of Iowa. Appointment will be at the assistant professor level. The appointee must be committed to excellence in teaching and research and will participate in the department's professional and graduate teaching activities as well as establish an independent research program of high quality. The applicant must have one or more years of postdoctoral training; preference will be given to applicants with research experience in the general area of neurochemistry/neurotransmitters (for example, peptides as neurotransmitters, immunocytochemistry, receptor isolation/identification, and so forth). Interested applicants should send their curriculum vitae and the names of three references to: **Dr. J. P. Long, Chairman, Department of Pharmacology, University of Iowa, Iowa City, Iowa 52242. The University of Iowa is an Equal Opportunity/Affirmative Action Employer.**

UNIVERSITY OF OKLAHOMA COLLEGE OF MEDICINE

Applications are solicited for a faculty position in: **PHYSIOLOGY (#130)—associate professor or professor.** Responsibilities include: teaching medical, dental, and graduate students, conducting cardiovascular, neural, or renal physiological research. Ph.D. or M.D. and 2 years of postdoctoral training required.

Applicants should send curriculum vitae, identifying vacancy number for which they are applying, to: **Dr. Thomas N. Lynn, Dean, College of Medicine, University of Oklahoma Health Sciences Center, P.O. Box 26901, Oklahoma City, Oklahoma 73190. We are an Equal Opportunity Employer.**

MIT POSTDOCTORAL ASSOCIATE. One position on studies of solid state structure of polymers is available starting between October 1978 and January 1979. Projects include: (i) study of packing order in collagen fibers by transmission electron microscopy, and electron diffraction; (ii) study of above by small angle x-ray diffraction. We are seeking a person with a background in polymer physics, biophysics, materials science, or physical chemistry. Starting salary: \$15,000. Those interested should send their résumé to: **Professor Ioannis V. Yannas, Fibers and Polymers Laboratory, Massachusetts Institute of Technology, Room 3-334, Cambridge, Mass. 02139**, and should have three letters on their behalf sent to the above address.

POSTDOCTORAL POSITION available immediately in single crystal x-ray diffraction of natural products, siderochromes, cyclic peptides and molecules of biological importance. Strong background in diffraction, computing and structure determination required. Opportunity to become involved in the biochemistry of siderochromes. Send curriculum vitae and names of references by 30 September 1978 to: **Dr. Dick Van Der Helm, Department of Chemistry, University of Oklahoma, Norman, Oklahoma 73019. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITIONS involving the structure, sequence organization, and expression of the fetal and adult globin chains of goat using the cloned globin genes. One position available immediately and the others later this year. Send résumé to: **Dr. Jerry B. Lingrel, Department of Biological Chemistry (522), University of Cincinnati College of Medicine, 231 Bethesda Avenue, Cincinnati, Ohio 45267. Equal Opportunity/Affirmative Action Employer.**

NAVAL RESEARCH LABORATORY

NRL is seeking highly-qualified Research Physicists Mechanical Engineers

The U.S. Naval Research Laboratory has positions available for computational fluid dynamicists. Individuals with a background in the development and application of finite difference or finite element codes for calculating non-linear transient flow problems are preferred. The principle long-term application areas are the prediction of large amplitude wave loadings and blast loadings on near-shore or off-shore structures.

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Interested applicants should send Standard Form 171 or a detailed resume to:

Naval Research Laboratory
Attn: Code 1811 EM
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Washington, D.C. 20375

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MICROBIAL GENETICIST PhD

SmithKline Corporation, a diversified Multinational pharmaceutical firm located in Philadelphia, Pennsylvania, is seeking a person to develop and apply modern genetic technology to the discovery of antibiotics and other biologically active agents.

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PROJECT LEADER

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Riker Laboratory, Inc. seeks a person to lead an inter-disciplinary team of scientists in the search for improved therapeutic agents for the treatment of inflammatory diseases.

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POSITIONS OPEN

POSTDOCTORAL POSITION available. Plant physiologist-biochemist to participate in investigations concerning the biochemistry and physiology of cytokinins in relation to nucleic acid metabolism in plant systems. *Oregon State University subscribes to a policy of active recruitment of women and ethnic minority persons and invites all interested and qualified persons to apply with résumé and references to: Donald J. Armstrong, Department of Botany and Plant Pathology, Oregon State University, Corvallis, Ore. 97331.*

POSTDOCTORAL POSITION available to study metabolic regulation and/or enzyme turnover in cultured human cells. Experience in protein isolation techniques desirable. Salary to \$11,000. Send résumé and names of references to:

Dr. Ifeanyi Arinze
Department of Biochemistry
Meharry Medical College
Nashville, Tennessee 37208

POSTDOCTORAL POSITION

Postdoctoral position available for a protein biochemist to work on the humoral regulation and control of coagulation factors. Better than average salary available for 2 to 4 years. Send curriculum vitae with names of three references to: Dr. Simon Karparkin, Department of Medicine, New York University Medical School, 550 First Avenue, New York, N.Y. 10016; telephone: 212-OR 9-3200, extension 2959.

POSTDOCTORAL POSITION—Control of gene expression in *B. subtilis*. Emphasis on biochemical and immunochemical analysis of spore protein and synthetic of their precursors in sporulation mutants. Preference will be given to candidates whose background enhances their ability to fit into ongoing research programs. Send curriculum vitae and recommendations to: Dr. Donald Tipper, Department of Microbiology, UNIVERSITY OF MASSACHUSETTS MEDICAL CENTER, 55 Lake Avenue North, Worcester, Mass. 01605. *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION available (2 years) in the area of molecular cloning of spore genes in *Bacillus subtilis*. Applicants should have extensive experience in microbiology, microbial genetics and/or biochemistry. Salary commensurate with the position and experience. Send curriculum vitae and the names and phone numbers of three individuals who will serve as references to:

Dr. Paul S. Lovett
Department of Biological Sciences
University of Maryland Baltimore County
Catonsville, Maryland 21228

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

POSTDOCTORAL POSITION available immediately in an NIH training program in visual neurophysiology. The project involves the analysis of synapses associated with visual information processing in the CNS of the crayfish. The position is for a minimum of 18 months to 2 years. Stipend depends upon experience. Send résumé and three letters of recommendation to: Raymon M. Glantz, Department of Biology, Rice University, Houston, Texas 77001. *Rice University is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION available for individual with interests in cellular neurophysiology and membrane biophysics. Starting date flexible. Send inquiries with curriculum vitae and names of references to:

Dr. Daniel Johnston
Section of Neurophysiology
Department of Neurology
Baylor College of Medicine
Houston, Texas 77030

POSTDOCTORAL RESEARCH ASSISTANT POSITION available immediately for electron microscopist with experience in examination of mammalian tissues. Position involves being a member of a research team studying the pathogenesis of bacterial diseases. Salary approximately \$11,000 to \$12,000 per year. Send curriculum vitae and names of three references to: Dr. Arnold Kreger, Department of Microbiology and Immunology, The Bowman Gray School of Medicine, Winston-Salem, N.C. 27103. *The Bowman Gray School of Medicine is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

POSTDOCTORAL POSITIONS AVAILABLE IMMEDIATELY

- 1) Protein chemist/biochemist interested in cultivation of bacteria in heavy water and isolation of enzymes from these organisms for NMR studies. Experience in microbiology or NMR desirable but not essential.
- 2) Physical biochemist interested in biological and spectroscopic approaches to the study of gallium tumor scanning agents.
- 3) NMR spectroscopist interested in determination of peptide conformations by NOE measurements and paramagnetic probes.

Bruker HX-90, CXP-270 and WH-400 available for NMR studies. Send résumé and names of three references to: Dr. Ted T. Sakai (1), or Dr. Robert Lenski (2, 3), Comprehensive Cancer Center, University of Alabama in Birmingham, Birmingham, Alabama 35294. *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL RESEARCH ASSOCIATE required immediately for biochemical work in oceanographic research laboratory on the Maine coast. Applicants should be experienced in the continuous culture of marine phytoplankton and the assay of photosynthetic enzymes in such organisms. Additional expertise in the measurement of pathways of photosynthetic carbon dioxide assimilation and experience in making such measurements on oceanographic research cruises are also required. Please apply, with appropriate curriculum vitae, to: Director of Research, Bigelow Laboratory for Ocean Sciences, McKown Point, West Boothbay, Maine 04575. *We are an Equal Opportunity Employer.*

POSTDOCTORAL RESEARCH ASSOCIATE—Beginning July 1979 for studies of leukemia and melanoma cell surface glycoproteins, lectin binding, metastasis, adhesiveness, and aggregation. Recent graduate preferred. Please send curriculum vitae to: Robert N. Taub, M.D., Ph.D., Chairman, Division of Medical Oncology, Box 230, Medical College of Virginia, Richmond, Virginia 23298.

POSTDOCTORAL RESEARCH POSITION available September 1978 for studies on the ultrastructure and evolution of algae. The hypothesis that the chloroplasts in some groups of algae arose from the progressive reduction of an endosymbiotic eukaryotic alga will be tested. Experience in electron microscopy desirable. The position is for 2 years with a starting salary of \$11,880. Please send curriculum vitae and names of three referees to: Dr. Sarah P. Gibbs, Department of Biology, McGill University, 1205 McGill Avenue, Montreal, Quebec, Canada H3A 1B1.

POSTDOCTORAL RESEARCH POSITION available immediately to study the biochemical basis of altered hepatic microsomal drug metabolism in tumor-bearing animals. Experience in protein purification and/or cytochrome P-450 biochemistry preferred. Send curriculum vitae and three references to: William T. Beck, Ph.D., St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, Tenn. 38101. *Equal Opportunity Employer.*

POSTDOCTORAL TRAINING ASSOCIATE

Available 1 September 1978 to study the indole trip-lets of proteins using flash photolysis for 2 years. Résumé and reference letters to:

Camillo A. Ghiron
Department of Biochemistry
University of Missouri-Columbia
Columbia, Missouri 65211

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PROFESSOR OF PATHOLOGY

Applications are sought for the position of professor of pathology in the Eastern Virginia Medical School. We seek a candidate with M.D. degree and experience in anatomical pathology both at the academic and hospital-practice level to participate in an active educational program for the teaching of medical students and residents. Excellent department research facilities available, including electron microscopy. Applications should include curriculum vitae, bibliography, and letters of recommendation. Please send to: Robert J. Faulkner, M.D., Chairman, Department of Pathology, Eastern Virginia Medical School, P.O. Box 980, Norfolk, Virginia 23501. *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

VISITING PROFESSORSHIP IN ANALYTICAL CHEMISTRY at the University of Delaware for 1979-1980. Attractive position for experienced faculty member to spend leave in a dynamic department with excellent research facilities. Candidate will be expected to participate in the teaching program. Qualified individuals are invited to write to: Professor G. A. Rechnitz, Department of Chemistry, University of Delaware, Newark, Delaware 19711. *The University is an Affirmative Action/Equal Opportunity Employer.*

The Ohio State University College of Medicine will be entertaining applications until 1 November 1978 for the position of **PROFESSOR AND CHAIRPERSON**, Department of Medicine. Position to be filled by 1 July 1979. Communications should be sent to: Chairperson, Search Committee for the Department of Medicine, 4170 Grant Graves Hall, The Ohio State University, Columbus, Ohio 43210. *An Equal Opportunity/Affirmative Action Employer, M/F/H.*

RECEPTOR BIOCHEMISTRY

Postdoctoral position for a recent graduate with solid training in biochemistry. Unique interdisciplinary institute. Research on membrane taste receptor characterization. Send curriculum vitae and names of three references to: Dr. Robert H. Cagan, Monell Chemical Senses Center, University of Pennsylvania, 3500 Market Street, Philadelphia, Pa. 19104. *An Equal Opportunity Employer.*

RESEARCH ASSISTANT. One or two entry level positions requiring B.S. in chemistry, biology, or equivalent experience. Duties include protein purification, enzyme assays and/or electron microscopy. Possibility of part-time graduate study. Send letter, curriculum vitae, and have three reference letters sent to: Professor N. M. Tooney, Department of Chemistry, Polytechnic Institute of New York, 333 Jay Street, Brooklyn, N.Y. 11201.

RESEARCH ASSOCIATE: Ph.D. preferred. Research on: (i) transcription specificity of bacteriophage-modified RNA polymerase or, (ii) construction of novel vectors for recombinant DNA experiments. Salary dependent on experience. Appointment for 1 year with possibility of renewal. Available immediately. Contact: Dr. David Shub, Department of Biological Sciences, State University of New York at Albany, 1400 Washington Avenue, Albany, N.Y. 12222. *SUNY is an Equal Opportunity/Affirmative Action Employer. Applications from women, minorities, and handicapped are especially welcome.*

The Institute for Cancer Research has formed a search committee to fill one or more positions for **RESEARCH SCIENTISTS** with experience in the following areas of cell biology: function and structure, biochemistry, and biophysics of cell membranes, receptors, and cell organelles; cell-cell recognition, intercellular communications; somatic cell genetics.

Applicants should have at least 1 or 2 years of postdoctoral experience.

Applicants should submit curriculum vitae, statements of experience and research plan(s), and names of four referees to:

Dr. A. Knudson, Director
The Institute for Cancer Research
7701 Burholme Avenue
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RESEARCH TRAINING IN SALIVARY SECRETION

Positions are available for research training in salivary secretion and related areas. Applicants should have Ph.D. or a professional degree (M.D., D.D.S., D.V.M., or equivalent) and must be U.S. citizen or have permanent visa. Persons with backgrounds in nutrition, experimental pathology, or protein biochemistry are preferred. Graduate programs leading to Ph.D. or M.S. are available. Stipends: \$10,000 to \$14,000, depending on experience.

Send curriculum vitae and statement of research interests to: Dr. Olav Alvares, Department of Oral Biology, University of Washington, School of Dentistry, Seattle, Wash. 98195.

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The Chairman, Visiting
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The University of
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MACQUARIE UNIVERSITY SYDNEY, AUSTRALIA SENIOR LECTURER/LECTURER IN ENVIRONMENTAL STUDIES in the CENTRE FOR ENVIRONMENTAL STUDIES

Applications are invited for appointment as **SENIOR LECTURER/LECTURER IN ENVIRONMENTAL STUDIES** in the **CENTRE FOR ENVIRONMENTAL STUDIES**, tenable not before 1 January 1979.

The centre mainly teaches postgraduate students and courses cover the biological, physical, and social aspects of the environment. Preference will be given to candidates with strengths in one of the latter two areas, and with postgraduate teaching experience in environmental studies.

Salaries will be within the following ranges:
Senior lecturer: A\$20,365 to A\$23,737 per annum.
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Further information about the university and advice regarding the method of application should be obtained from: **the Secretary-General, Association of Commonwealth Universities, 36 Gordon Square, London WC1H 0PF, England** or from: **the Registrar, Macquarie University, North Ryde, New South Wales 2113, Australia.**

Applications close on 20 October 1978.

The University of Texas Health Science Center at San Antonio, Department of Family Practice, seeks a **SOCIAL SCIENTIST**: primarily to participate in the teaching of family medicine to senior medical students and other medical trainees in a medical school-directed Family Health Center; secondarily to engage in research in problems of cross-cultural health care delivery and in the training of primary health care providers. Applicants should be committed to teaching social science concepts in a clinical medical setting.

Requirements: Ph.D. in social science.

Preferences: Background in medical social science. Background in Mexican-American culture. Bilingual (Spanish-English).

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Predoctoral and postdoctoral laboratory and/or clinical research training opportunities related to vision and disorders of the visual system are available through appointments to National Research Service Award Institutional Research Training Programs supported by the National Eye Institute, NIH. Specifically, the National Eye Institute supports research training relevant to its five program areas: retinal and choroidal diseases, corneal diseases, cataract, glaucoma, and sensory-motor disorders of vision and rehabilitation. Research training is encouraged in all medical science disciplines as they apply to these five National Eye Institute program areas; foremost among these in terms of the perceived needs and opportunities in vision research are immunology, genetics, pharmacology, epidemiology, physiology, biostatistics, biochemistry, developmental biology, psychophysics, physiological optics, and experimental and clinical pathology. For a booklet providing details on research training opportunities for careers in vision research contact:

Chief, Scientific Program Branch
Extramural and Collaborative Programs
National Eye Institute
National Institutes of Health
Bethesda, Maryland 20014

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POSTDOCTORAL TRAINEESHIP in epidemiology and biostatistics related to ophthalmology and vision research at major medical center. Two-year joint program with Harvard School of Public Health, leading to a master of science degree in epidemiology. Supported by an NIH training grant. Send curriculum vitae to: **Dr. Bernard Schwartz, Chairman and Professor, Department of Ophthalmology, Tufts New England Medical Center, 171 Harrison Avenue, Boston, Mass. 02111. An Equal Opportunity Employer, M/F.**

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Award announcements will be made 28 February 1979.

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FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP

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LaTROBE UNIVERSITY, MELBOURNE, AUSTRALIA LaTROBE RESEARCH FELLOWSHIPS

Applications are invited for two research fellowships (one arts and one science) to be taken up no later than June 1979. Fellowships may be held for 2 years and carry a salary of A\$15,179. For further details about the fellowships, enquirers should write to the undersigned. Enquirers should also communicate if possible, with the professor of the discipline concerned with their research or an individual or research team with whom they may wish to work. Completed applications must be submitted no later than 31 October 1978. **D. D. Neilson, Registrar, LaTrobe University, Bundoora, Victoria, 3083, Australia.**

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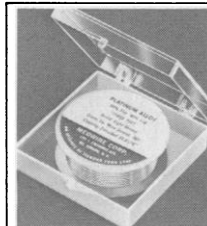
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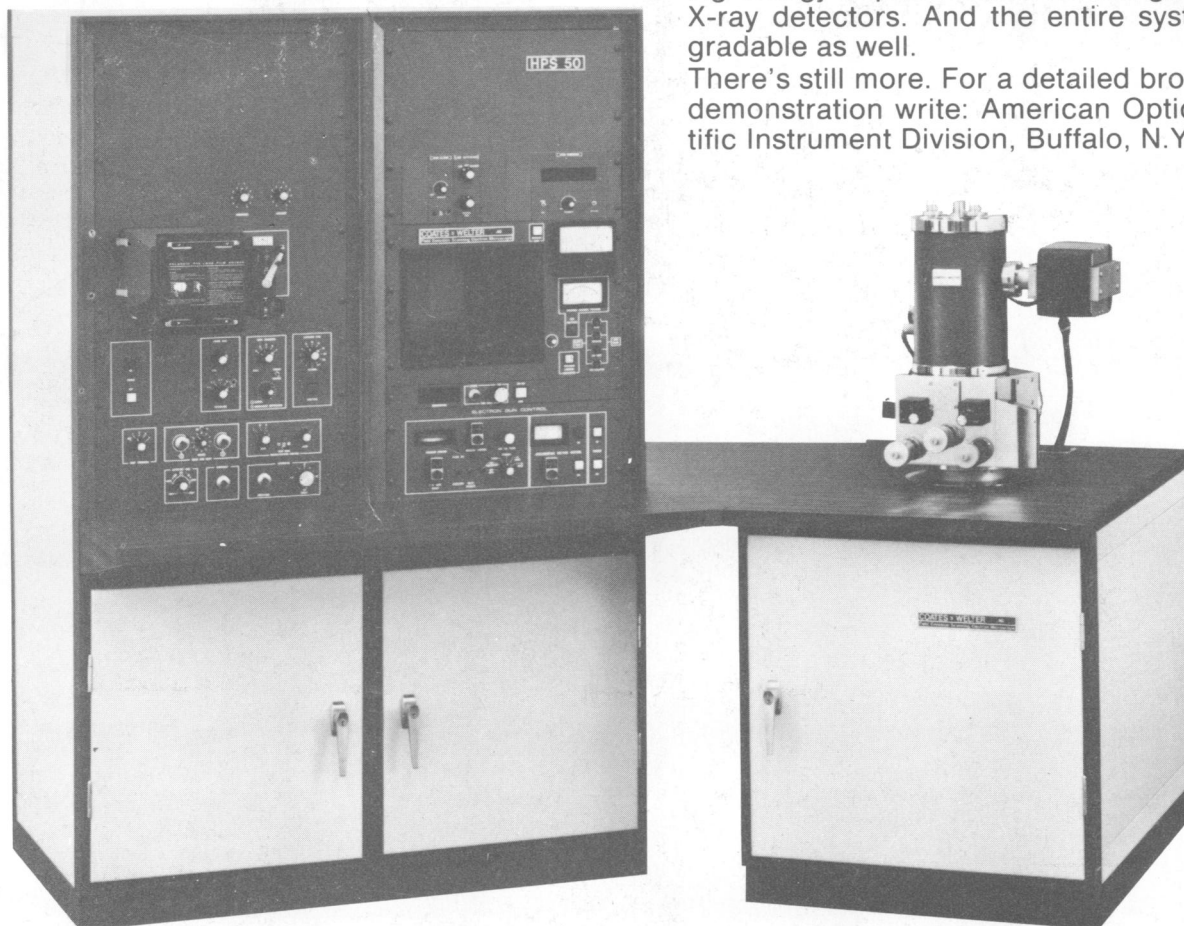
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