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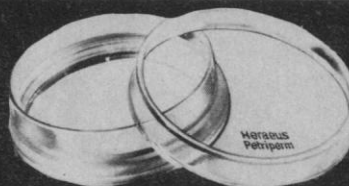
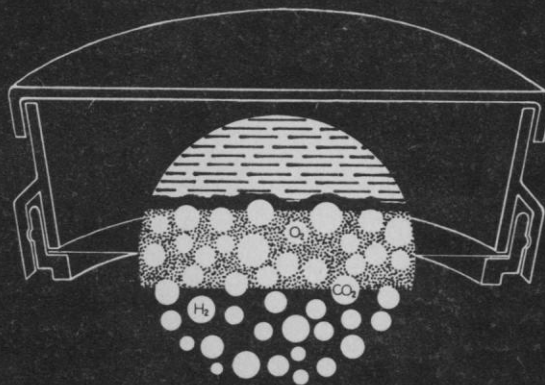


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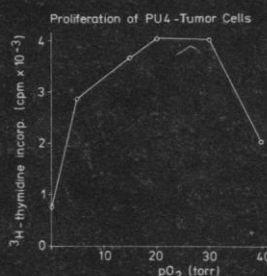
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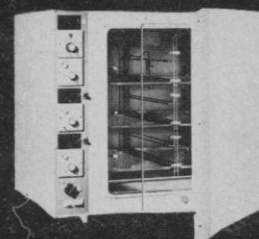
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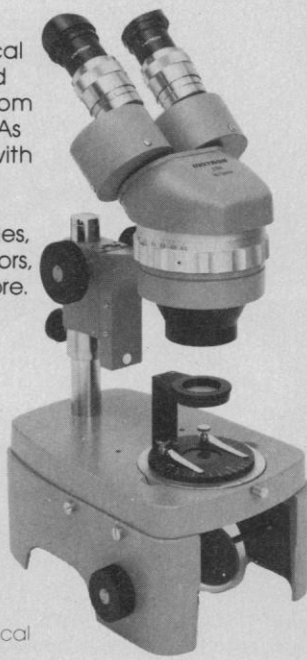
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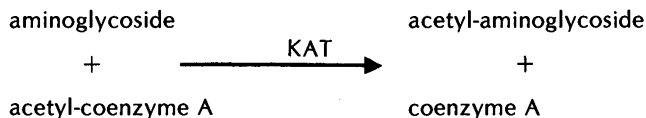


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SCIENCE publishes each Friday, except the last Friday of the year. Advertising closing for a particular Friday issue is Wednesday, 3 1/2 weeks before. Advertising is accepted only in writing; no abbreviations. Also, personnel advertising is accepted only with the understanding that the advertiser does not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, or handicap.

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## POSITIONS WANTED

**Algal Ecologist.** Environmental/evolutionary approach; chlorinated hydrocarbons; red tide toxins; publications; teaching experience. R. Michaels, Ecology and Evolution Department, State University of New York, Stony Brook, N.Y. 11794; telephone: 212-626-3443. 6/15, 22

**Anatomist.** Ph.D. anatomy; 7 years of experience teaching gross anatomy, histology, ultrastructure, and neuroanatomy to medical and paramedical students. Experienced electron microscopist and neuroanatomical research. Temporary/part-time position. For details, write: Box 170, SCIENCE. X

**Biochemist/Nutritionist/Physiologist.** D.V.M., Ph.D., teaching experience in physiology; research interest in endocrine control of metabolic processes (cyclic nucleotides and protein kinases in lungs, adipose, and corpus luteum); 20 publications; scientific reviewer; seeks academic or research position. Box 174, SCIENCE. 6/15, 22

**Biochemist.** Ph.D. Working abroad in industry. Seeks relocation in United States. Industrial R & D or research management. Proven experience in biochemistry, enzymology, natural products, microbiology, fermentation, biotechnology. Conduct and management of basic and applied research. Teaching. Telephone: 201-287-4170 or write Box 187, SCIENCE. X

**Cell Biochemist/Nutritionist.** Ph.D. medical sciences. 1975. Research experience in culture and nutrient media formulation for mammalian cells, intermediary metabolism, protein isolation-purification. Has taught college level. Box 165, SCIENCE. X

**Cell Biologist.** Thirteen years of broad university teaching/research background. Experience in tissue culture and electron microscopy. Desires relocation in Philadelphia area. Temporary position acceptable. Box 188, SCIENCE. X

**Field Ecologist.** B.S. Field experience in jungle ecology: Ecuador. Broad experience in terrestrial and freshwater ecology: marine plankton surveys. Seeking position in field research. J. Leeds, P.O. Box 349, Fox Lake, Illinois 60020. 6/15, 22, 29

## POSITIONS WANTED

**Herpetologist.** Museum-trained, zoo-experienced professor in university department recently committed to cell biology seeks compatible position to continue work on snake phylogeny. Experienced teacher, field biologist, writer, administrator. Box 189, SCIENCE. X

**Immunologist.** Extensive experience in areas of immunochemistry, cellular immunology, tumor immunology both in vivo and in vitro studies; numerous publications. Also qualified for administrative duties. Seeking a permanent position in government or industry as researcher or administrator. Box 181, SCIENCE. X

## POSITIONS OPEN

Medical University of South Carolina, Department of Anatomy. Three positions are available from 1 September 1979.

1) **ASSISTANT PROFESSOR** with substantial teaching experience in **gross anatomy and neuroanatomy**. The individual should have several years of postdoctoral experience and research interests should focus on retinal development and plasticity in the developing rodent visual system.

2) **ASSISTANT PROFESSOR** with broad teaching experience in **neurobiology**. Several years of postdoctoral experience are required and research interests should center around response properties and intracellular injection of visual cortical neurons. This is a temporary position.

3) **INSTRUCTOR** with teaching experience in **gross anatomy and neuroanatomy**. Some postdoctoral experience is required. Research interest should include development of the avian visual system and transplantation of the developing rodent visual system. This is a temporary position.

Closing date for applications: 15 July 1979. Send curriculum vitae to: **Dr. R. D. Lund, c/o Office of the Dean, College of Medicine, Medical University of South Carolina, 171 Ashley Avenue, Charleston, South Carolina 29403.** An Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR OF ANATOMY**—Two tenure-track positions are available beginning September 1979. Responsibilities include teaching in gross anatomy or neuroscience courses for medical students. Applicants must have a Ph.D., postdoctoral research experience in neurobiology or cell biology, and commitment to excellence in both research and teaching. Send curriculum vitae, a succinct statement of your research plans, and the names of three references to: **Search Committee, Department of Anatomy, Albany Medical College, Albany, N.Y. 12208.** Deadline for application is 15 July 1979. An Affirmative Action/Equal Opportunity Employer

**ASSISTANT OR ASSOCIATE PROFESSOR IN BIOCHEMISTRY.** Medical school full-time faculty to participate in the medical biochemistry course for freshman medical students and advanced courses for graduate students. An active research program is highly desired. Rank and salary negotiable depending on qualifications and experience: starting January 1980. Send résumé and three letters of recommendation to: **Dr. P. G. Iatridis, Director, Northwest Center for Medical Education, Indiana University School of Medicine, 3400 Broadway, Gary, Indiana 46408.** Indiana University is an Equal Opportunity/Affirmative Action Employer.

### ASSISTANT RESEARCH BIOCHEMIST DEPARTMENT OF SURGERY

Ph.D. in biochemistry or chemistry, and 1 year or more of postdoctoral research experience to participate in large research program in gastrointestinal physiology and isolation of peptide hormones. Expertise in peptide chemistry and techniques of isolation and identification of new hormones required. Send curriculum vitae, bibliography, and names of three references to:

**Professor Marshall J. Orloff, Chairman  
Department of Surgery  
University of California, San Diego, Medical Center  
225 Dickinson Street  
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The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer.

## POSITIONS OPEN

### ASSISTANT PROFESSOR OF BIOCHEMISTRY Medical College of Wisconsin

Growing department in new facility wants individual for vigorous research in molecular biology involving DNA chemistry. Send résumé to:

**Search Committee  
Department of Biochemistry  
THE MEDICAL COLLEGE OF WISCONSIN  
P.O. Box 26509  
Milwaukee, Wisconsin 53226  
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### ASSISTANT PROFESSOR OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

Applications are invited for a faculty position in the Department of Biochemistry and Molecular Biology, Harvard University, which is expected to be available 1 July 1980. Distinction in research and teaching is essential. Send curriculum vitae, three letters of recommendation, and a brief outline of future research plans to: **Administrative Assistant, Department of Biochemistry and Molecular Biology, Harvard University, 9 Kirkland Place, Cambridge, Massachusetts 02138.** Deadline for application is 31 March 1980.

Harvard University is an Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR OF GENETICS.** Iowa State University is seeking a highly qualified Ph.D. for a tenure-track position open 1 September 1979. Postdoctoral research and publications required. Research efforts of applicant must include genetic aspects of dinitrogen fixation, preferably in conjunction with plant cell culture techniques. Duties equally divided between teaching and research. Candidates should submit curriculum vitae and three letters of reference by 15 August 1979 to: **Dr. Donald S. Robertson, Department of Genetics, 10 Curtiss Hall, Iowa State University, Ames, Iowa 50011.** Equal Opportunity/Affirmative Action Employer

**ASSISTANT PROFESSOR OF MICROBIOLOGY: SEARCH REOPENED.** The West Virginia School of Osteopathic Medicine is seeking a Ph.D. in microbiology. The candidate must have excellence as a virology teacher and the ability to teach general medical microbiology courses. Research facilities are available and research is encouraged. Send curriculum vitae, transcripts, and three letters of recommendation by 1 July 1979 to: **Dr. Harold Laubach, Acting Chairman, Department of Microbiology, West Virginia School of Osteopathic Medicine, Lewisburg, West Virginia 24901.**

### FACULTY POSITION REOPENED CHAIRMAN, DEPARTMENT OF METABOLISM

The College of Veterinary Medicine of the University of Florida has reopened the position of chairman, Department of Metabolism, and invites applications and nominations. A detailed position description is available upon request.

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. Applications will be accepted until 31 July 1979 or until a successful candidate is identified. Send application or nomination to:

**Dr. E. L. Besch  
Chairman, Search Committee  
College of Veterinary Medicine  
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Gainesville, Florida 32610**

Two positions: (i) **CHEMIST-PHARMACOLOGIST:** structure activity relationship; pharmacology of drug-receptor interaction; lipid chemistry; training in both chemistry and pharmacology. (ii) **BIO-CHEMIST** with 2 years of training in neuropharmacology, steroid receptor and drug-receptor binding; experience in NMR and HPLC and tissue culture; lipid biochemistry and membrane pharmacology; small animal surgery. Ph.D. required; 1-year appointment with possibility of renewal. Salary range: \$15,000 to \$18,000 per year. Only those extensively experienced in above mentioned areas should apply. Send curriculum vitae and five letters of reference to: **Box 190, SCIENCE.** Deadline: 1 July 1979. Equal Opportunity/Affirmative Action Employer

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### POSITIONS OPEN

**ASSISTANT OR ASSOCIATE PROFESSOR IN PHARMACOLOGY.** Medical school full-time faculty to participate in the pharmacology course for sophomore medical students and advanced courses for graduate students. An active research program, preferably in neuropharmacology, is highly desired. Rank and salary negotiable depending on qualifications and experience; starting 1 January 1980. Send résumé and three letters of recommendation to: Dr. P. G. Iatridis, Director, Northwest Center for Medical Education, Indiana University School of Medicine, 3400 Broadway, Gary, Indiana 46408. *Indiana University is an Equal Opportunity/Affirmative Action Employer.*

**ASSOCIATE IN BIOLOGICAL CHEMISTRY—**Ph.D. enzymologist with 3 years of postdoctoral experience in steady-state and rapid kinetic techniques, chemical modification of enzymes and proteins, and synthesis of reagents and substrates. Experience in high performance liquid chromatography, fluorescence and magnetic spectral techniques, and numerical methods of analysis of kinetic and spectral data also required. Please submit curriculum vitae to: Dr. Thomas Bazzone, Biophysics Research Laboratory, Department of Biological Chemistry, HARVARD MEDICAL SCHOOL, 721 Huntington Avenue, Boston, Mass. 02115. *An Affirmative Action/Equal Opportunity Employer.*

**CELL BIOLOGY—**Faculty position beginning fall 1979 at the assistant or associate level. Preference will be given to Ph.D. applicants committed to undergraduate teaching with evidence of relevant research experience involving cell function and/or structure. Duties include teaching cell biology and development of an undergraduate research program. Northeastern State University (NSU) (6000 students) is located in the scenic foothills of the Ozarks, among beautiful lakes and clear streams. Submit résumé, description of proposed research, and names of three references to: Dr. Gary VanDenbos, Division of Natural Science and Mathematics, Northeastern State University, Tahlequah, Okla. 74464. *NSU is an Equal Opportunity/Affirmative Action Employer.*

#### CELL BIOLOGIST

A tenure-track position of instructor will be available early this summer for a person with expertise in the area of cell culture. Experience with transmission and scanning EM is desirable. The position has guaranteed funding for 2 years and the candidate will be expected to collaborate within a very active research group. Salary range: \$16,000 to \$19,000, commensurate with experience.

Send curriculum vitae with three supporting letters to: Dr. Allan J. Yates, Division of Neuropathology, N-112 Upham Hall, Ohio State University, Columbus, Ohio 43210.

#### CHEMIST

Available immediately: postdoctoral position involving investigation of sea nettle venom/marine toxicology in area of biochemistry/immunology. Salary: \$12,000. Send résumé and references to: Dr. Joseph W. Burnett, Division of Dermatology, University of Maryland at Baltimore, 10 South Pine Street, Baltimore, Maryland 21201.

*Equal Opportunity Employer*

**FACULTY POSITIONS.** Expanding medical center department seeks applicants for several full-time tenure-track positions in immunology and microbial physiology/genetics. Candidates must have postdoctoral experience and a demonstrated potential for independent research in a contemporary area. High quality participation in teaching of medical, dental, and graduate students is required. Rank and salary will be commensurate with experience. Send curriculum vitae, names of three references, and a statement of projected research activities to: Dr. L. William Clem, Chairman, Department of Microbiology, University of Mississippi Medical Center, 2500 North State Street, Jackson, Miss. 39216. *Equal Opportunity Employer, M/F.*

#### FACULTY POSITION CHEMICAL OCEANOGRAPHY

Texas A & M University is seeking a chemical oceanographer with an outstanding record and potential in research and teaching. Rank and salary will be commensurate with experience. Contact: W. D. Nowlin, Jr., Professor and Head, Department of Oceanography, Texas A & M University, College Station, Texas 77843. *An Equal Opportunity/Affirmative Action Employer*

### POSITIONS OPEN

#### CHIEF CLINICAL CHEMIST

The rapid expansion of our national medical reference laboratory has created an opening for a chief chemist. The successful candidate will have a Ph.D. with a strong background in protein chemistry, protein purification, and amino acid analyses. A strong background in endocrinology and RIA is very desirable. Strong research postdoctoral experience would be a plus. We offer a unique working environment which stresses professional achievement and individual growth as well as an excellent benefits package including dental coverage. Send résumé to: C. William Wood, Human Resources Staffing Manager (or contact at the Endocrine Society Meeting in June), NICHOLS INSTITUTE, P.O. Box 92797, World Way Postal Center, Los Angeles, Calif. 90009. *An Affirmative Action/Equal Opportunity Employer, M/F.*

The University of California, Irvine, is recruiting for a **CLINICAL PHARMACOLOGIST** to be located at the University of California, Irvine, Medical Center. Individual must be certified in internal medicine and have experience in clinical pharmacology both in teaching and research. Special knowledge of ingestion and poisoning will be useful as the individual will spend part of the time directing a regional poison control center. University rank will be appropriate to the academic experience of the individual. *Applications are invited from all qualified persons; minorities and women are encouraged to apply.* Please send curriculum vitae and names of five references to: Jeremiah G. Tilles, M.D., Professor and Chairman, Department of Medicine, 101 City Drive South, Orange, Calif. 92668.

**CLINICAL PHARMACOLOGY.** The Department of Medicine at the University of California, San Francisco, is seeking a clinician-scientist at the assistant or associate professor level to direct the Division of Clinical Pharmacology. Applicants should possess expertise in drug therapy of a major class of diseases, concern for teaching of therapeutics to medical students and housestaff, and ability to conduct independent basic research of high quality. Please forward curriculum vitae and three references to: David W. Martin, M.D., Chairman, Clinical Pharmacology Search Committee, Room 1093-M, University of California, San Francisco, Calif. 94143. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

#### DIRECTOR OF MEDICAL PUBLICATIONS

The Hospital for Sick Children is seeking an individual to direct its Department of Medical Publications. The position involves editing manuscripts on medical and scientific subjects prepared by the medical staff. The successful candidate is expected to teach and provide guidance on communication techniques.

The position requires a university graduate with a medical or scientific background and extensive experience in written communications.

Salary negotiable. Send résumé to:

**Director of Personnel  
The Hospital for Sick Children  
555 University Avenue  
Toronto, Ontario, Canada M5G 1X8**

**ENVIRONMENTAL TOXICOLOGIST.** Research specialist position available immediately for Ph.D. with experience in metabolism of xenobiotics. Candidate will join an aquatic toxicology group and be responsible for the direction of studies on metabolism of organic compounds in aquatic organisms (at EPA Environmental Research Laboratory, Duluth), report writing, and proposal development. Salary: \$16,000 to \$20,000. Send résumé, transcripts, and three letters of reference by 29 June 1979 to: Dr. Donald Bahnick, Director, Center for Lake Superior Environmental Studies, University of Wisconsin-Superior, Superior, Wisconsin 54880. *An Affirmative Action/Equal Opportunity Employer.*

**FACULTY POSITION.** The Graduate Department of Nutrition, Tufts University, has a faculty opening for a doctoral level person with teaching experience in animal as well as human nutrition, who will spend half-time teaching students in the department and in the School of Veterinary Medicine, and half-time doing research. Title, salary, and types of research will be determined according to applicant qualifications. Curriculum vitae and bibliography should be submitted to: Dr. Stanley N. Gershoff, Chairman, Graduate Department of Nutrition, Director, Nutrition Institute, Tufts University, Medford, Mass. 02155. *Tufts University is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

**FACULTY POSITION**—Joint appointment in medicine and biochemistry, for basic scientist to conduct independent research in collagen metabolism in chronic liver disease. Uses animal model systems and patient data and specimens as appropriate. Interacts with clinicians studying liver fibrosis, participates in teaching activities in biochemistry, and trains postdoctoral fellows. Adequate facilities, firm ongoing support for studies, career civil service position with salary appropriate to academic qualifications. Reply with curriculum vitae and bibliography to: **James J. Leonard, M.D., Professor and Chairman, Department of Medicine, Uniformed Services University of the Health Sciences, c/o Personnel Office, 4301 Jones Bridge Road, Bethesda, Maryland 20014.** *An Equal Opportunity/Affirmative Action Employer.*

Applications are invited for a **FACULTY POSITION** in the Department of Physiology, University of Rochester School of Medicine.

Candidates should have demonstrated ability in teaching and in independent research. Preference will be given to individuals with principal interests in integrative neurophysiology. However, applications are encouraged from outstanding candidates irrespective of field of interest.

Send résumé, a brief outline of teaching interests, future research plans, and the names of three references to: **Dr. Paul Horowitz, Chairman, Department of Physiology, Box 642, University of Rochester, Rochester, New York 14642.**

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

**FAMILY LIFE DISTINGUISHED PROFESSORSHIP.** Qualifications and responsibilities: the Department of Individual and Family Studies is seeking a distinguished professor whose specialty is interdisciplinary research in family life and life-span. Areas of expertise required are large-scale research methodology and funding, policy analysis, gerontology, and family theory. Responsibilities include teaching at the graduate and/or advanced undergraduate level, research development, and outreach to local and national policy-makers. An established scholar with interests and experience in working with a maturing faculty in developing a program of cross-disciplinary studies is required. Salary: commensurate with qualifications and experience. Available: 1 September 1979. Send curriculum vitae and names of three references to: **A. R. Doberenz, College of Human Resources, University of Delaware, Newark, Del. 19711.** *The University of Delaware is an Equal Opportunity Employer and encourages applications from qualified minority groups and women.*

Position available: **INSTRUCTOR or RESEARCH ASSISTANT PROFESSOR** in Department of Pharmacology. Ph.D. with background in medicinal chemistry—mass spectroscopy to assume responsibility for organic synthesis and GC/MS operator as a health science center shared resource. Major utilization includes clinical pharmacology program and atherosclerosis SCOR. Applicants should send curriculum vitae, including a list of publications, a summary of research experience, and the names of three references, to: **Arthur H. Briggs, M.D., Professor and Chairman, Department of Pharmacology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, Texas 78284.** *An Equal Opportunity/Affirmative Action Employer.*

## MEDICAL, DENTAL, AND VETERINARY PHYSIOLOGISTS

The Department of Physiology at Tufts University Schools of Medicine, Dental Medicine, and Veterinary Medicine is seeking physiologists for tenure-track positions at the assistant and associate professor levels. Of particular interest are persons with strong research in cell physiology and teaching ability in the areas of organ, comparative, and avian physiology. The department is committed to developing research programs relating to the interests of the three schools so that persons with the M.D., D.M.D., D.V.M., and/or Ph.D. degrees are encouraged to apply. Applicants should send a letter describing their research and teaching interests, curriculum vitae with publication list, and the names of three references to: **Dr. Geoffrey W. G. Sharp, Department of Physiology, Tufts University Schools of Medicine, Dental Medicine, and Veterinary Medicine, 136 Harrison Avenue, Boston, Massachusetts 02111.**

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

## POSITIONS OPEN

**HEAD, DEPARTMENT OF BIOLOGY.** Applications and nominations are invited for the position of head in a department of 50 faculty with comprehensive teaching and research programs in botany, microbiology, and zoology. The head will provide leadership and have administrative responsibility for maintaining current departmental breadth and quality, with continued emphasis on further academic development. Credentials should be appropriate for appointment to a full professorship in a major research-oriented university. Appreciation of the range of fields represented in the department is important. Some pertinent administrative experience is preferred. Salary is competitive and commensurate with experience. Preferred starting date: 1 July 1980.

Applicants should submit a letter of application, curriculum vitae, and at least three letters of reference, not later than 15 October 1979, to: **Dr. Anne McNabb, Chairman, Search Committee, Department of Biology, Virginia Polytechnic Institute and State University, Blacksburg, Va. 24061.** Telephone: 703-961-5231.

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## HORTICULTURE, DEPARTMENT HEAD

Kansas State University. Responsible for the administration of teaching, research, extension, and international agricultural programs within the department. Department includes 24 faculty, 17 staff, 368 undergraduates, and 35 graduate students. Ph.D. degree in horticulture or a related science with substantial experience in teaching, research, and/or extension activities. Application deadline: 30 June 1979. Position available 1 August 1979. Send résumé, application, transcripts, and arrange to have three letters of reference sent to: **Dr. Charles W. Marr, Department of Horticulture, Waters Hall, Kansas State University, Manhattan, Kansas 66506.** *Kansas State University is an Equal Opportunity Employer.*

## HEAD, DEPARTMENT OF PHARMACOLOGY

The University of Minnesota, Duluth, School of Medicine is accepting applications for this position at the rank of professor or associate professor. The position is to be filled as early as 1 January 1980. Qualifications include the Ph.D. degree in pharmacology and/or the M.D. degree with research experience and training in pharmacology, a currently active research program, evidence of administrative leadership potential and teaching competence, and interest in developing a graduate program in pharmacology. This department of five faculty members is in a new and developing school with an orientation toward family practice. Development of interactions with the area medical community is encouraged. Applications should be received by 3 September 1979. Send curriculum vitae, including the names of at least three references, to: **Dr. Paul M. Anderson, Chairman, Pharmacology Search Committee, Department of Biochemistry, School of Medicine, University of Minnesota, Duluth, Duluth, Minnesota 55812.**

*The University of Minnesota is an Equal Opportunity Educator and Employer.*

## HERPETOLOGIST

Harvard University seeks to make a tenure-track appointment in herpetology of an assistant or associate professor in the Department of Biology who will serve conjointly as an assistant or associate curator in the Museum of Comparative Zoology. Preference will be given to candidates with: (i) a strong research program in herpetology, (ii) ability to offer instruction at the undergraduate and graduate levels, and (iii) commitment to supervise and enhance a major herpetological collection. The closing date for receipt of applications is 15 October 1979, and the appointment will take effect 1 July 1980. Applicants should send curriculum vitae, statement of research interests, and names of three references to: **Herpetology Search Committee, Office of the Chairman, Department of Biology, Harvard University, Cambridge, Massachusetts 02138.** *Harvard is an Equal Opportunity/Affirmative Action Employer.*

## UNIVERSITY OF MICHIGAN MEDICAL SCHOOL

Four positions available 1 July 1979 and two positions 1 January 1980 for **INSTRUCTOR through PROFESSOR** in the Department of Anesthesiology. Board-certified or -qualified anesthesiologist eligible for licensure in Michigan. Clinical and didactic instructor of medical students and residents, research. Academic experience desired. Rank commensurate with experience. Reply to: **Box 191, SCIENCE, Code 500HO, 1200HO, 1100HO, 300HO, 200DO, 200BO.** *A nondiscriminatory, Affirmative Action Employer.*

# RESEARCH SCIENTIST

The Medical Biophysics Branch at the Whiteshell Nuclear Research Establishment, Pinawa, Manitoba has a requirement for a Scientist to perform innovative and original research on processes by which the reactivity of chemical carcinogens toward cellular components is enhanced by radiation and on mechanisms by which these carcinogenic processes may be prevented or inhibited. This research will take into account free radical and other types of reactions and seek out structure-activity relationships applicable to model chemical systems, cells or both. The study of select enzyme systems will likely ensue.

The successful candidate should have a PhD degree in Physical Organic Chemistry, Physical Biochemistry or Biological Chemistry. The applicant should be skilled in chemical syntheses, product analysis, spin labelling, and physical spectroscopy. Familiarity with enzyme chemistry will be an asset. Post-doctoral experience in defining the chemical aspects of a biologically-significant problem will be useful. Experience in authorship and communication of scientific publications is also desired.

Starting salaries will be commensurate with qualifications and experience. AECL has a comprehensive benefits package and relocation assistance is provided.

Preference will be given to Canadian citizens.

The Whiteshell Nuclear Research Establishment employs approximately 850 people and is located about 105 km northeast of Winnipeg near the Whiteshell resort area. Pinawa is a modern townsite about 15 km from WNRE.

Men and women who may be interested in this position and possess the necessary qualifications should apply in writing giving full particulars to Personnel Supervisor, Atomic Energy of Canada Research Company, **WHITESHELL NUCLEAR RESEARCH ESTABLISHMENT, PINAWA, Manitoba, ROE 1LO.**

Atomic Energy  
of Canada Limited



L'Energie Atomique  
du Canada, Limitee



## POSITIONS OPEN

**GENETICIST**—Opening in the Joint Biology Department of the College of Saint Benedict/Saint John's University for a person qualified to teach an upperdivision course in genetics and a lowerdivision course in general zoology. Ph.D. required. Applicants must have extensive knowledge of both classical and modern genetics. Salary in accord with salary scale. Send letter of application, curriculum vitae, and three letters of recommendation before 29 June 1979 to: **Sister Linda Kulzer, Vice President for Academic Affairs, College of Saint Benedict, Saint Joseph, Minn. 56374. The College of Saint Benedict is an Equal Opportunity Employer in compliance with Title IX and 504 Handicapped Act.**

### LABORATORY DIRECTOR— DEPARTMENT ADMINISTRATOR Department of Biochemistry, Rice University

Responsibility for the administrative and service operations of the department. Duties will include fiscal management of budgets, personnel management of staff, research administration of grants and contracts. Substantial previous experience in the above areas and a reasonable scientific background are required. Send résumé and three letters of reference to: **Professor George J. Schroepfer, Jr., c/o Jan Griffin, Allen Center, Rice University, Houston, Texas 77001.**

*An Equal Opportunity/Affirmative Action Employer*

### MICROBIOLOGIST—Ph.D. Saint Michael's Medical Center— New Jersey Medical School

Saint Michael's Medical Center has a position available for a Ph.D. to direct our special bacteriology laboratory, hospital resistant strains, new antibiotics, M.I.C., M.B.C., killing curves. Medical school appointment. Responsibilities include lecturing to students and supervision of infectious disease fellows.

Interested candidates, please send your curriculum vitae to: **Leon G. Smith, M.D., Director, Department of Medicine, Saint Michael's Medical Center, Newark, New Jersey 07102.**

**MOLECULAR GENETICIST.** The Department of Microbiology, Loyola University Stritch School of Medicine, is inviting applications for an assistant or associate professor (tenure-track position) with a specialty in molecular genetics. The candidate should have a strong academic background in prokaryotic and/or eukaryotic genetics. Candidate must have an earned doctorate in microbiology, biology, or genetics. Postdoctoral research experience is required. Teaching experience is desirable. The candidate will be expected to carry on independent research, direct graduate students, and seek outside support for research. Teaching responsibilities include participation in a microbiology course for medical students and presentation of a graduate level course in genetics. The position will be available 1 July 1980. Salary commensurate with experience. Send curriculum vitae and the names and addresses of three references to: **Chairman, Faculty Search Committee, Department of Microbiology, Loyola University Stritch School of Medicine, 2160 South First Avenue, Maywood, Illinois 60153. An Affirmative Action/Equal Opportunity Employer.**

### OCCUPATIONAL SAFETY SPECIALIST (Safety Engineer)—Assistant Professor

Teaching, research, and extension responsibilities in industrial safety/safety engineering. M.S. in one of the engineering disciplines is required with special training and industrial experience in occupational safety and health; Ph.D. is preferred. Salary commensurate with training and experience. Send curriculum vitae, transcripts, and three letters of recommendation to: **Dr. G. Merrill Shaw, Head, Industrial Technology Division, College of Engineering UMC-61, Utah State University, Logan, Utah 84321 by 15 August 1979. Utah State University is an Equal Opportunity/Affirmative Action Employer.**

### POSTDOCTORAL FELLOW

To study regulation of transcription in hepatomas in vivo and in culture. Experience in nucleic acid chemistry and/or enzymology is preferred. Position supported by an NCI grant for a minimum of 2 years. Stipend is \$12,000 to \$14,000 per year. Send curriculum vitae and names and addresses of two referees to: **Dr. Aubrey Thompson, Department of Biology, University of South Carolina, Columbia, S.C. 29208.**

## POSITIONS OPEN

### NEUROPHYSIOLOGIST

The Department of Animal Physiology at the University of California, Davis, invites applications for a faculty position in neurophysiology. The position is available immediately and must be filled by 30 September 1980. Minimum qualifications include a Ph.D. and a demonstrated ability to conduct high quality research in neurophysiology. The successful applicant will be expected to teach courses in neurophysiology and to maintain an active research program. The appointment will be made on an 11-month basis at the rank of professor, associate professor, or assistant professor, depending on background and experience. Applicants should submit curriculum vitae, bibliography, recent reprints, the names of at least three references, and any other supporting material to: **A. J. Sillman, Chairman, Neurophysiology Search Committee, Department of Animal Physiology, University of California, Davis, California 95616. Closing date for applications is 15 September 1979.**

*The University of California is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and members of minority groups.*

**STANFORD UNIVERSITY: PALEOMAGNETIST.** The Department of Geophysics has a tenure-track position at the assistant professor level that will be open in September 1979. We are searching for a geophysicist with a strong background in paleomagnetism and rock magnetism. Applicants are invited to send a résumé, a statement of the research they would plan to pursue during their first few years at Stanford, and a description of the courses they would be prepared to teach.

Send résumé to: **Allan Cox, Department of Geophysics, Stanford University, Stanford, Calif. 94305. Stanford University is an Equal Opportunity/Affirmative Action Employer. Reply by 15 July 1979.**

### PERINATAL-FETAL PHYSIOLOGIST

A full-time academic position is currently available in the Department of Obstetrics and Gynecology. The position will involve both teaching and research work and the rank and salary are dependent upon prior experience. If interested, please send curriculum vitae and bibliography to:

**William N. Spellacy, M.D.  
Professor and Head  
Department of Obstetrics and Gynecology  
University of Illinois at the Medical Center  
840 South Wood Street  
Chicago, Illinois 60612**

*Affirmative Action/Equal Opportunity Employer*

### PHARMACOLOGIST

Applicants are invited for the position of assistant professor to serve jointly in the Departments of Pharmacology and Anesthesiology. Duties include general supervision of research laboratories in the Department of Anesthesiology, independent research, and some teaching in pharmacology. Initial salary will be \$24,000 per annum. Applicants should possess a Ph.D. degree and have 2 years of postdoctoral experience. Preference will be given to applicants with interests in the area of drug disposition and with experience in the use of high performance liquid chromatography. Send résumé, along with letters of reference, to: **Chairman, Department of Pharmacology, State University of New York/Upstate Medical Center, Syracuse, New York 13210. State University of New York/Upstate Medical Center is an Equal Opportunity/Affirmative Action Employer.**

### PLANT ECOLOGIST

Clemson University has an opening for a plant ecologist (Ph.D.) at the visiting assistant/associate rank for the academic year 1979-1980, beginning 15 August 1979.

Successful applicant should be competent to teach plant ecology at the senior/graduate level and possibly a special topics course in field of interest. Applicant should have a strong background in statistical analysis of plant populations and communities in both terrestrial and aquatic systems. This opening is not for persons who are primarily taxonomically oriented.

Applicants should forward final transcripts, résumé, and three letters of reference to:

**C. R. Dillon, Head  
Botany Department  
Clemson University  
Clemson, S.C. 29631**

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

## POSITIONS OPEN

**POSTDOCTORAL ASSOCIATE**—Biochemist is sought, preferably with interest in protein sequencing and/or chemical modification of proteins. The 2-year position, with possibility for renewal, is available immediately for sequence and affinity labeling studies on ribulosebiphosphate carboxylase at a salary of \$12,000 to \$13,500. A complete application requires résumé, transcripts, and three letters of reference sent to: **Dr. Fred C. Hartman, The University of Tennessee—Oak Ridge Graduate School of Biomedical Sciences, P.O. Box Y, Oak Ridge, Tenn. 37830. For further information, telephone: 615-574-0959. An Equal Opportunity/Affirmative Action Employer.**

### POSTDOCTORAL FELLOW Department of Wildlife Science Utah State University

Research involving the modelling and analysis of ecosystems.

Ph.D., strong background in quantitative techniques (modelling), arid land and ecology is required. Experience and training in either marsh or ecology desirable. Ability to extract and synthesize information from the literature are important as are good writing and communication skills.

Salary competitive; positions full time, beginning as soon as possible. Send curriculum vitae and three letters of recommendation to:

**Dr. George S. Innis  
Department of Wildlife Science, UMC 52  
Utah State University  
Logan, Utah 84322**

Closing date: 15 July 1979 or until positions are filled.

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

### POSTDOCTORAL POSITION

Mechanisms of bacterial genetic control approached through DNA sequencing by the dideoxy method, in vitro transcription, identification of genetic control signals, and recombinant DNA technology and vector development. See PNAS 75: 4281 (1978) and the current *Gene* for example approaches. NIH scale to start any time. Respond with résumé, ideas, and names of three references to: **Wayne M. Barnes, Department of Biological Chemistry, Washington University School of Medicine, 660 South Euclid, St. Louis, Missouri 63110.**

**POSTDOCTORAL POSITION IN NEUROPHARMACOLOGY** to study spinal neuronal mechanisms involved in the control of locomotion. An electrophysiological-pharmacological investigation of the influence of descending monoaminergic pathways on spinal motoneurons and interneurons. Experience with extracellular microelectrode recording techniques necessary, knowledge of microiontophoresis would be useful. Stipend: \$13,500. Position available 1 August. Send résumé and names of two referees to: **Dr. Ronald D. Huffman, Department of Pharmacology, University of Texas Medical School, 7703 Floyd Curl Drive, San Antonio, Texas 78284. Equal Opportunity/Affirmative Action Employer.**

**POSTDOCTORAL POSITION** available immediately to study viral DNA replication in vertebrate/invertebrate cells. Ph.D. cell or molecular biology, experience with virus, nucleic acids, transfection, and cell culture desirable. Send curriculum vitae and two references to: **Dr. W. H. R. Langridge, Boyce Thompson Institute at Cornell University, Ithaca, N.Y. 14853.**

*An Equal Opportunity/Affirmative Action Employer*

**POSTDOCTORAL POSITION** available immediately to study effects of hormones upon neuroglial development in the central nervous system. Research focuses upon immunocytochemical localization of factors influencing neurological differentiation. Salary range: \$14,000 to \$15,000. Send résumé to: **Dr. Robert P. Skoff, Department of Anatomy, Wayne State University School of Medicine, 540 East Canfield, Detroit, Michigan 48201. Wayne State University is an Equal Opportunity/Affirmative Action Employer.**

**POSTDOCTORAL POSITION**—Available July onwards for 2 years to study location and turnover of plasma membrane glycoproteins in wild type and lectin resistant CHO cells. Experience in membrane biology desirable. Salary: \$12,500. Send curriculum vitae and two letters of recommendation to: **Dr. R. Michael Roberts, Department of Biochemistry and Molecular Biology, University of Florida, Gainesville, Florida 32610.**

## IMMUNOLOGIST/ BIOCHEMIST

Abbott Laboratories, an international leader in the health care industry, is seeking an innovative scientist to perform immunological research for our Diagnostic Division.

The ideal candidate will have a Ph.D. in immunology, biochemistry or microbiology with substantial background in isolation and characterization of macromolecules. Additional experience in radioimmunoassay and cellular immunology is desirable. Two years of post-doctoral experience is required. This individual will do extensive research on assessment of Immune Response and Immunoregulatory Factors.

We offer an excellent starting salary, full benefits, and exceptional career opportunity. For immediate consideration, send resume and salary history/expectations to:

M. Marciano  
Corporate Placement

**ABBOTT**  
NORTH CHICAGO, ILL. 60064

*Abbott is an Affirmative  
Action Employer*

## Toxicologist

The Research and Development Division of G.D. Searle & Co. has a Toxicologist position available in Product Safety Assessment.

This individual will be responsible for developing protocols as well as reviewing, interpreting, and reporting data generated from pre-clinical safety studies. Qualified candidates should possess a Ph.D. in Toxicology or related discipline. Must be able to communicate effectively. 1-3 years industrial experience or related training in conducting safety studies desirable.

G.D. Searle provides excellent salary and benefits. For confidential consideration, send resume with salary history to:

Lana Roth  
**SEARLE**

Research & Development  
Division  
P.O. Box 5110  
Chicago, IL 60680

*Equal Opportunity M/F/H  
...A Practice, Not Just  
A Policy*

## Metabolism Scientist

Good opportunity is immediately available for a Ph.D or M.S. in Biochemistry or Pharmacology. Must have experience in metabolism and pharmacokinetics of chemicals in animals. Training in analytical chemistry, radio isotope techniques and separation science would be a plus. Our research involves pesticides and industrial chemicals.

Position is located in Chicago. Generous relocation policy included in excellent employee benefit program. Send resume with salary history, in confidence, to:



Personnel Manager  
**Velsicol  
Chemical  
Corporation**

**341 E. Ohio Street  
Chicago, Illinois 60611**  
*An Equal Opportunity Employer M/F*

## MEDICAL OFFICER

The National Institute of Child Health and Human Development, Center for Population Research, Contraceptive Evaluation Branch has an opening for a Medical Officer GS-602-15 (\$43,248 per annum). This is a career position. The incumbent will serve as Chief of the Contraceptive Evaluation Branch and will be responsible for directing, organizing and evaluating a major contract program consisting of clinical, epidemiological and fundamental biomedical research into the medical effects and mechanism of action of various methods for fertility regulation. The incumbent will have the responsibility for the thorough assessment and evaluation of the entire research program and makes decisions concerning the framework, content and scope of the research performed in the Contraceptive Evaluation Branch.

Applicants for this position must possess an M.D. with a strong administrative background, as well as substantive research experience in epidemiology and biomedical research. Since patient-care responsibility is not involved, licensure is not a mandatory requirement.

Please send SF-171, C.V. and bibliography, by June 29, 1979 to Dee Newlin, NICHD, NATIONAL INSTITUTES OF HEALTH, Public Health Service, Bldg. 31, Room 2A-25, 9000 Rockville Pike, Bethesda, MD 20205. Equal Opportunity Employer.

**NATIONAL INSTITUTES  
OF HEALTH**

## Director of Pharmacology

Wallace Laboratories, the ethical pharmaceutical division of Carter-Wallace, Inc., located in Central New Jersey, has an exceptionally fine position available in its Research Division for a Director of Pharmacology. The individual we seek should possess a Ph.D. in Pharmacology and a minimum of 5-10 years experience, preferably in an industrial environment. This individual should possess a working knowledge of behavioral pharmacology and the development of analgesic drugs. In addition, he or she should have had some prior managerial background.

Reporting to the V.P. of Biological Research, this person will be responsible for all programs in pharmacology which include all classes of drugs which affect the central nervous system, pulmonary, and gastrointestinal systems. This individual must be capable of directing a staff of professional and technical personnel.

Send resume in strict confidence to:  
Mr. Charles Newman, Employment Manager

**WALLACE  
LABORATORIES**  
A Division of Carter-Wallace, Inc.  
**Cranbury, New Jersey 08502**  
*An equal opportunity employer  
Male/Female/Veteran/Handicapped*

## POSITIONS OPEN

**POSTDOCTORAL POSITIONS** (two) for recent Ph.D. in research related to neurotrophic regulation of skeletal muscle. Preference will be given to candidates with competence in: (i) ultrastructural and electrophysiological investigations of the neuromuscular junction, (ii) tissue culture and protein analytical techniques. Positions (up to 3 years) are available immediately. Applicants should send curriculum vitae, summary of past research, and the names of three references to: **Dr. Wolf-D. Dettbarn, Department of Pharmacology, Vanderbilt University Medical Center, Nashville, Tenn. 37232. Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.**

**POSTDOCTORAL POSITIONS** available in cellular biology of heart dealing with studies of the structure and metabolism of cardiac and skeletal muscle. Available immediately; 1-year appointment, renewable. Salary: \$10,000 to \$12,000. Background in physiology or biochemistry preferred. Send curriculum vitae and references, with proposed starting date, to: **Dr. Howard E. Morgan, Department of Physiology, The Milton S. Hershey Medical Center, The Pennsylvania State University, Hershey, Pennsylvania 17033.**

**POSTDOCTORAL POSITION IN BIOCHEMISTRY/IMMUNOLOGY** for newly established clinical Liver Unit and research laboratory. Experience in protein and/or immunochemistry required. Responsible for setting up procedures for protein isolation and labeling. Opportunity to carry out independent study related to liver disease. Salary to \$16,000. Available 1 July 1979. Contact: **William Gallo, Personnel Service, VA Medical Center, Danville, Ill. 61832; telephone: 217-442-8000, extension 236. An Equal Opportunity Employer.**

### POSTDOCTORAL POSITION IN LIPID BIOCHEMISTRY

Mechanisms of regulation of lipoprotein lipase catalytic activity; lipoprotein structure and degradation. Molecular, cell culture (liver, adipocyte, endothelial), and immunochemical approaches are employed. Applicants should have training in biochemistry and cell biology. Send résumé and names of three references to: **Dr. André Bensadoun, Division of Biological Sciences and Nutritional Biochemistry, 242 Savage Hall, Cornell University, Ithaca, New York 14853.**

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

### POSTDOCTORAL POSITION

Position available in fall 1979 for research on host mechanisms of defense versus bacterial endotoxins. Strong background in biochemistry is required and previous experience in enzyme purification and immunochemistry desirable. Send résumé and names of three professional references to: **Dr. Robert C. Skarnes, c/o Personnel Office, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, Mass. 01545.**

*An Equal Opportunity/Affirmative Action Employer*

### POSTDOCTORAL POSITION

To study the biosynthesis and processing of lysosomal enzymes in mouse macrophages. Will provide research training in the analysis of protein turnover by isotopic and specific antibody techniques and in mammalian biochemical genetics. Requirements are a Ph.D. in biochemistry, molecular biology, or cell biology. Experience in protein and/or carbohydrate biochemistry preferred. Salary starts at \$12,500 to \$15,700 depending upon experience. Available 1 July. Send curriculum vitae to: **Dr. Richard Swank, Department of Molecular Biology, Roswell Park Memorial Institute, 666 Elm Street, Buffalo, N.Y. 14263. An Equal Opportunity/Affirmative Action Employer.**

**POSTDOCTORAL POSITION** available now. Applicants to work in the areas of (i) physiology and genetics of the regulation of fibroblast and epithelial cell growth by hormones and growth factors, and (ii) the genetic basis of epithelial cell differentiation. The laboratory is situated in a Cell Biology Department with modern techniques in the areas of somatic cell genetics, cell fractionation, biochemistry, and electron microscopy. Salary negotiable and adjusted to New York City living expenses. Send résumé and names of three references to: **Dr. Harriet Meiss, New York University Medical Center, Cell Biology Department, New York, New York 10016. Affirmative Action/Equal Opportunity Employer.**

## POSITIONS OPEN

**POSTDOCTORAL POSITION** available immediately for individual with a strong background in biochemistry to work on the role of cyclic AMP in the regulation of differentiated cell surface and transport properties of fluid-transporting epithelial cell cultures. Send curriculum vitae and three letters of recommendation to: **Dr. Julia E. Lever, Department of Biochemistry and Molecular Biology, University of Texas Medical School, P.O. Box 20708, Houston, Texas 77025. An Affirmative Action/Equal Opportunity Employer.**

**POSTDOCTORAL POSITION.** Available 1 September 1979 for Ph.D. or M.D. Research concerns are regulation of pancreatic enzyme secretion in the rat, role of bile and pancreatic secretions in nutrition and in regulation of GI tract development and function, and fate of pancreatic enzymes in the intestine. Salary: \$11,000 to \$15,000. Send curriculum vitae and three letters of recommendation to: **Dr. Gary Green, Department of Medicine, Division of Human Nutrition, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, Texas 78284. An Equal Opportunity/Affirmative Action Employer.**

**POSTDOCTORAL POSITION**—Available for the period of 2 years to investigate pharmacologic receptors and neurotransmission in the eye. Familiarity with pharmacologic, analytical, biochemical and/or morphologic techniques is preferred. Candidate with Ph.D. (or equivalent) in pharmacology or neurobiology should apply. Salary: \$12,000 to \$13,000 per year. Send résumé and names of references to: **Professor P. N. Patil, Division of Pharmacology, College of Pharmacy, 500 West 12 Avenue, Columbus, Ohio 43210. An Equal Opportunity/Affirmative Action Employer.**

**POSTDOCTORAL POSITION** available on NIH training grant to study receptors for insulin and insulin-like growth factors on variant cell lines and somatic cell hybrids. Recent Ph.D. in biochemistry or cell biology preferred. Send résumé and names of references to: **Daniel S. Straus, Biomedical Sciences Division, University of California, Riverside, California 92521. Affirmative Action/Equal Opportunity Employer.**

**POSTDOCTORAL POSITIONS** (two) available immediately in well equipped biochemistry laboratories. (i) Mechanism of fatty acid biosynthesis in the laboratory of **Dr. Soma Kumar.** (ii) Mechanism of embryonic cell association and development in the laboratory of **Dr. David C. Yang.** Salaries range from \$10,000 to \$15,000, commensurate with experience. Send résumé and names of three references to one of the above faculty at: **Department of Chemistry, Georgetown University, 37th and O Streets, NW, Washington, D.C. 20057.**

**POSTDOCTORAL POSITION.** Available immediately for recent graduate. Require experience in mRNA purification and in vitro translation. One-year salary (\$11,000) guaranteed. Submit curriculum vitae and three letters of recommendation to: **Dr. Jack Silver, Scripps Clinic and Research Foundation, 10666 North Torrey Pines Road, La Jolla, California 92037. An Equal Opportunity Employer.**

Applications are invited for a **RADIATION BIOLOGIST** position, associate or assistant professor, effective July 1979. Ph.D., broad-based training/experience in radiobiology or in biology, minimum 2 years, faculty position in medical school, experience in radiation research (including ultrasound) in the fields of enzymology and molecular biology is desired. Contact: **Sharad Amtey, Ph.D., Department of Radiology, University of Texas Medical School at Houston, 6431 Fannin, Houston, Texas 77030. The University of Texas is an Equal Opportunity/Affirmative Action Employer.**

**RESEARCH ASSOCIATE.** Analytic-organic chemist with M.S. degree or equivalent experience in gas and liquid chromatography and methods development. Research will involve metabolism of organic substrates in biological systems. The location and nature of the position give ample opportunity to fulfill Ph.D. requirements. Local scientific community offers good incentives for research and study. Send résumé, with salary requirements, to: **J. W. Brown, Personnel Officer, Comparative Animal Research Laboratory, 1299 Bethel Valley Road, Oak Ridge, Tennessee 37830. An Equal Opportunity Employer.**

## POSITIONS OPEN

### POSTDOCTORAL/RESEARCH ASSOCIATE POSITIONS

The Nutrition and Metabolism Section of the new Cancer Center of the University of Louisville has two positions available at the postdoctoral/research associate level to conduct research on host/tumor metabolic interactions.

The requirements for one position are: Ph.D. in biochemistry, nutrition, or related field, with experience in small animal surgery, organ perfusion techniques, and metabolite assays.

The second position will be filled by either:

- 1) M.S./Ph.D. in chemistry, biochemistry, or related areas with experience in organic synthesis, GLC, and HPLC. Some knowledge of amino acid analysis and metabolism useful; or
- 2) M.S./Ph.D. in nutrition, biochemistry, or related field, experience in energy and protein metabolism, body composition analysis, balance studies in animals and/or man. Some experience in statistical analysis useful.

Salaries will vary from \$10,000 to \$15,000 depending on experience and qualifications.

Send curriculum vitae and names of three references to: **Dr. G. de Rosa, M.D., Ph.D., Cancer Center, University of Louisville, Health Sciences Center, P.O. Box 35260, Louisville, Kentucky 40232.**

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

**POSTDOCTORAL RESEARCH ASSOCIATE** (Ph.D.). Biochemistry/physiology of retina and ancillary tissues. Effects of nutrients with antioxidant activity of special interest. Requires strength(s) in one or more of: lipid chemistry/metabolism, enzymes, cell fractionation, histology, ultrastructure. Salary: \$12,000 to \$15,000, depending on training and experience. Available 1 July 1979. Résumé and three letters of reference to: **Dr. E. A. Dratz, Natural Sciences-II, University of California, Santa Cruz, Calif. 95064.**

**POSTDOCTORAL RESEARCH FELLOWSHIP IN THE ENZYMOLOGY AND CHEMISTRY OF DENITRIFICATION.** Available 1 September 1979 and renewable for a second year. Salary: \$10,000 to \$11,000 range, per NIH guidelines, plus certain fringe benefits. Send résumé and three references to: **Thomas C. Hollocher, Department of Biochemistry, Brandeis University, Waltham, Mass. 02254. An Equal Opportunity/Affirmative Action Employer.**

### QUANTITATIVE POLICY ANALYST

Faculty position available in the Program for the Analysis of Clinical Policies, Department of Engineering-Economic Systems, Stanford University. This program focuses on the quantitative analysis of clinical medical decisions. Initial responsibilities include being associate director of the program, managing research projects, and supervising research assistants and Ph.D. candidates. Teaching is primarily through workshops, seminars, and supervision of research. With time it is expected that the successful candidate will develop an independent research area, although continued interest in the analysis of medical problems is desirable. Candidates should have a Ph.D. in a quantitative field such as engineering, mathematics or economics, strong training in mathematical systems theory, probability theory, optimization, and decision theory, and a demonstrated record of successful original research. No prior knowledge of medicine is required. Rank and salary are open, depending on experience. Position leads to an adjunct professorship, a nontenured position that carries the rank and privileges of a full professorship, and requires the accomplishments and national recognition commensurate with a full professorship.

Applicants should send a résumé, copies of three articles, and a list of three references to: **David M. Eddy, M.D., Ph.D., Associate Professor, Engineering-Economic Systems, Terman Engineering Center, Stanford University, Stanford, Calif. 94305. Stanford University is an Affirmative Action/Equal Opportunity Employer.**

**RESEARCH ASSOCIATE** (Ph.D.) to study the mechanism of action of adrenocorticotropin in adrenal cell cultures. Ph.D. in biochemistry with experience in cell culture and interest in endocrinology preferred. Salary: minimum of \$14,500. Send curriculum vitae and references by 15 August 1979 to: **Dr. Bernard P. Schimmer, Banting and Best Department of Medical Research, University of Toronto, 112 College Street, Toronto, Ontario, Canada M5G 1L6.**



# Researcher

## Overseas Assignment

The Kuwait Institute for Scientific Research, a rapidly expanding institute for applied science and technology, is seeking a Researcher interested in a career challenge.

You should have a Ph.D. in Chemical Engineering or Civil Engineering with a minimum of 3 years' experience in Mix Design Core Analysis for road constructions.

Kuwait Institute offers attractive salaries commensurate with qualifications and experience, furnished housing, liberal fringe benefits including round trip air tickets and free medical benefits.

Please airmail your complete resume by **July 25, 1979** to: **Mr. Habib Al-Sahhaf, Personnel Manager, Kuwait Institute for Scientific Research, P.O. Box 24885, Safat, Kuwait, State of Kuwait.**

**Kuwait Institute for  
Scientific Research**

# MEDICAL OFFICER

The National Heart, Lung, and Blood Institute is seeking applicants for the position of Medical Officer in the Devices and Technology Branch of the Institute's Division of Heart and Vascular Diseases with an annual salary ranging from \$40,009—\$47,500. The Branch, part of the Division's Cardiology Program, has responsibility for planning, developing and administering research and development programs dealing with diagnostic and therapeutic cardiovascular devices and instruments. It currently supports biomedical, clinical and technical research with a budget of about \$20 million, equally divided between grants and contracts. Targeted, contract-supported activities are directed towards the research, development, and evaluation of circulatory assist devices, biomaterials, and noninvasive methods of detecting, characterizing, and quantifying atherosclerotic lesions. Grant-supported activities are ongoing in these program areas as well as other types of cardiovascular devices and instruments. The Branch requires a physician to participate with the Branch Chief and other members of his staff in the establishment of medical priorities and implementation and conduct of specific grant and contract programs.

Applicants should have an M.D. and Ph.D., or M.D. degree with demonstrated independence in basic or clinical research supported by grants and/or contracts. Medical training related to heart and vascular diseases is an important consideration; in addition, competence in either the chemical, physical or engineering sciences is desirable. The position to be filled is in the career Civil Service. Those interested in being considered for this position should submit an SF-171 (Personal Qualifications Statement) along with a Curriculum Vitae and Bibliography by July 20, 1979 to: Mr. Philip Lowengart, NHLBI Personnel Office, NATIONAL INSTITUTES OF HEALTH, Public Health Service, 9000 Rockville Pike, Building 31, Room 5A-32, Bethesda, MD 20205 or call (301) 496-6477. An Equal Opportunity Employer.

**NATIONAL INSTITUTES  
OF HEALTH**



## **EASTMAN KODAK COMPANY POST-DOCTORAL FELLOWSHIP AT NATIONAL BUREAU OF STANDARDS WASHINGTON, D.C. AREA**

Applications are invited for a Research Associate position in the Organic Analytical Research Division at the *National Bureau of Standards*. The project is part of an ongoing NBS effort to develop definitive methodology for serum analytes, with current emphasis on the quantitation of urea, creatinine, triglycerides, and bilirubin in serum.

A Ph.D. analytical biochemist or a Ph.D. physical/analytical chemist with biochemistry or protein chemistry background would be appropriate.

The associateship is supported by the Eastman Kodak Company and is available for one year, renewable for a second year if mutually agreeable.

Stipend will be \$22,000 per year, with an allowance for resettlement, travel to meetings, and travel to Rochester.

Interested persons should submit a complete resume, along with the names and addresses of three professional references, to: Wayne L. Winert, Business and Technical Personnel, Rochester, NY 14650, or by telephone at (716) 724-4607.

An equal-opportunity employer, m/f

## POSITIONS OPEN

### UNIVERSITY OF WASHINGTON DEPARTMENT OF GEOLOGICAL SCIENCES TWO VISITING PROFESSORSHIPS (1) Stratigraphy and (2) Mineralogy and Petrology

Applications are invited for two temporary positions for academic year 1979-1980. Teaching duties for stratigrapher include introductory paleontology and stratigraphy (one course) and senior-level stratigraphy course. Mineralogist expected to teach introductory mineralogy and introductory petrology. Other courses in areas of expertise of successful applicants can also be offered. Rank and salary commensurate with qualifications. Duration of appointment can be one, two, or three quarters. Applicants submit statement of teaching preferences, résumé, possible starting dates, and names of three references to: **Chairman, Department of Geological Sciences, AJ-20, University of Washington, Seattle, Washington 98195.** *The University of Washington is an Equal Opportunity/Affirmative Action Employer.*

### INTERNATIONAL LABORATORY FOR RESEARCH ON ANIMAL DISEASES (ILRAD) NAIROBI, KENYA

**RESEARCH ASSISTANT:** to work on immunology and parasitic diseases. There are three vacancies for research assistants in the laboratory of the director of ILRAD. The research assistants should be qualified and should have experience in tissue culture, immunology, or parasitic diseases.

**Terms:** the salary will depend on age and experience. Perquisites include moving allowance, housing and commutation allowance, medical and retirement benefits.

Application, with curriculum vitae and the names of three referees, should be submitted to:

**The Director  
ILRAD  
P.O. Box 30709  
Nairobi, Kenya**

to reach him not later than 13 July 1979.

Applications invited from persons holding Ph.D. or equivalent degree in biochemistry or allied fields for **RESEARCH ASSOCIATE OR POSTDOCTORAL FELLOWSHIP POSITION.** Prior experience in cell biology and peptide chemistry desirable. Candidate expected to participate in ongoing research programs on molecular biology of oocyte maturation, biochemistry of meiosis, regulatory mechanism of spermatogenesis, and action of choriogonadotropin. Send curriculum vitae, publications list, and names of three references to: **Dr. S. S. Koide, Population Council, Rockefeller University, 1230 York Avenue, New York, N.Y. 10021.**

The Australian National University invites applications for appointment as **RESEARCH FELLOW** in the Department of Experimental Pathology, John Curtin School of Medical Research. Research in this department has been on cardiovascular disease, earliest occlusive lesions, endothelial permeability and arterial grafting; topography, differentiation and regression of vascular beds; neoplasia, cyclic nucleotide metabolism and levels in body fluids for cancer diagnosis, effects of ionizing radiation on mammalian tissues, and degeneration and repair with fibrous tissue contraction, the induction and treatment of arthritis and study of local and systematic changes associated with inflammation; the mechanisms of cellular and subcellular motility, using cinephotomicrographic, fine structural, cytochemical, and biochemical techniques. The appointment normally will be for 2 years but in exceptional circumstances may be for 3 years and extended to a total period of 5 years. It is hoped that the successful candidate will be able to take up the appointment by September 1979. Applicants should arrange for reports from three academic referees to be sent to the registrar in support of their application. Commencing salary within the range of A\$15,786 to A\$20,606 per annum. Present exchange rates are: A\$1 : NP53 : U.S.\$1.11. A salary loading of up to \$2,500 per annum may be paid to an applicant holding appropriate medical qualifications. Further information may be obtained from: **the Acting Head of the Department (Dr. W. J. Cliff).** Applications should be sent to: **Registrar, Australian National University, P.O. Box 4, Canberra ACT 2600, Australia,** before the closing date, 30 June 1979.

## POSITIONS OPEN

### UNIVERSITY OF MARYLAND SCHOOLS OF MEDICINE AND PHARMACY

**RADIOPHARMACEUTICAL CHEMIST.** The University of Maryland is soliciting applicants for a joint appointment in the Departments of Medicinal Chemistry/Pharmacognosy and Medicine. Applicants must be experienced in the development of new radiopharmaceuticals. Salary and academic rank dependent on background and experience. Please send curriculum vitae to: **Dr. Ralph Blomster, Chairman, Department of Medicinal Chemistry and Pharmacognosy, School of Pharmacy, University of Maryland at Baltimore, 636 West Lombard Street, Baltimore, Maryland 21201.**

**TEMPORARY RESEARCH ASSOCIATE OR INSTRUCTOR.** Position available 18 August 1979, for Ph.D. or D.V.M. trained respiratory physiologist with large animal experience to participate in ongoing studies of bovine respiratory disease. Possible 3-year commitment. Stipend: \$11,000 or more, depending on experience. Send résumé and names of three references to: **Dr. M. R. Fedde, Department of Anatomy and Physiology, Kansas State University, Manhattan, Kansas 66506** by 1 July 1979.

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

**RESEARCH ASSOCIATE (Special)**—Department of Radiology and Radiation Biology. Responsibilities: to oversee and bring to fruition experiments in three different research areas: (i) late effects from heavy ion irradiation in mammalian tissues, (ii) aging of the central nervous system, and (iii) cellular and molecular repair mechanisms.

**Qualifications:** At least 3 years of postdoctoral experience in the areas listed above. Training or experience in: radiation dosimetry; tumor pathobiology; mammalian tissue culture and cell synchrony techniques including the establishment and propagation of primary cultures; experience with small laboratory animals (for example, mice and rabbits); proven experience in general laboratory administration.

**Additional qualifications include:** degree in chemistry or biochemistry; some familiarity with zonal ultracentrifugation techniques; experience in the writing, proofreading, and editing of manuscripts; some teaching experience at the university level.

Salary: \$15,500 per annum.

Starting date: 1 August 1979.

Application deadline: 1 July 1979.

Contact: **Professor J. T. Lett, Department of Radiology and Radiation Biology, Colorado State University, Fort Collins, Colorado 80523.**

*Colorado State University is an Equal Opportunity/Title IX Employer. Equal Opportunity Office: 314 Student Services Building.*

**RESEARCH IMMUNOLOGIST** to work in newly established rheumatology-immunology laboratory. Applicant must have Ph.D. degree in immunology with experience in cellular immunology. Starting salary: \$23,087; excellent fringe benefits. Contact: **William Gallo, Personnel Service, VA Medical Center, Danville, Illinois 61832; telephone: 217-442-8000, extension 236.** *Equal Opportunity Employer.*

### UPPER OCEAN DYNAMICIST

An academic position (tenure-earning track) is presently available at the assistant professor level in the Department of Oceanography, Naval Postgraduate School (NPS). An ocean dynamicist involved in the modeling of the upper ocean is sought. The candidate should be competent in the analysis of pertinent observations, have some at-sea experience, and be able to teach a variety of graduate courses in physical oceanography. The NPS has access to excellent computer, data archive, and research vessel facilities. The Department of Oceanography has a faculty of 15 and emphasizes faculty and student research in upper ocean and air-sea interaction processes. There is a student body of 80 to 100. Salary will be determined by qualifications of the successful candidate. By 1 September, send curriculum vitae, the names and addresses of three references, and a statement of research and instructional interests to:

**Faculty Search Committee  
Department of Oceanography  
Naval Postgraduate School  
Monterey, Calif. 93940**

Visits by top candidates will be scheduled for September and October. A decision will be attempted by 1 November, and the position should be occupied by about 1 January 1980. *The Naval Postgraduate School is an Equal Opportunity Employer.*

## POSITIONS OPEN

Position available August 1979 for a **POSTGRADUATE RESEARCH BIOLOGIST** to study the structure and regulation of tubulin genes using recombinant DNA technology. Applicants must have a background in nucleic acid biochemistry. Salary will be commensurate with experience and qualifications. Salary range: \$11,880 per year to \$14,916 per year. Please send résumé and three letters of reference by 1 July 1979 to:

**Dr. Robert N. Bryan  
Department of Biology, B-022  
University of California, San Diego  
La Jolla, Calif. 92093**

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

## RESEARCHERS— DRUG METABOLISM/ ANALYTICAL

We are currently seeking a Ph.D. with post-doctoral training who is skilled in modern separation and quantitative analytical techniques in the quantitative determination of xenobiotics in biological fluids.

The position requires academic training in drug disposition. In addition, applicants should have an excellent publication record plus 3 to 5 years of experience (radiometry, HPLC, gas chromatography, radioimmunoassay, and so forth).

If interested, please send résumé and salary requirements to: **Vaughn L. Swope**

**Merck Sharp & Dohme  
Research Laboratories  
West Point, Pa. 19486**

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Two **RESEARCH FELLOW** positions. One in **CONNECTIVE TISSUE RESEARCH** (available immediately) for Ph.D. or M.D. to study fibroblast adhesion to collagen and fibrin substrata; one in **BIOMATERIALS RESEARCH** (available November 1979) for Ph.D. or M.D. to study plasma fibronectin adsorption to substrata. Appointments for 2 years; starting salary: \$12,000. Interested applicants send curriculum vitae and names of three referees to: **Dr. Frederick Grinnell, Department of Cellular Biology, University of Texas Health Science Center, Dallas, Texas 75230.** *An Equal Opportunity/Affirmative Action Employer, M/F/H.*

**RESEARCH OCEANOGRAPHER.** GS-13 (salary range: \$27,453 to \$35,688). The Great Lakes Environmental Research Laboratory of National Oceanic and Atmospheric Administration (NOAA) in Ann Arbor, Michigan, is seeking an individual to assist in the formulation of analytical and numerical models pertaining to sediment resuspension and movement induced by waves and the currents in the Great Lakes. Research is aimed at furthering the knowledge of: (i) the wave processes, (ii) the role of waves and currents in sediment water exchange processes, (iii) the consequent effect of sediment-water interaction on the nutrient distribution in the water column and its impact on water quality and ecosystem models. Qualifications: B.S. or higher degree in physical oceanography, meteorology, or other appropriate physical science plus 3 years of professional experience, including theoretical and experimental research on dynamics of waves and/or dynamics of particles in aquatic environment, and appropriate publications. In the event a candidate with suitable qualifications and experience is not available, this position may be filled at the GS-12 or -11 level (salary range: GS-12: \$23,087 to \$30,017; GS-11: \$19,263 to \$25,041). Additional technical information may be obtained by telephoning **Dr. Rao** at 313-668-2279. Secure application form (SF-171) and CSC Form 1170-8 from any Federal Personnel Office or Office of Personnel Management and submit along with a transcript to: **NOAA/NTIA, Personnel Services Division (R566), Boulder, Colorado 80302.** Attention: **Ms. Stoll.** Reference vacancy NOAA/ERL-79-141LS. Applications must be postmarked no later than 3 August 1979 to receive consideration. *An Equal Opportunity Employer.*

# REQUEST FOR NOMINATIONS FOR NIH COUNCIL VACANCIES

As a follow-up to the recent request by the National Institutes of Health (NIH) for nominations for vacancies on its scientific review groups, the NIH now invites nominations for membership on its national advisory councils and boards (hereinafter referred to as councils). Each of the NIH bureaus, institutes and divisions (BIDs) awarding grants has a national advisory council whose members generally are leaders in the fundamental sciences, medical sciences, education, or public affairs.

The councils review and evaluate program accomplishments and help to identify and resolve problems in program planning and development. They provide guidance to the programs of the BIDs in the context of national health needs as part of their statutory responsibilities to "...advise, consult with, and make recommendations to..." the Secretary, HEW, on "...matters relating to health activities...". The councils consider the impact of BID decisions on grantee institutions. Also the councils provide final review for merit and program relevance of all applications for research grants, Institutional National Research Service Awards, and other grant applications that require such approval under the Public Health Service Act.

Members are reimbursed for expenses and, in most instances, are provided a consultant's fee for their services.

Information regarding the functions of each committee, the expertise required, the criteria for membership, and the number of anticipated vacancies for terms beginning November 1, 1980, has been published in the Guide for Grants and Contracts, Volume 8, No. 6, dated May 4, 1979. Those who do not routinely receive the Guide may obtain a copy by writing to Ms. Joan Bailey, Division of Resources Analysis, Office of the Director, National Institutes of Health, Public Health Service, Building 31, Room 1B58, Bethesda, MD 20205.

Any person may nominate one or more candidates for consideration on one or more specific councils. Self nominations are accepted. The NIH has a special interest in assuring that women and ethnic minorities are adequately represented on advisory councils and particularly encourage their nominations. All nominations will receive careful consideration; however, appointment authority resides with the Secretary, HEW.

Nominations must be submitted by August 1, 1979, for terms generally beginning November 1, 1980, and will be solicited annually thereafter. Equal Opportunity Employer.

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## PHARMACOLOGIST

BURROUGHS WELLCOME CO., a long established manufacturer of pharmaceuticals with a top reputation for research, has immediate need for a Pharmacologist to supervise some autonomic and cardiovascular screening procedures and to assist in the development of new pharmacological techniques.

The ideal candidate will have a M.S. Degree in physiology/pharmacology or a B.S. degree with graduate level courses in physiology/pharmacology. Extensive pharmacological experience is required. Experience in an industrial environment is highly desirable.

BURROUGHS WELLCOME CO.'s research facilities are located in the beautiful Research Triangle Park area of North Carolina. This area, surrounded by Durham, Raleigh and Chapel Hill, provides not only superior living and recreational opportunities, but also has moderate winters and a reasonable cost of living.

BURROUGHS WELLCOME CO. offers a comprehensive, company-paid benefit package and a challenging research environment in which to apply your professional capabilities. In addition, this position offers a competitive salary commensurate with experience/training and a liberal relocation program.

Candidates interested in joining an innovative, dynamic organization should **immediately** forward a detailed curriculum vitae or resume to the Employment Supervisor at the address listed below. If an up-to-date c.v./resume is not readily available, call (collect) (919) 541-9090, Ext. 4292 and request an application.



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## POSITIONS OPEN

### RESEARCH OPPORTUNITY IN HAWAII AND THE MARSHALL ISLANDS

An opportunity exists for a research scientist at Enewetak Atoll at the Mid-Pacific Research Laboratory, which is run by the Hawaii Institute of Marine Biology of the University of Hawaii on a contract with the Department of Energy. The applicant is expected to develop a research program in coral atoll biology and is responsible for the laboratory's administration, dividing his/her time between Enewetak and Hawaii.

Preference will be given to biologists or chemists with biological interests in atoll ecosystems.

Interested applicants should send curriculum vitae, together with a letter suggesting the kind of research program they would initiate and summarizing their administrative experience, to:

Dr. Victor R. Johnson, Jr.  
Mid-Pacific Research Laboratory  
P.O. Box 1346  
Kaneohe, Hawaii 96744

**RESEARCH TECHNOLOGIST** to work with Ph.D. biochemist in newly established clinical Liver Unit and research laboratory. Must have B.S. in medical technology, chemistry, or related fields; experience in protein chemistry desirable. Salary to \$12,000. Contact: William Gallo, Personnel Service, VA Medical Center, Danville, Ill. 61832; telephone: 217-442-8000, extension 236. An Equal Opportunity Employer.

### UNIVERSITY OF CALIFORNIA, RIVERSIDE

The Black Studies Program at the University of California, Riverside, seeks a **SOCIAL SCIENTIST** with the Ph.D. degree who has research and training interests in child psychology, human development, social psychology, the black family, or educational testing, especially as these areas pertain to Afro-Americans. A tenure-track appointment in Black Studies and either the Psychology or Sociology Department will be made at the assistant professor rank. Closing date for application is 30 June 1979. Please send letters of application with curriculum vitae to: David H. Warren, Dean, College of Humanities and Social Sciences, University of California, Riverside, California 92521.

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

### STAFF POSITIONS DEPARTMENT OF NEUROLOGY SCHOOL OF MEDICINE

Faculty positions are available in clinical neurology (two): child and adult neurology and adult neurology with special expertise in clinical neurophysiology. Rank dependent upon qualifications. Board-certified or -eligible. Competence in clinical neurology and clinical laboratory investigation. Submit curriculum vitae, bibliography, succinct outline of research experience, and research to be undertaken by 1 September 1979 to: Chairman, Neurology Department, c/o Dean's Office, School of Medicine, State University of New York at Stony Brook, Long Island, New York 11794. An Affirmative Action/Equal Opportunity Employer.

### WILDLIFE BIOLOGIST Washington State University

Seeking candidates with research experience in mammalian or avian biology. Assistant professor; permanent; academic year. Should have Ph.D. in wildlife biology with interest in research and teaching. Teach one course per semester which may include wildlife ecology, mammalogy, or a course in specialty; advise students, and develop research relevant to wildlife in Pacific Northwest. Send letter of application, transcripts from all colleges and universities attended, résumé, and three letters of recommendation by 1 August 1979 to:

Dr. Charles T. Robbins  
Search Committee Chairman  
Wildlife Biology—Department of Zoology  
Washington State University  
Pullman, Washington 99164

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## POSITIONS OPEN

### SENIOR RESEARCH ASSOCIATE

A senior research associate to supervise Clinical Cytogenetics Laboratory and to participate in research relating to genetic aspects of malignancy. Must have a Ph.D. in genetics and 3 years of clinical experience. Send résumé, three references, and reprints to: D. M. Goldenberg, Sc.D., Ph.D., University of Kentucky, Medical Center MS 409, Lexington, Ky. 40356. Equal Opportunity Employer.

## TRAVEL GRANTS

### \$ FOR NATURAL SCIENTISTS \$ \$ FOR SOCIAL SCIENTISTS \$

Faculty members in colleges in Florida, Kentucky, Louisiana, and Tennessee may apply for supplemental small grant assistance (average \$500) for travel to use facilities and equipment not available locally and needed in research. Write: Small Grants Program, Southern Regional Education Board, 130 Sixth Street, NW, Atlanta, Georgia 30313.

## SYMPOSIUM

11 to 16 September 1979

Satellite Symposium of the Seventh International Meeting of the International Society for Neurochemistry on Serotonin-Current Aspects of Neurochemistry and Function, to be held in Athens, Greece, 11 to 16 September 1979. Details from: Dr. B. Haber, Chairman, Organizing Committee, Marine Biomedical Institute, University of Texas Medical Branch, 200 University Boulevard, Galveston, Texas 77550, or Professor S. Alivisatos, President, Local Organizing Committee, Department of Physiology, University of Athens Medical School, Athens, 609, Greece.

## CONFERENCE

The Endocrine Society and the National Institute on Aging are jointly sponsoring a **Conference on the Endocrine Aspects of Aging**, 18 to 20 October 1979 at the Holiday Inn, Bethesda, Md. Subjects covered include hormone receptors, neuroendocrine transduction, male and female reproductive physiology, calcium and bone metabolism and diabetes. Participation is limited. Those wishing to attend please contact: Stanley G. Korenman, M.D., 16111 Plummer Street, Sepulveda, Calif. 91343.

## PERIODICAL SEARCH

Wanted for *Science's* archives. Original issues of 1880-1882 *Science* (subtitled "A Weekly Record of Scientific Progress"). The first issue was dated 3 July 1880; the last was dated 4 March 1882. We want to assemble a full set of the 82 published issues of this early journal, the forerunner of the present *Science*. If you have any issues of the 1880-1882 *Science* that you would be willing to part with, please write: Janet Kegg, Library, American Association for the Advancement of Science, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005, or telephone 202-467-4428.

## FELLOWSHIPS

### POSTDOCTORAL FELLOWSHIP— CARDIAC ELECTROPHYSIOLOGY

A fellowship in cardiac electrophysiology (\$10,000 to \$13,000, depending upon background and experience) is available 1 July 1979. The area of research is primarily cellular and in situ cardiac electrophysiology in experimental myocardial ischemia (70 percent effort) with the remaining time flexible in regard to other projects in cardiac electrophysiology. For further information write: Dr. Robert J. Myerburg, Division of Cardiology, Department of Medicine, University of Miami School of Medicine, P.O. Box 016960, Miami, Florida 33101.

## FELLOWSHIPS

**POSTDOCTORAL FELLOWSHIP.** Projects involve pharmacology of CNS cardiovascular control and hypertension. Background in cardiovascular physiology or pharmacology. Experience in CV measurements on cats and rats, intracerebroventricular injection and sympathetic nerve recording useful. Starts 1 July 1979 for 3 years. NIH support. Dr. Elliott Mills, Department of Pharmacology, Duke University Medical School, Durham, N.C. 27710, telephone: 919-684-4276. Duke University is an Equal Opportunity/Affirmative Action Employer.

**POSTDOCTORAL FELLOWSHIP.** Tissue culture and hormone receptor studies in mammary cancer. Send curriculum vitae and names of three references to: Research Institute, Hospital for Joint Diseases (affiliated with the Mount Sinai School of Medicine), 1919 Madison Avenue, N.Y., N.Y. 10035.

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### POSTDOCTORAL FELLOWSHIPS CIIT

Positions are available for advanced training and research in genetic toxicology, teratology, pathology, toxicology, and biochemical toxicology. Chemical Industry Institute of Toxicology (CIIT) places emphasis on scientific research and professional development. CIIT fellows undertake research programs based on an interdisciplinary approach to understanding the nature and mechanisms of toxic effects induced by chemical exposure. Publication of results is encouraged. Appointments are for 1 year; renewable for a second year. Candidate should have a doctoral degree in toxicology or its ancillary disciplines with proven research potential. For information, send curriculum vitae to:

Coordinator of Training  
Chemical Industry Institute of Toxicology  
P.O. Box 12137  
Research Triangle Park, N.C. 27709  
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