

## POSITIONS WANTED

**Pharmacologist**, Ph.D. with a B.S. in pharmacy, seeks teaching and/or research position. Teaching experience. Active research program. Available March 1977. Box 508, SCIENCE. X

**Pharmacologist** (Ph.D. expected January 1977). Broad background includes anti-inflammatory screening (dissertation), cardiovascular pharmacology (M.S. thesis), bioassay and biometrics, screening of natural products, some biochemical pharmacology, and some neuropharmacology. Seeks postdoctorate traineeship (no teaching) or research position in industry. Box 501, SCIENCE. X

**French Pharmacologist**, D.V.M. Three years of postdoctoral experience in pharmacology (cardiovascular, digestive, biostatistics, computer analysis). Assistant head of pharmacology department (45 persons) in French research center (industry). Seeks research position to complete experience and background, industry/government. Replies to: Feinberg, 29 Rue Blanc, 75010 Paris, France. X

**Physical Geographer-Quaternary Geologist-Geomorphologist**, Ph.D., publications, 12 years of teaching. Seeks geology or geography position. Especially interested in cooperative teaching and research with archeologists-anthropologists. Box 521, SCIENCE. X

**Physiological Psychologist**, college teacher seeks research-teaching position. Interdisciplinary background, eye movements, SP, EEG, massed units, biofeedback, electronics. Academic and industrial experience. Box 522, SCIENCE. X

**Physiologist**, Ph.D. 1974. Postdoctoral and medical school teaching experience. Trained in physiology of aging; muscle biochemistry; cardiovascular system. Publications. Seeks academic appointment. Box 523, SCIENCE. X

**Publications Director**, highly experienced, imaginative, seeks challenging position. Broad background in scientific research, publishing, and management. College text author, M.S. level education. Box 524, SCIENCE. 11/26; 12/3, 10, 17

**Science Copy Editor**, 7 years of experience with university press, member CBE, excellent references, will relocate. Box 510, SCIENCE. X

## POSITIONS OPEN

The Department of Neurosciences, University of California, San Diego, invites applications for a position as **ADJUNCT ASSISTANT PROFESSOR** to become available January 1977. Salary: \$20,900 to \$22,200. The candidate (Ph.D.) must have demonstrated ability to carry out research in area of vestibular physiology or related field of sensory physiology, including experience in electrical recording techniques and small animal surgery as well as teaching experience in the area of neurosciences. Send curriculum vitae and bibliography to **Search Secretary, Department of Neurosciences, M-008, University of California, San Diego, La Jolla, Calif. 92093**. Closing date is 24 December 1976. *The University of California, San Diego is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

### ANATOMISTS

Three assistant professors, Ph.D. or M.D., with postdoctoral research and teaching experience and ability to develop independent research programs; with research interests in cell biology (developmental biology or neurobiology); and with teaching interests in gross anatomy or microscopic anatomy or neuroanatomy. Send curriculum vitae to **Dr. G. Gordon Robertson, Department of Anatomy, University of Tennessee Center for The Health Sciences, Memphis, Tennessee, 38163**. *We are Equal Opportunity, M/F/Affirmative Action Employer.*

**ANATOMISTS**. Two positions available in established, active department. One in gross anatomy. Salary and rank dependent upon qualifications. Send curriculum vitae, references, and statement of research plans to: **Dr. Dale E. Bockman, Department of Anatomy, Medical College of Georgia, Augusta, Georgia, 30902**. *An Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### ANATOMY PATHOLOGY

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

### ANIMAL PHYSIOLOGIST

Assistant professor to conduct active research program in physiology, to interact with other faculty and graduate students, to teach undergraduate vertebrate physiology in one semester, and one specialty graduate level course in the alternate semester. To start 1 September 1977. New building, excellent EM and computing facilities. Submit curriculum vitae, transcripts or records, publications, three letters of recommendation, and statement of research and teaching interests to: **Dr. Theodore J. Crovello, Chairman, Department of Biology, University of Notre Dame, Notre Dame, Indiana 46556**. *The University of Notre Dame is an Affirmative Action Employer. Qualified women and minority group candidates are urged to apply.*

The Research Institute of Pharmaceutical Sciences (RIPS), School of Pharmacy, University, Mississippi, is seeking candidates for **ASSISTANT DIRECTOR OF PHYSICAL SCIENCES**. Candidates with a B.S. in pharmacy and a Ph.D. in related life science field are of particular interest. Salary will be commensurate with experience and equivalent academic positions. Interested persons should send biographical data, publications, and so forth, to **Dr. Carlton Turner, Associate Director, RIPS, School of Pharmacy, University, Miss. 38677**. *An Equal Opportunity/Affirmative Action Employer.*

University of Pennsylvania seeks up to two **ASSISTANT PROFESSORS** in any area. Applications especially invited from those who would enhance the balance of the department by strengthening under-represented fields, whether they be recent or more experienced Ph.D.'s. Duties include undergraduate and graduate teaching, and research. Send curriculum vitae, relevant papers (including dissertation summary), statement of research plans, and three to five letters of recommendation to: **Personnel Search Committee, Department of Psychology, University of Pennsylvania, 3815 Walnut Street, Philadelphia, Pa. 19174**. *We are an Equal Opportunity Employer.*

**ASSISTANT PROFESSOR OF BIOLOGY**: regular position available September 1977. Ph.D. and college teaching experience required. Background in general ecology, physiological ecology, and animal physiology expected; teaching includes general biology, ecology, and some physiology. Salary open. Send curriculum vitae and references to **Dr. Arlan L. Edgar, Chairman, Biology Department, Alma College, Alma, Michigan 48801**. *An Equal Opportunity/Affirmative Action Employer.*

### ASSISTANT PROFESSORS OF BIOLOGY

The Department of Biology at the University of South Florida is seeking applications for two faculty positions at the rank of assistant professor. Starting date: September 1977.

- 1) **Molecular geneticist**
- 2) **Vascular plant systematist** with expertise in chemical, cytological, and so forth, techniques.

The Ph.D. degree is required and preference will be given to individuals having postdoctoral and/or teaching experience. Applicants should send a curriculum vitae and solicit three letters of recommendation. Recent Ph.D.'s should include a graduate transcript. The University has an enrollment of 23,000 students. The Department of Biology offers 8 degrees including the Ph.D. and has a full time faculty of 33. Communications should be addressed to:

**Search Committee  
Department of Biology  
University of South Florida  
Tampa, Florida 33620**

Applications should be received no later than 15 January 1977. *The University of South Florida is an Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

**ASSISTANT PROFESSOR OF ANATOMY** starting 1 July 1977. Ph.D. in anatomy or related biological field with postdoctoral experience teaching histology/embryology for 1 to 3 years. Salary \$18,000 range. Advancement based primarily on excellence in teaching; some research opportunities available. **Box 518, SCIENCE**. *An Affirmative Action/Equal Opportunity Employer.*

**ASSISTANT PROFESSOR OF BIOCHEMISTRY**. Basic medical science teaching position for a human nutritionist with a solid background in biochemistry or a biochemist with expertise in human biochemistry. Candidate for the assistant professor position should be an enthusiastic teacher, whose primary responsibility will be the teaching of osteopathic medical students, using a modern systems approach. Send curriculum vitae and bibliography. Include the names, addresses, and phone numbers of three references, but do not have letters of recommendation sent at this time. Address correspondence to: **Gene Yonuschot, Ph.D., West Virginia School of Osteopathic Medicine, 400 North Lee Street, Lewisburg, West Virginia 24901**. *An Affirmative Action/Equal Opportunity Employer.*

### ASSISTANT PROFESSOR OF MICROBIOLOGY

The Department of Microbiology, College of Medicine and Dentistry of New Jersey—Rutgers Medical School, is accepting applications from individuals with an M.D. or Ph.D. degree and postdoctoral experience in molecular aspects of immunobiology, cellular physiology, or virology. Responsibilities will include participating in departmental teaching program for medical and graduate students and developing independent research program. Willingness and ability to collaborate with others as well is important. Address inquiries, including curriculum vitae, bibliography, and three letters of recommendation to **R. Walter Schlesinger, M.D., Chairman, Department of Microbiology**.

**College of Medicine and Dentistry of New Jersey  
Rutgers Medical School  
P.O. Box 101  
Piscataway, N.J. 08854**

*An Equal Opportunity/Affirmative Action Employer*

### ASSISTANT PROFESSOR OF PHYSIOLOGY

Applicant must have strong background in central control of breathing and especially in electrophysiology and central neurophysiology. Apply with curriculum vitae and names of two references to: **S. M. Tenney, Department of Physiology, Dartmouth Medical School, Hanover, N.H. 03755**.

*Equal Opportunity Employer*

**ASSOCIATE PROFESSOR OF PHARMACOLOGY AND MEDICINE**. Activities include teaching in pharmacology and collaborative research on pharmacologic control of hepatic and biliary lipid metabolism, and gastroenterologic disease. Applicant should possess the Ph.D. or M.D. and not less than 5 years postdoctoral experience in lipid research. Submit curriculum vitae and references to **Dr. Murray Heimberg, Department of Pharmacology, School of Medicine, University of Missouri, Columbia, Missouri 65201**. Closing date: 1 January 1977. *An Equal Opportunity/Affirmative Action Employer.*

### ASTRONOMER

Haverford College is seeking an assistant professor for a 3-year appointment. Teaching/research on stellar interiors or atmospheres, stellar evolution, and/or nuclear astrophysics. Good students and a lively intellectual community between New York and Washington. Write **Professor R. Bruce Partridge, Haverford College, Haverford, Pa. 19041**, or telephone 215-649-9600. *An Affirmative Action/Equal Opportunity Employer.*

**BIOCHEMIST**. We are seeking a biochemist to join our research group working on the environmental distribution of N-nitrosamines. Candidates must have a Ph.D. or equivalent, 2 to 5 years experience, plus a demonstrated excellence in research as demonstrated by a credible publication record. Please send curriculum vitae, list of publications, and the names of three persons to be contacted for references to: **Personnel Office, Thermo Electron Corporation, 101 First Avenue, Waltham, Massachusetts 02154**. *An Equal Opportunity Employer.*

## POSITIONS OPEN

### ASSISTANT PROFESSOR, ZOOLOGY UNIVERSITY OF IDAHO

Position open for qualified, research oriented developmental biologist with Ph.D. to teach basic principles course in biology to undergraduate students. Strong background in zoology with additional strength in areas such as embryology, cell biology, and biochemistry, is recommended. Opportunity to initiate a course in developmental biology. Postdoctoral research training highly desirable. Send curriculum vitae, list of publications, and names and addresses of three references to:

**Dr. Kenneth A. Laurence**  
Department of Biological Sciences  
University of Idaho  
Moscow, Idaho 83843

Closing date for applications is 15 January 1977. *The University of Idaho is an Affirmative Action/Equal Opportunity Employer.*

### BIOCHEMISTRY FACULTY POSITIONS

Applications are invited for two anticipated faculty appointments, one at the assistant professor and one at a senior level. Subject to budgetary approval the positions are expected to commence about July 1977. At least one of the research areas represented should be relevant to a biochemical understanding of higher eukaryotic (plant or animal) processes, such as differentiation, development, or regulation. Candidates should have demonstrated outstanding research potential and a continuously high level of productivity and originality throughout their careers. In addition, a relevant background in biochemistry and a strong capability for instruction in both formal classroom and informal teaching environments are prerequisite. Applicants should send a curriculum vitae, bibliography, a summary of teaching and research objectives, and copies of two representative publications. It would also be useful to have three reference letters sent. All material should be forwarded to **S. M. Linn, Chairman of the New Staff Committee, Department of Biochemistry, University of California, Berkeley, Calif. 94720.** Applications should be received prior to 1 January 1977. *The University of California is an Equal Opportunity/Affirmative Action Employer. We encourage applications from women and minority candidates.*

**BIOLOGIST:** Ithaca College anticipates an opening for a full-time, permanent position in biology. Preference given to applicants whose training is broad enough to permit them to teach introductory biology courses and who have sufficient advanced academic work to qualify them to teach introductory and advanced courses in development and/or genetics. Applicants must demonstrate a commitment to excellence in undergraduate teaching and continued research as a part of that commitment. Send letter of application, curriculum vitae, and names of referees to **Dr. S. R. Thompson, Department of Biology, Ithaca College, Ithaca, New York 14850,** by 10 January 1977.

*Ithaca College is an Equal Opportunity/Affirmative Action Employer.*

### BIOMETRICIAN University of Alaska

The Institute of Arctic Biology is seeking a biometrician at the assistant professor level to help in experimental design and analytical methods and to assist in development of simulation models for a wide range of research topics dealing with arctic and subarctic ecosystems in Alaska and especially for the fire ecology research program currently being conducted in the taiga spruce ecosystem.

Applicants must have the Ph.D. degree. Preference will be given for northern, interdisciplinary, environmental research experience at the postdoctoral level. The successful candidate will be expected to develop independent and cooperative research programs with other University faculty through acquisition of grants and contracts and to participate in undergraduate and graduate student training.

Candidates should send curriculum vitae, reprints of publications, a statement of their research interests and how these can be related to northern problems and have three letters of recommendation sent to **Dr. Keith Van Cleve, Forest Soils Laboratory, University of Alaska, Fairbanks, Alaska 99701** by 15 January 1977.

*An Affirmative Action/Equal Opportunity Employer*

## POSITIONS OPEN

**BIOLOGIST** for 1 year to teach undergraduate courses in microbiology and cell biology. Assistant professor level. Other duties open but interest in genetics desirable. Submit curriculum vitae and names of references to **Dr. Eli Minkoff, Biology Search Committee, Bates College, Lewiston, Maine 04240** by 15 January 1977. *An Equal Opportunity/Affirmative Action Employer.*

**BIOLOGY FACULTY** position available. Assistant professor, Ph.D. required. Starting August 1977. Salary \$13,500 to \$14,000 per academic year. Appointment to teach embryology, histology, general biology. Candidates must have the potential to be excellent teachers as well as researchers. Send curriculum vitae, undergraduate and graduate transcripts, and three letters of reference to **Dr. J. S. McDaniel, Department of Biology, East Carolina University, Greenville, N.C. 27834.** Closing date: 1 February 1977. *Equal Opportunity/Affirmative Action Employer.*

**CANCER IMMUNOLOGIST.** Faculty position of appropriate rank available for individual with strong background in cell-mediated immunity to join cancer immunology group. Must be capable of developing independent projects and interact with others in basic and clinical oncology research; minimal teaching. Send curriculum vitae and three references by 31 December 1976 to **Dr. David M. Goldenberg, Division of Experimental Pathology, University of Kentucky College of Medicine, MDRF #3, Lexington, Kentucky 40506.** *An Equal Opportunity/Affirmative Action Employer.*

Productive **CANCER RESEARCHER** interested in expanding his/her ongoing program in a stimulating environment. Adequate space and facilities available for qualified investigator. Nonprofit university-affiliated cancer institute located in medical center complex. University appointment. Basic research, non-clinical, but clinical cooperation available. All fringe benefits, excellent salary. *Equal Opportunity/Affirmative Action Program. Box 525, SCIENCE.*

### CHAIRPERSON DEPARTMENT OF BIOCHEMISTRY

Applications and nominations are invited for the chairmanship of the Department of Biochemistry, Emory University School of Medicine. Candidates should be outstanding scholars and have a firm commitment to medical and graduate education. Curriculum vitae and list of publications should be sent to: **Dr. Jack L. Kostyo, Department of Physiology, Emory University School of Medicine, Atlanta, Georgia 30322.** *An Equal Opportunity/Affirmative Action Employer.*

**CHAIRPERSON,** Department of Chemistry. Thirteen-person faculty, undergraduate and graduate programs. To perform teaching and research. Begin fall 1977. Must have Ph.D. degree and evidence of success in following areas: a vigorous research program supported by outside grants; effective undergraduate and graduate teaching; and proven administrative ability. Salary and rank, open. Application deadline: 15 January 1977. Send résumé to **Dr. Charles A. Panetta, Professor of Chemistry and Chairman of the Search Committee, Department of Chemistry, University of Mississippi, University, Mississippi 38677.** *Equal Opportunity Employer.*

### THE UNIVERSITY OF NEBRASKA-LINCOLN DEPARTMENT OF CHEMISTRY

#### Openings for

**Two senior faculty;** salary and conditions open. Any area of specialization.

**Two junior faculty;** tenure track. One organic chemist. One physical chemist preferably with interdisciplinary interests.

These positions are the result of a major development program resulting from state legislative action designating the Department for special emphasis. We are well equipped and housed in modern, spacious facilities.

We seek individuals dedicated to research and education, and ask that you send nominations or applications to:

**Dr. G. G. Meisels, Chairman**  
Department of Chemistry  
University of Nebraska  
Lincoln, Nebraska 68588

*We are an Equal Opportunity/Affirmative Action Employer and welcome particularly applications from minority members and women.*

## POSITIONS OPEN

### CHAIRMANSHIP DEPARTMENT OF CHEMISTRY UNIVERSITY OF PENNSYLVANIA

Applications are solicited for this position to begin in July 1977. Applicants should have demonstrated capabilities in teaching and research. Candidates or their proposers should write to **Chairman, Chemistry Search Committee, Department of Chemistry/D5, University of Pennsylvania, Philadelphia, Pa. 19174.** Include curriculum vitae and bibliography. *An Equal Opportunity/Affirmative Action Employer.*

### UNIVERSITY OF MARYLAND DEAN, College of Engineering

Nominations and applications are invited for the position of Dean of the College of Engineering. The College consists of six academic departments: aerospace, chemical, civil, electrical, fire protection, and mechanical. The College offers B.S., M.S., and Ph.D. degrees in the academic departments. In addition there are graduate degree programs in nuclear engineering and engineering materials.

Desired qualifications: Ph.D. or equivalent in an engineering discipline, a significant record of engineering research and professional activity, and substantial academic and administrative experience. The appointment will be effective 1 July 1977. Applicants should qualify for an academic appointment with tenure in the relevant department. The salary will be commensurate with qualifications.

Applications should be received before 15 February 1977 to receive full consideration. Applicants should submit a complete résumé with references to: **Dr. Alex J. Dragt, Chairman, Dean Search Committee, Division of Mathematical, Physical Sciences, and Engineering, University of Maryland, College Park, Maryland 20742.**

*The University of Maryland actively subscribes to a policy of Equal Educational and Employment Opportunity. The University of Maryland is required by Title IX of the Education Amendments of 1972 not to discriminate on the basis of sex in admission, treatment of students, or employment.*

**DEVELOPMENTAL BIOLOGIST:** The Department of Biology has an opening for an **assistant professor** with research interests in the cellular and molecular aspects of development. Teaching will include upper division/graduate courses in specialty plus participation in a physiology course for health paraprofessionals. Applications are to be completed by 15 December. Send curriculum vitae, three letters of reference, transcripts, and a statement of 5-year objectives to: **Dr. Robert J. Stark, Department of Biology, Indiana University-Purdue University at Indianapolis, Indianapolis, Indiana 46205.**

*An Affirmative Action/Equal Opportunity Employer*

**CANCER RESEARCH PROGRAM DIRECTOR.** Senior cancer research scientist to direct Cancer Research Program of Oklahoma Medical Research Foundation, a sponsoring institution of Oklahoma Cancer Center. Established close working relationships with University of Oklahoma Health Sciences Center and other Oklahoma Health Center institutions. Responsibility for evaluation and development of existing and new clinical and laboratory research components, including small group and larger collaborative programs. Should be capable of assuming a major scientific role in further development of Oklahoma Cancer Center. Salary negotiable with excellent fringe benefits. *Equal Opportunity/Affirmative Action Employer.* Send curriculum vitae and letter of interest to **Chairman, Cancer Director Search Committee, Oklahoma Medical Research Foundation, 825 Northeast 13th Street, Oklahoma City, Oklahoma 73104.**

Position available: **DIRECTOR,** Cancer Research Program, Washington State University. Administrative experience with multidisciplinary programs desirable, preferably experience with a cancer center program. Must possess recognized and relevant research experience to be able to coordinate and provide direction for growth of research programs in diverse areas. Salary negotiable. Application review begins 1 December 1976. For further information, contact **C. J. Nyman, Dean of the Graduate School, Washington State University, Pullman, Wash. 99163.** *Affirmative Action/Equal Opportunity Employer.*



INTERNATIONAL ATOMIC ENERGY SEEKS ASSISTANT OFFICER (P-1) FOR INTERNATIONAL LABORATORY OF MARINE RADIOACTIVITY IN MONACO. QUALIFICATIONS: POSTGRADUATE IN RADIO-CHEMISTRY, CHEMICAL OCEANOGRAPHY OR RADIOECOLOGY. EMOLUMENTS US\$14,000 PER ANNUM TAX-FREE. ADDITIONAL ALLOWANCES IF MARRIED. DURATION OF CONTRACT TWO YEARS. TRAVEL AND REMOVAL EXPENSES PAID. SEND CURRICULUM VITAE UNDER VN. 56/76 TO IAEA, DIVISION OF PERSONNEL, P.O. BOX 590, A-1011 VIENNA, AUSTRIA.

## ENVIRONMENTAL/ENERGY RESEARCH

In a scholarly, autonomous environment our interdisciplinary, energy-oriented staff is exploring the relative biological consequences of various energy production and consumption options for meeting future energy demands. Energy programs under consideration or under way are examined to provide a basis for major policy decisions. Senior and intermediate positions are available to Ph.D.'s with research experience associated with biological and environmental effects of energy systems.

Regular, term, or sabbatical appointments are available in the following disciplines:

Biology  
Biomedicine  
Ecology  
Chemistry  
Engineering: Environmental/Chemical/Mechanical/Electrical/Material Science

Oak Ridge Associated Universities is a private, nonprofit association of 45 colleges and universities. It conducts programs of research, education, information and human resources development in health, energy, and the environment.

For application send résumé to:

Employment Office  
Oak Ridge Associated Universities  
P.O. Box 117  
Oak Ridge, Tennessee 37830  
*An Equal Opportunity Employer*

## MANAGER OF RESEARCH AND DEVELOPMENT

We are an expansion-minded chemical manufacturer located in the greater Boston area. At the present time we are conducting a nationwide search for an R&D Manager to develop new products for BIOMEDICAL and LIFE SCIENCE research applications.

The successful candidate will be an active and imaginative PhD level scientist, who has had experience in the development of chemical products utilized in the life science community.

As R&D Manager you will interface closely with Sales, Marketing and Production, and be responsible for new products from the idea stage through to Sales. This is a vital position, and we are willing to offer an exceptional salary and benefits program commensurate with individual experience, past performance and potential.

*Please send resume with salary history and requirements, in complete confidence, to Mr. John R. Chabot, New England Nuclear, 549 Albany St., Boston, MA 02118.*

*An Equal Opportunity Employer*

**NEI Pilot Division**  
**New England Nuclear**

## ASSISTANT PROFESSORSHIPS Department of Biology University of California, Riverside

The Biology Department at the University of California, Riverside, is seeking appropriate additions to its faculty starting in the 1977 academic year. Candidates must show evidence of ability to initiate and sustain a productive, high-quality research program and show enthusiasm and skill for teaching biology at both undergraduate and graduate levels.

### Vertebrate Physiology

Ph.D. degree or equivalent in vertebrate physiology. Teaching duties to include upper division physiology and vertebrate anatomy courses as well as graduate level physiology courses.

### Animal Development/Experimental Cytology

Ph.D. degree or equivalent. Teaching duties to include: developmental biology, cytology, and/or histology. Preference will be given to individuals with postdoctoral experience and interest in animal development at the electron microscopic level.

Applicants should provide a curriculum vitae, list of publications, and a brief description of research and teaching interests. Additionally, at least three letters of support should be sent. *The University of California is an Equal Opportunity and Affirmative Action Employer. Applications are invited from all qualified individuals, especially women and members of minority groups.*

Send applications to:

Chairman  
Department of Biology  
University of California  
Riverside, California 92502

# Immunologist

We are an established and highly reputable pharmaceutical company with a continuing commitment to research and development. It is our objective to implement a basic research program in immunology with emphasis on the development of new medicinal agents for treatment of viral diseases. This is a ground floor opportunity as our success will be significantly affected by the scientist selected to devise and perform appropriate research projects. We seek an innovative scientist with a Ph.D., experience in cell mediated immunity who is capable of initiating a program and participating in its growth.

Our laboratories are located in a small yet remarkably complete community in rural, central New York State. We offer a salary commensurate with experience and a comprehensive benefits package.

*If interested, send résumé in confidence to:*  
Jane Belansky, Personnel Representative

**EATON LABORATORIES  
& NORWICH PHARMACAL COMPANY**  
DIVISION OF MORTON-NORWICH PRODUCTS  
NORWICH, NEW YORK 13815

*An Equal Opportunity Employer, M/F*



In our Research Institute we have several openings for

## POSTDOCTORAL FELLOWS

Two openings exist in our Department of Immunobiology, one concerned with the **genetics of Influenza viruses** and another to investigate molecular and cellular aspects of **Herpesvirus replication** with special reference to the problems of latency. Two additional openings for postdoctoral fellows exist in the Department of Experimental Chemotherapy and are concerned with the **biosynthesis and function of lipopolysaccharides in gramnegative bacteria** and with the **ecology of resistance plasmides**.

Our research is founded on an interdisciplinary approach and successful applicants would have the opportunity of pursuing basic research projects in well established research groups studying a wide range of biological problems.

We can offer excellent working conditions in well equipped laboratories. Appointments would be for initially 2 years, an attractive salary can be offered and travel expenses from country of origin and return will be paid.

If you are interested please write to Dr. N. Zacherl, Personnel Manager, **SANDOZ Research Institute, A-1235 Vienna, Brunner Strasse 59, (Austria)**, for further details.

## LIMNOLOGIST

**International Joint Commission  
Great Lakes Regional Office  
Windsor, Ontario**

**GS-12: \$20,442—\$26,571**

The International Joint Commission has established a Regional Office in Windsor, Ontario, to assist it and its International Boards in implementing its responsibilities under the Great Lakes Water Quality Agreement. The successful candidate will serve as limnologist in the Regional Office.

**Duties**—The position involves advising management and staff, working with and coordinating the activities of scientists on the Boards, Groups, Committees and other institutions of the Commission in the following areas: (a) current practices and effectiveness of mathematical modelling of the chemical, physical and biological processes in the Great Lakes; (b) methodology applied to movements of water masses in response to wind, temperature and other natural phenomena; (c) effect of physical and chemical changes, both natural and man-made, on the biota of the Great Lakes; (d) transport of pollutants; (e) knowledge of water chemistry to provide expertise on precipitation and other chemical reactions; (f) conducting special studies as directed; (g) serving as secretary to committees of the Boards and Groups as assigned and preparing or assisting in the preparation of reports.

**Qualifications**—Undergraduate major in water quality related chemistry. Advanced degree or equal in limnology. Experience in multi-disciplinary approach to investigation of fresh water environmental problems. Ability to work with other professionals. Ability to write technical reports with clarity.

Interested candidates should submit Personal Qualifications Statement (SF-171) or detailed resume to:

**K. H. Walker, Deputy Director  
International Joint Commission  
Great Lakes Regional Office  
100 Ouellette Avenue  
Windsor, Ontario N9A 6T3**

This position is in the U.S. Federal Career Service with all Civil Service benefits.

Equal Opportunity Employer

## POSITIONS OPEN

### ECOLOGY

The University of California at Santa Cruz seeks to fill an assistant professor level position in ecology, to begin in the fall of 1977. We invite applications from persons with a strong background in animal ecology who would develop a stimulating research program. Teaching responsibilities will include an upper division general ecology course and other undergraduate and graduate courses in the appointee's area of specialization.

Salary range for an assistant professor is \$14,500 to \$17,000.

Please send curriculum vitae, names of four references, and a brief statement of research plans to:

**Biology Search Committee  
Attn: Jean H. Langenheim  
Thimann Laboratories  
University of California  
Santa Cruz, California 95064**

The application filing deadline is 1 February 1977.

*The University of California is an Equal Opportunity/Affirmative Action Employer. Candidates will be considered without regard to race, color, religion, sex, or origin.*

**ECOLOGIST**—One-year appointment for 1977-78 as assistant professor. Ph.D. to teach undergraduate courses and direct undergraduate research. Applications should include a curriculum vitae with references and a statement of teaching and research preferences. Closing date: 31 January 1977, but appointment may be made earlier. Send applications to: **Professor John L. Howland, Department of Biology, Bowdoin College, Brunswick, Maine 04011. An Affirmative Action/Equal Opportunity Employer.**

### ECOLOGIST

Amherst College seeks a half-time assistant professor of biology in the area of ecology to begin 1 July 1977. Doctorate required. Responsibilities include teaching an introductory course (with laboratories) jointly with another ecologist, teaching an additional beginning or advanced undergraduate course, supervision of one or two senior thesis research projects and active engagement in research. Three-year renewable contracts with tenure decision at 9 years. Applicants should send curriculum vitae, copies of publications, and arrange to have three letters of reference sent to: **Chairman, Biology Department, Amherst College, Amherst, Mass. 01002. An Equal Opportunity/Affirmative Action Employer.**

### ENDOCRINOLOGIST DEPARTMENT OF BIOLOGY RICE UNIVERSITY

The Department invites applications for an assistant or associate professorship starting 1 July or 1 September 1977. Preference will be given to those applicants whose research activities deal with *neuroendocrinology* or with the *mechanism of action of steroid hormones*. Applicants should have a minimum of 2 years of postdoctoral experience and be prepared to teach an undergraduate level course in endocrinology. The successful applicant will also be expected to participate in either the Department's graduate program in neurobiology or developmental genetics. Send curriculum vitae and names of three references to: **Dr. James W. Campbell, Department of Biology, Rice University, Houston, Texas 77001. Rice University is an Affirmative Action/Equal Opportunity Employer.**

### NEUROPHYSIOLOGIST DEPARTMENT OF BIOLOGY RICE UNIVERSITY

The Department invites applications for an assistant or associate professorship starting 1 July or 1 September 1977. Preference will be given to those applicants whose research activities deal with *integrative mechanisms* or with *synaptic physiology*. Applicants should have a minimum of 2 years of postdoctoral experience and be prepared to teach an undergraduate course at the organ-organismal level. The successful applicant will also be expected to participate in the Department's graduate program in neurobiology. Send curriculum vitae and names of three references to: **Dr. Raymon Glantz, Department of Biology, Rice University, Houston, Texas 77001. Rice University is an Affirmative Action/Equal Opportunity Employer.**

## POSITIONS OPEN

**EXPERIMENTAL PSYCHOLOGIST, ASSISTANT PROFESSOR**, beginning September 1977. The Department of Psychology at the University of Minnesota is seeking a new or recent Ph.D. with a primary interest in perception, information processing, or cognition. A secondary interest in the other two areas is preferred. The anticipated teaching responsibilities are: (i) an advanced level course in perception; (ii) an introductory course in cognition/information processing; and (iii) a graduate seminar in the candidate's area of specialization. The candidate must be capable of maintaining a strong research program. Salary is competitive. *The University of Minnesota is an Equal Opportunity Employer. Women and minority candidates are encouraged to apply.* Send curriculum vitae, three letters of reference, and a statement (maximum two pages) of long-term research interests to: **Dr. David LaBerge, Elliott Hall, 75 East River Road, University of Minnesota, Minneapolis, Minnesota 55455** by 1 February 1977.

Applications are invited for **FACULTY POSITIONS** in the Department of Physiology, School of Medicine, Wayne State University. Candidates should have their Ph.D. and/or M.D. degree, and postdoctoral training is considered important with publications demonstrating productivity in research. Preferred area of expertise: cardiovascular and/or respiratory physiology and another in molecular neurobiology. Teaching may include responsibilities in area of medical, allied health, and graduate studies. Salary as well as rank is negotiable. One postdoctorate position in blood protein research is also open. Persons interested are invited to send curriculum vitae including bibliography and up to three references to:

**Chairman, Department of Physiology  
Wayne State University School of Medicine  
540 East Canfield  
Detroit, Michigan 48201**

*Wayne State University is an Equal Opportunity Employer.*

### FACULTY POSITION IN SOLID STATE ELECTRONICS

Applications are solicited for a senior faculty position in the Department of Electrical Engineering and Computer Science at Massachusetts Institute of Technology (MIT), rank and salary commensurate with qualifications. Duties include: teaching, thesis supervision and research in the area of integrated circuit technology or solid state devices, and expansion and improvement of an existing microelectronics laboratory.

Applicants should preferably have had industrial experience in device development and should have an interest and ability to develop collaborative programs with groups at MIT that seek to apply semiconductor technology to a variety of fields, for example, computer technology, signal processing, biomedical engineering, and optical and microwave communications. Ability to work with industrial organizations is highly desirable. Previous teaching experience also desirable.

Applications from women and minority professionals are encouraged. *MIT is an Equal Opportunity Employer.* Résumés should be sent to **Professor Paul Penfield, Jr., Associate Department Head, Department of Electrical Engineering and Computer Science, Room 38-401, Massachusetts Institute of Technology, Cambridge, Mass. 02139.** For further information, contact either Professor Penfield or Professor M. S. Dresselhaus, Chairman of Search Committee at above address.

**TWO FACULTY POSITIONS: marine fisheries management and invertebrate fisheries.** Application invited for appointment at the level of assistant or associate professor. Desire Ph.D. applicants with quantitative capabilities, training and research experience in above fields to teach courses, supervise graduate students, and conduct research programs. Person filling marine fisheries position would teach a course in World fisheries, a service course, and would have the opportunity to develop another course at the 400 or 500 level in resource assessment or marine ecology. Person filling the invertebrate fisheries position would teach a course on biology and management of commercially important crustacea, probably develop a new course in aquaculture and conduct a service course. Interested persons please send curriculum vitae, transcript, three letters of recommendation, and description of research interests to **Dean, College of Fisheries, WH-10, University of Washington, Seattle, Washington 98195.** *An Equal Opportunity/Affirmative Action Employer.*

## REQUESTS FOR PROPOSAL TUMOR IMMUNOLOGY

The National Cancer Institute (NCI), National Institutes of Health, is interested in contracting for the following projects:

### IMMUNODIAGNOSIS

Reference No. NCI-CB-74120-31—**DIAGNOSTIC APPLICATIONS OF ANTIBODIES TO HUMAN TUMOR ASSOCIATED ANTIGENS**—NCI seeks laboratories already having evidence for antibodies in human sera against tumor associated antigens to perform a detailed study on the specificity of the detected antigens and on the application of the antibody assay for initial diagnosing of cancer or for serial monitoring of patients. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74121-31—**DIAGNOSTIC APPLICATION OF MONOCYTE FUNCTION IN CANCER PATIENTS**—Laboratories are sought for the development of quantitative assays for monocyte functions for detection of deficiencies of monocyte function and/or substances that suppress such functions in cancer patients, which may be useful for immunodiagnosis or for following clinical course of such patients. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74122-31—**IMMUNOLOGICAL RELATIONSHIP BETWEEN TUMOR AND MICROBIAL ANTIGENS**—Laboratories are sought having documentable evidence of antibodies to bacterial or viral antigens that cross react with human tumors and having developed a preliminary assay for such crossreactivity. Relevance to human disease must be described. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74123-31—**CLINICAL EVALUATION OF IMMUNODIAGNOSTIC TESTS FOR CANCER**—A variety of antigenic serum components (e.g., peptide hormones, virus antigens, microglobulins) have been reported to be uniquely present, or present in elevated or decreased quantities, in the sera of cancer patients, as compared to other patients or to normal individuals. The National Cancer Institute (NCI) is interested in evaluating assays that have developed a serologic assay which distinguishes cancer patients from those with benign disease and normal individuals. RFP is available to, and proposals will be accepted from, those who meet the following prerequisites:

a. Supply preliminary data documenting a useful test, together with a request for a coded serum panel, to the following address:

Immunodiagnosis Serum Panels  
Building 8, Room 118  
National Cancer Institute  
National Institutes of Health  
Bethesda, Maryland 20014

b. If the NCI finds that the preliminary data supplied supports the assay's ability to discriminate between cancer patients and controls, NCI will supply the requestor with a coded panel of sera with which to test the assay, and further instructions as to its use and return for evaluation by NCI. If the assay gives statistically significant performance on the serum panel, the NCI will send the requestor an RFP for the further development and/or clinical evaluation of the assay.

Contract proposals submitted to the NCI must be responsive to the requirements of the RFP and must be received at the NCI by 5:00 p.m., Bethesda, Maryland, time by one of the following three deadlines:

April 28, 1977  
August 31, 1977  
December 29, 1977

If warranted by unusual circumstances, the NCI may, on a limited basis help to support some costs of the initial tests of the serum panel. Any applicant for such support must present preliminary data which shows the assay to be highly promising; must submit a detailed cost proposal which clearly describes which costs the offeror will bear and which costs he requests the NCI to bear; and which fully supports the reasonableness of the costs.

Reference No. NCI-CB-74124-31—**COLLECTION OF SERIAL SERUM SAMPLES FROM CANCER PATIENTS FOR EVALUATION OF IMMUNODIAGNOSTIC TESTS FOR CANCER**—Serial serum specimens accompanied by carefully documented clinical information are sought for one or more of the following: ovarian or lung carcinoma, melanoma, Hodgkin's disease. Specimens from relevant benign disease controls required. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74125-31—**PROCUREMENT OF LARGE VOLUMES OF SERA FROM PATIENTS WITH CANCER FOR IMMUNODIAGNOSTIC STUDIES**—NCI seeks organizations that can obtain at least 200 ml of sera from each of a number of patients with gastrointestinal cancers, melanoma, and possibly other cancers, as the research need arises. Detailed clinical information on each specimen required. Deadline for

receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74126-31—**DETECTION OF TUMOR SPECIFIC ANTIGENS IN CIRCULATION**—NCI seeks laboratories that have transplantable carcinomas or sarcomas to test the assumption that detection of carcinoma or sarcoma-specific antigens in the circulation may be useful in diagnosing cancer. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74127-31—**DEVELOPMENT OF ASSAYS FOR NEW TUMOR ASSOCIATED ANTIGENS**—NCI seeks laboratories with evidence of new tumor associated antigens to develop quantitative assays which may be used in diagnosis and/or monitoring of patients with cancer. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74128-31—**IMPROVEMENTS OF ASSAYS FOR CELL-MEDIATED IMMUNITY: DEVELOPMENT OF NEW IN VITRO TECHNIQUES TO EVALUATE CELL-MEDIATED OR SUPPRESSOR CELL ACTIVITY DIRECTED TOWARD TUMOR ASSOCIATED CELL SURFACE ANTIGENS**—Laboratories with new *in vitro* techniques or substantial modifications of existing techniques are sought. *In vitro* test systems should be of human origin or in animal models relevant to human testing. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74129-31—**DEVELOPMENT OF NEW METHODS FOR ISOLATION AND CHARACTERIZATION OF HUMAN PERIPHERAL BLOOD MONONUCLEAR CELLS**—Laboratories are sought to study peripheral blood from normal individuals and cancer patients. New and better methods for isolation of T and B cells, subpopulations and monocytes in high yields, purity, viability and functional activity are sought. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74130-31—**IN VITRO SPECIFIC AUGMENTATION OF CELL MEDIATED CYTOTOXIC REACTIONS TO HUMAN TUMOR CELLS AND HUMAN TUMOR ASSOCIATED ANTIGENS**—NCI seeks laboratories to compare *in vitro* increases in cytotoxic reactivity of cancer patients and controls against tumor cells or cultured cells derived from tumors. Documentation of developed quantitative assay suitable for monitoring cytotoxic reactivity as described is required. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74131-31—**CRYOPRESERVATION OF HUMAN MONOCYTES FOR USE IN IMMUNOLOGIC STUDIES**—NCI seeks laboratories with immunologic expertise and experience in cell cryopreservation to isolate human monocytes from peripheral blood and develop methods for adequate cryopreservation. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74132-31—**CLINICAL APPLICATIONS OF ASSAYS FOR HUMAN LEUKEMIA OR LYMPHOMA ASSOCIATED ANTIGENS OR FOR VIRUS ASSOCIATED ANTIGENS IN THESE TUMORS**—NCI seeks laboratories with experience in studies of leukemia or lymphoma associated antigens to develop practical clinical applications for these antigens. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74133-31—**CELL MEDIATED REACTIVITY OF NORMAL INDIVIDUALS TO HUMAN TUMOR ASSOCIATED ANTIGENS**—NCI seeks laboratories with experience in assays of cell-mediated immunity to determine the specificity of the antigens detected, the nature of effector cells, factors affecting levels of reactivity, and differences in levels of reactivity between cancer patients and others. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

Reference No. NCI-CB-74134-31—**DEVELOPMENT OF ANIMAL MODELS: EARLY DETECTION OF ANTIBODIES TO CARCINOMAS IN EXPERIMENTAL ANIMALS, AS A MODEL FOR HUMAN STUDIES**—NCI seeks laboratories for development of experimental animal systems which are close models to the problems of antibody detection in patients with carcinomas and other malignant diseases. Deadline for receipt of proposals is 5:00 p.m., Bethesda, Maryland, time on January 7, 1977.

A request for proposal for each project listed above is available on or after November 8, 1976, by **written request** to Contracting Officer, CBDCS, Tumor Immunology, Research Contracts Branch, National Cancer Institute, Landow Building, Room C-425, National Institutes of Health, Bethesda, Maryland 20014. Request for RFP must cite the reference number(s) of the desired project(s) as shown above. Requests or inquiries must be in writing.



**FACULTY POSITIONS OPEN  
COLLEGE OF MEDICINE  
KING FAISAL UNIVERSITY  
DAMMAM, SAUDI ARABIA**

Applications are now invited from qualified men and women in these pre-medical and preclinical subjects:

Chemistry	Biochemistry
Biology	Physiology
Physics	Embryology
Anatomy	Pathology
Community Medicine	Biostatistics
Histology	Epidemiology

Doctorate or similar degree required. M.D. degree receives higher salary. Language of instruction is English. Positions are available immediately and for 1977-78.

Salary ranges (approximate):

Professor: \$23,000 to \$25,344  
Associate professor: \$18,423 to \$22,272  
Assistant professor: \$13,824 to \$25,492

Free, furnished accommodation is provided. Incomes not subject to Saudi Arabian income tax.

Send requests for application forms and information to:

**Dr. Mohammed T. Altorki, M.D., MRCP**  
Dean of the Medical Faculty  
King Faisal University  
c/o Mr. Ghazi Abdul Jawad  
Saudi Arabian Educational Mission  
2223 West Loop South, Suite 400  
Houston, Texas 77027

**FACULTY POSITIONS IN  
MICROBIOLOGY/IMMUNOLOGY**

New, university-associated College of Medicine will fill several basic science teaching-research positions in the microbiology/immunology disciplines or related fields. Candidates with the following interests are sought for appointment on or before 1 September 1977.

- 1) **Infectious diseases**—clinically qualified M.D. with interest in basic science teaching/research to also provide infectious disease consultation and liaison with physicians in affiliated hospitals.
- 2) **Protein chemistry**—Ph.D., preferably with strong genetics background, with extensive training and experience in contemporary protein sequencing methodology.
- 3) **Virology**—Ph.D., preferably with a professional degree in one of the medical sciences, to participate in medical student and graduate student teaching and to develop an active research program.
- 4) **Cellular biology**—Ph.D. with postdoctoral experience, preferably with an immunologic orientation, for teaching/research activity in normal and abnormal mammalian cell function.
- 5) **Molecular genetics**—Ph.D. molecular biologist with training and experience in some aspect of tumor biology, phage genetics, or related field. Medical student/graduate student teaching and development of active research program.

Interested individuals should send a curriculum vitae, the names of three references, and a brief outline of their career interests no later than 30 November 1976 to

**Dr. J. Michael Kehoe**  
Program Chief, Microbiology/Immunology  
Northeastern Ohio Universities College of Medicine  
275 Martinel Drive  
Kent, Ohio 44240

An Equal Opportunity/Affirmative Action Employer

**POSITIONS OPEN**

**THE UNIVERSITY OF CALIFORNIA  
DEPARTMENT OF GEOLOGY AND  
GEOPHYSICS**

The Department of Geology and Geophysics, University of California, anticipates authorization (pending final budgetary approval) to fill two regular faculty positions from 1 July 1977.

**GEOPHYSICIST** with breadth of interest in teaching and research in the internal constitution and dynamics of the earth. Strength in geophysical fluid dynamics, for example, and a strong background in geology, are desirable credentials. Ph.D. required. The position will be filled at a tenured rank.

**STRATIGRAPHER-SEDIMENTOLOGIST** with interests in geological aspects of petroleum and in field geology. This position will be filled at the rank of assistant professor.

Applicants should send, by 31 January 1977, curriculum vitae and names of at least three references to: **Dr. T. V. McEvilly, Chairman, Department of Geology and Geophysics, University of California, Berkeley 94720.** The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.

**BIOLOGY HEADSHIP.** Western Carolina University is seeking a head of the Department of Biology. A Ph.D. and a strong background in teaching and research required. Curriculum vitae and the names of three references must be received by **Dr. John Bell, Associate Dean, School of Arts and Sciences, Western Carolina University, Cullowhee, N.C. 28723** by extended deadline 1 January 1977. An Equal Opportunity/Affirmative Action Employer.

**IMMUNOLOGIST/IMMUNOCHEMIST**—A full-time faculty position at the level of professor or associate professor. Candidates must have a Ph.D., M.D. or equivalent degree, have an established research program in some aspect of medicine, immunology and/or immunochemistry and experience in the training of young scientists. Duties will include teaching of graduate and medical students. This position offers an opportunity for a scientist to play a major role in the further development of active and on-going research and training programs in immunology of this department and institution. Send curriculum vitae and references to **Dr. Gerald D. Shockman, M.D., Professor and Chairman, Department of Microbiology and Immunology, Temple University School of Medicine, 3400 North Broad Street, Philadelphia, Pa. 19140.** An Equal Opportunity/Affirmative Action Employer.

There will be an opening in the Department of Pathology, University of Oregon Health Sciences Center, in February 1977, for an **INSTRUCTOR**. The individual will be restricted to anatomic pathology with interests in teaching, surgical pathology, and research related to the gastrointestinal system. The candidate must have an M.D. and an interest in biochemistry with at least 2 years training in anatomic pathology. Interested individuals with the above qualifications should send their curriculum vitae, list of publications, and the names of three references to:

**Richard D. Moore, M.D.**  
Professor and Chairman  
Department of Pathology  
University of Oregon Health Sciences Center  
3181 S.W. Sam Jackson Park Road  
Portland, Oregon 97201.

Applications must be received by 1 January 1977. An Equal Opportunity/Affirmative Action Employer.

**MARINE PHYCOLOGIST/ECOLOGIST.** Undergraduate/graduate teaching, including botanical aspects of marine ecology and courses in phycology. Research emphasis on marine algal ecology, supervise graduate theses, maintain algal cultures for teaching and research. Curriculum vitae, transcripts, three letters by 1 February 1977 to: **J. E. Gunkel, Department of Botany, Rutgers University, New Brunswick, New Jersey 08903.** Equal Opportunity/Affirmative Action Employer.

**TERRESTRIAL PLANT ECOLOGIST.** Teach undergraduate and graduate courses including physiological ecology and general ecology, supervise graduate thesis research, and conduct research: physiological ecology of plants preferred, though quantitative ecology or ecosystem dynamics with strong focus on plants considered. Curriculum vitae, transcripts, three letters should arrive by 1 February 1977: **R. T. T. Forman, Department of Botany, Rutgers University, New Brunswick, New Jersey 08903.** Equal Opportunity/Affirmative Action Employer.

**POSITIONS OPEN**

**HEAD  
Department of Pharmacology**

Texas A & M University, Program in Medicine, invites nominations and applications for the position of head of pharmacology. An outstanding opportunity to build a department in a new medical school dedicated to excellence in teaching and research. Applicants may hold either the M.D. or Ph.D. degree and should qualify for faculty rank of professor. Forward a statement of interest in the position, names of three references, and a current curriculum vitae to:

**Dr. Elvin E. Smith, Chairman**  
Pharmacology Search Committee  
Program in Medicine, Teague Building  
Texas A & M University  
College Station, Texas 77843

Texas A & M University is an Equal Opportunity Employer.

**HEAD, Department of Biology, College of Science, The Pennsylvania State University.** Applications and nominations of established scientists with proven research record are invited; teaching and administrative experience are very desirable. The Department has approximately 30 faculty members and 7 staff persons on the main campus with broadly based research interests (botany, ecology, genetics, physiology, and zoology) and has responsibility for administering large graduate and undergraduate programs. There are also 37 biology faculty members at 19 Commonwealth campuses heavily involved in lower division instruction. The department head must interact with a variety of departments, both in and out of the College of Science, whose disciplines are biologically oriented. Screening of applications will begin 1 December 1976 and the closing date for receipt of applications is 15 January 1977. Candidates should submit curriculum vitae, lists of publications, and names of three references to: **Professor Joseph A. Dixon, Chairman of Search Committee, Box 50, 211 Whitmore Laboratory, The Pennsylvania State University, University Park, Pa. 16802.** The University is an Equal Opportunity/Affirmative Action Employer.

**IMMUNOLOGIST.** Ph.D., D.D.S., or D.V.M. immunologist with postdoctoral training, experience in cellular immunology, immunochemistry, and tissue culture techniques, is sought for immediate employment as research associate. Salary is negotiable. Applicants should send detailed curriculum vitae and bibliography with three names as references to: **Dr. R. L. Vanarsdall, School of Dental Medicine, 4001 Spruce Street, Philadelphia, Pa. 19174.** Equal Opportunity Employer.

**MEIOTIC CYTOGENETICIST** for senior staff associate position doing analysis in several mammalian species including human. Doctoral degree and cytogenetic experience required. Clinical, research, and teaching setting. Salary commensurate with experience. Send statement of interest and curriculum vitae to **Dr. Georgiana Jagiello, Department of Human Genetics and Development, College of Physicians and Surgeons of Columbia University, 630 West 168th Street, New York, N.Y. 10032.** Equal Opportunity/Affirmative Action employer, M/F.

**THE UNIVERSITY OF MICHIGAN  
DIVISION OF BIOLOGICAL SCIENCES  
announces a position in  
MOLECULAR GENETICS  
Assistant Professor  
effective September 1977**

Applicants must have demonstrated competence in molecular genetics and knowledge of molecular cloning procedures. Postdoctoral experience is essential. The newly appointed faculty member will be expected to develop a strong research program utilizing molecular cloning procedures and to teach one term in a general genetics course and another term in an upper level course in his or her own specialty.

Applicants should submit curriculum vitae, a detailed statement of academic and research interests, representative reprints, and three letters of recommendation to:

**Dr. Sally Allen, Search Committee Co-chairperson**  
Department of Cellular and Molecular Biology  
Division of Biological Sciences  
The University of Michigan  
Ann Arbor, Michigan 48109

Deadline for applications: 15 January 1977. The University of Michigan is a nondiscriminatory, Affirmative Action Employer.

## Call for Papers

**1977 International Conference on Crime  
Countermeasure Science and Engineering**

**July 26-29, 1977**

**OXFORD UNIVERSITY, OXFORD, ENGLAND**

This conference is jointly sponsored by the Office of Engineering Continuing Education, University of Kentucky, the Institute of Electrical and Electronics Engineers, and Oxford University.

Police systems  
Command, control and communication systems  
Alarm devices and systems  
Computer systems security  
Automatic vehicle monitoring  
Automatic identification and authentication of voice, handwriting, fingerprints, and other signatures  
Entry control systems  
Searching aids: x-ray, sonic, magnetic, microwave  
Electromagnetic spectrum conservation  
Communication privacy and security including advanced modulation techniques  
Pollution detection  
Related areas of basic science and novel applications

This conference will provide a forum for the dissemination of information and exchange of ideas in this specialized area of science and engineering. Conference Proceedings will be published and distributed to each attendee and to selected libraries throughout the world.

### Deadlines:

Abstract (200 words) .....January 14, 1977  
Paper Deadline .....April 4, 1977

### Mail abstracts to:

John S. Jackson, Proceedings Editor  
Department of Electrical Engineering  
University of Kentucky  
Lexington, Kentucky 40506 U.S.A.  
Telephone: (606) 257-3926 or 258-5949

## NEW FACULTY POSITIONS

### UC Riverside/UCLA Program in Biomedical Sciences

Applications are invited for four new faculty positions at the Assistant Professor rank in the PROGRAM IN BIOMEDICAL SCIENCES jointly offered by UC Riverside, the UCLA School of Medicine and the UCLA-affiliated San Bernardino County Medical Center, to be available on or after July 1, 1977. This program, now in its third year of operation, integrates five years of primary college subjects and instruction in basic sciences with the introductory years of the medical curriculum at UC Riverside and the San Bernardino County Medical Center. These are followed by completion of the final two years of study for the M.D. degree at the UCLA School of Medicine. In addition to demonstrated ability in research, applicants should have a genuine interest in medical education with emphasis on high quality teaching in the basic medical sciences and their relationship to clinical medicine. Faculty in this program will have their primary academic position in BIOMEDICAL SCIENCES, and will hold joint appointments in other academic departments at UC Riverside and/or the UCLA School of Medicine, as appropriate. Excellent facilities for research and teaching will be available.

ANATOMIST, Ph.D. or M.D., with responsibility for developing an instructional program in microscopic anatomy for medical students. The candidate will also have some teaching functions in the human gross anatomy course. He/she should be qualified for participation in the Ph.D. graduate program of the Department of Biology.

PATHOLOGIST, Ph.D. or M.D., with teaching responsibilities in general (anatomic) pathology and pathophysiology. Clinical affiliation with the San Bernardino County Medical Center, if qualified.

PHYSIOLOGIST, Ph.D. or M.D., with teaching functions in cardiovascular, renal, and respiratory physiology in a course for medical students. The candidate should have postdoctoral experience and be qualified for participation in the Ph.D. graduate program of the Department of Biology.

PHARMACOLOGIST, Ph.D. or M.D., with responsibility for developing an instructional program in general pharmacology for medical students. The candidate should have research interests and postdoctoral experience in pharmacology and biochemistry and be qualified for participation in the Ph.D. graduate program of the Department of Biochemistry.

Applicants should submit curriculum vitae, academic transcripts, and a statement on research and teaching goals and have letters of reference sent to Ernst A. Noltmann, M. D. Director, Biomedical Sciences Program, University of California, Riverside, California, 92502. Detailed descriptions of the individual openings will be furnished on request. The University of California is an Equal Opportunity/Affirmative Action Employer.



## Ph.D. Physiologist/ Pharmacologist



The General Foods Technical Center seeks a Ph.D. Physiologist or Pharmacologist with training and one to two years research experience in regulation of gastrointestinal absorption and motility. Ability to design and conduct in vitro and in vivo experiments is necessary.



Candidate will be responsible for conducting independent research in area of expertise while working with other specialists in Physiology and Nutrition. Current research program offers opportunity to impact on major technical and business decisions.



Our location in suburban Westchester County offers choice of urban or suburban living in an attractive area just north of New York City. Please send resume with salary history or requirements to:  
PERSONNEL ASSOCIATE, D-14.



**GENERAL FOODS  
CORPORATION**



555 South Broadway  
Tarrytown, N.Y. 10591

An equal opportunity employer m/f.

## POSITIONS OPEN

### NATURAL RESOURCES FACULTY OPENINGS AT DUKE UNIVERSITY

Applications and nominations are invited for tenure track faculty positions in the Duke University School of Forestry and Environmental Studies in the following areas: renewable natural resources management, ecology, planning, and policy. The School offers only graduate programs, awarding the master of forestry, master of environmental management, M.S. and Ph.D. degrees. We are seeking individuals eager to play an innovative role in renewable natural resources research and education, who enjoy working in a multidisciplinary environment. Opportunities exist and are encouraged for joint appointments with other schools and departments at Duke. Applicants must hold a Ph.D. degree. Strong quantitative skills will be an asset but are not an essential requirement. Rank and salary will be commensurate with experience. Appointments will commence on 1 September 1977. Applicants should forward a letter of application, together with a curriculum vitae, and names of three references as soon as possible to: **Dr. Frank J. Convery, Chairman, Search Committee, School of Forestry and Environmental Studies, Duke University, Durham, N.C. 27706. Duke University is an Equal Opportunity/Affirmative Action Employer.**

**NEPHROLOGIST**—The Division of Nephrology in the Department of Medicine at the University of Alabama in Birmingham has available a position at the assistant professor level. The position is open to qualified individuals at a senior level fulfilling three criteria. First, the individual must have expertise in the care and management of patients with renal disease and in the operation and administration of a hemodialysis unit. Second, the individual must have a firm commitment to teaching programs oriented to medical students, graduate students, house officers, and fellows. Finally, the individual should have a research background and be able to carry out independent research, preferably in the physiology of renal tubular transport processes. Apply to the **Division of Nephrology, University Station, Birmingham, Alabama 35294. Telephone: 205-934-3585. An Equal Opportunity/Affirmative Action Employer.** Expiration date for receipt of applications: 1 January 1977.

### NEUROPATHOLOGIST

A challenging and immediate opening exists in the Department of Neurosurgery of a 600-bed university hospital located in Chicago. Major responsibilities include teaching residents of approved neurosurgery, neurology, and pathology programs within the medical center, handling of surgical and autopsy specimens, brain cutting. Familiarity with electron microscope and histochemical techniques desirable. Should be able to set up lecture series in neuropathology for medical school curriculum. Must have research interests and be able to set up and conduct research projects. Faculty appointment commensurate with training and experience. Should be Board-certified in neuropathology. Qualified candidates send curriculum vitae to: **Oscar Sugar, M.D., Professor and Head, Department of Neurosurgery, University of Illinois Abraham Lincoln School of Medicine, P.O. Box 6998, Chicago, Illinois 60612. An Equal Opportunity/Affirmative Action Employer.**

York University, Faculty of Science. **OPERATIONS RESEARCH.** Applications are invited for a position in the area of operations research. Duties will include the teaching and development of undergraduate courses in this area in the applied computational and mathematical science program of the Faculty of Science. Applicants should have teaching experience and a strong research background in either operations research or some other area of interest to the Faculty of Science. The appointment will commence with the 1977-78 academic year; the rank and salary are negotiable and dependent upon qualifications and experience. Please send curriculum vitae and the names of three referees to **Dr. R. P. McEachran, Director of the Applied Computational and Mathematical Science Programme, Faculty of Science, York University, Toronto, Ontario, Canada M3J 1P3.**

**POSTDOCTORAL** (U.S. citizen or permanent resident) to work on transfer RNA isoeceptor characterization in developing brain cells and on role of transfer RNA methylation as a determinant of neuronal specificity. NIMH support for 2 years. Apply to: **O. Z. Sellinger, Director, Laboratory of Neurochemistry, Mental Health Research Institute, University of Michigan, Ann Arbor, Michigan 48109.**

## POSITIONS OPEN

### OCEANOGRAPHER

Oceanography department has faculty position open at assistant professor level; some preference will be given to candidates with strong interest in both research and teaching in areas of marine geochemistry and marine food chain dynamics. Address inquiries to **Search Committee, Department of Oceanography, Florida State University, Tallahassee, Florida 32306. Florida State University is an Equal Opportunity/Affirmative Action Employer.**

**ORGANIC CHEMISTRY.** The Chemistry Department of the University of Oklahoma is seeking outstanding candidates at all levels for a permanent faculty position. Applicants must have a Ph.D. in chemistry with excellent credentials in both research and teaching. Research interests are preferably in the areas of synthetic organic chemistry, biorganic chemistry, organometallic chemistry, chemistry of excited states, or natural products but able candidates in other areas will be considered. Inquiries should be sent: **Chairperson, Organic Chemistry Search Committee, Department of Chemistry, University of Oklahoma, Norman, Oklahoma 73019. An Equal Opportunity/Affirmative Action Employer.**

### PHARMACOLOGIST

Position available for associate or full professor with Ph.D. or equivalent degree in pharmacology. The Department of Pharmacology has an opening for a faculty member with experience in research and teaching in the area of central nervous system pharmacology (psychopharmacology). Please apply with full curriculum vitae to **Dr. Leon Hurwitz, Chairman, Department of Pharmacology, Medical School, University of New Mexico, Albuquerque, New Mexico 87131. An Equal Opportunity/Affirmative Action Employer.**

### PHYSIOLOGY-PHARMACOLOGY

Two faculty positions at the assistant professor level. (i) **Physiologist** with research interests complementary to on-going work in cellular neurobiology; interest and ability in teaching human physiology or basic pharmacology. (ii) **Pharmacologist**, capable of teaching second year course in dental therapeutics. D.D.S.-Ph.D. or D.M.D.-Ph.D. with research interests in pain control or emergency drugs preferred. Joint appointment in oral medicine, if applicable. Send résumé, reprints, and a list of three references to:

**Dr. Richard K. Orkand  
Chairman, Department of  
Physiology and Pharmacology  
School of Dental Medicine  
University of Pennsylvania  
4001 Spruce Street  
Philadelphia, Pennsylvania 19174**

*Equal Opportunity Employer: positions not filled.*

**POSTDOCTORAL POSITION** available for a Ph.D. interested in the chemical characterization, biosynthesis, and turnover of mammalian plasma membrane components and to engage in research designed to develop tumor membrane modifiers as cancer chemotherapeutic agents. Contact **Dr. Ralph J. Bernacki, Cancer Drug Center, Roswell Park Memorial Institute, 666 Elm Street, Buffalo, New York 14263.**

### POSTDOCTORAL POSITION

Postdoctoral position available 1 January 1977. Research on the renal modification and excretion of a sex-dependent protein in the adult male rat. Applicants should have a Ph.D. degree in biochemistry or related areas. Funds available for 3 years starting at \$10,000. Send curriculum vitae and names of three references before 1 December to **Dr. Otto W. Neuhaus, Division of Biochemistry, Physiology and Pharmacology, The University of South Dakota School of Medicine, Vermillion, South Dakota 57069. Equal Education and Employment Opportunity/Affirmative Action Institution.**

**RESEARCH TECHNOLOGIST:** M.S. or B.S. degree with experience in tissue culture and biomedical analyses; experience in TEM desirable. Research in the differentiation of the endocrine pancreas in vitro using novel method of tissue culture. Opportunity exists for collaborative and independent research. Qualified individuals please send résumé and names of references to **Dr. William B. Rhoten, 190 Medical Sciences Building, University of Illinois, Urbana, Illinois 61801. Affirmative Action/Equal Opportunity Employer.**

## POSITIONS OPEN

**POSTDOCTORAL POSITION** in biochemical endocrinology. Program concerned with studies defining the hormonal regulation of glycogen metabolism in fetal organ development. Prostaglandin research also implicated. Experience in enzymology is desirable. Interested applicants should send résumé and three letters of reference to **Dr. Laurence M. Demers, Department of Pathology, The Milton S. Hershey Medical Center, The Pennsylvania State University, Hershey, Pennsylvania 17033.**

**POSTDOCTORAL POSITION** available immediately for research on control mechanisms of development in fungi. Contact **Dr. V. Macko, Boyce Thompson Institute for Plant Research, Inc., Yonkers, N.Y. 10701.**

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**POSTDOCTORAL POSITION.** Available immediately for a recent Ph.D. in pharmacology, physiology, or biochemistry interested in the metabolic regulation of blood flow. The project is related to the effect of drugs on cell culture system in relation to nucleotide metabolism. U.S. citizenship or permanent visa required. Send résumé and three letters of recommendation to: **Dr. S. Jamal Mustafa, Department of Pharmacology, University of South Alabama, Mobile, Alabama 36688.**

**POSTDOCTORAL POSITIONS** in oncology, immunology, microbiology, virology, molecular and cellular biology. Available: July to September 1977. Inquiries to: **Dr. Sheldon Dray, Head, Department of Microbiology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680. The University of Illinois is an Equal Opportunity/Affirmative Action Employer.**

**POSTDOCTORAL RESEARCH POSITION IN RENAL PHARMACOLOGY.** Renal physiology, membrane transport, drug metabolism, and analytical techniques will be involved. Position now available for a recent Ph.D. for 1 year. Send references and curriculum vitae to **Barbara Rennick, M.D., Professor of Pharmacology, State University of New York at Buffalo, 127 Farber Hall, Medical School, Buffalo, N.Y. 14214. An Equal Opportunity/Affirmative Action Employer.**

**PROTEIN CHEMIST.** 2 to 3 year postdoctoral. Collaborative research in peptide hormone laboratory. Experience in composition, sequencing, and synthesis. University appointment. Send résumé and research interests to **Dr. David V. Cohn, VA Hospital, Kansas City, Missouri 64128. An Equal Opportunity/Affirmative Action Employer.**

**LABORATORY INSTRUMENT OR EQUIPMENT SALESPERSON** to train as advertising space salesperson for major scientific journal. New York area. Contact **Dick Charles, Science Magazine, telephone: 212-736-1858.**

### SENIOR STAFF OFFICER

The Institute of Laboratory Animal Resources (ILAR) of the National Academy of Sciences/National Research Council, is seeking a senior staff officer to maintain technical and professional liaison in and outside the National Academy of Sciences on laboratory animal resources. The incumbent will also serve as principal editor of quarterly ILAR news, as well as staff officer for committees conducting studies, workshops, and symposia, and will develop related reports in laboratory animal science. A professional degree, D.V.M. or equivalent, and experience in laboratory animal science and administration is required. Applicants should send résumé to: **Dr. Earl W. Grogan, Institute of Laboratory Animal Resources, National Academy of Sciences, 2101 Constitution Ave., NW, Washington, D.C. 20418. An Equal Opportunity Employer.**

**VIROLOGIST—MOLECULAR BIOLOGIST.** A full-time faculty position. Applicant must have strong postdoctoral experience in molecular and/or biochemical aspects of animal viruses, and be capable of developing an independent research program, preferably dealing with some aspects of tumor viruses. Teaching duties include participation in courses for medical and graduate students. Possible joint appointment in Fels Research Institute. Send curriculum vitae and references to: **Dr. Gerald D. Shockman, Chairman, Department of Microbiology and Immunology, School of Medicine, Temple University, Philadelphia, Pa. 19140. Equal Opportunity/Affirmative Action Employer.**



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FOR FURTHER INFORMATION WRITE:

Institute for Coal Utilization, Fred Galli  
College of Engineering, Room 421  
WEST VIRGINIA UNIVERSITY  
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## Head Public Sector Program Division

The American Association for the Advancement of Science (AAAS) is seeking candidates to direct the Public Sector activities of the Association. The position will require:

- Ability to define scientific and technological issue areas of national and regional concern impacting on public policy-making and public opinion.
- Ability to identify and examine social trends affecting the interactions of science, technology, and society and recommend approaches to be taken by the AAAS.
- Ability to plan and direct the preparation of science policy studies, reports, and symposia.
- Ability to plan and manage a diversified work program of national and regional conferences, policy studies, and inter-association relations.
- Ability to work with a variety of institutional elements to meet the need for public understanding of these issues (media, academic, government, and private sector).
- Ability to work with scientists, legislators, and the informed public.

Preference will be given to individuals with advanced degrees and a proven capability in the above areas. This is a full-time permanent position reporting to the Executive Officer of the Association. Immediate appointment is desired; however, consideration will be given to a January 1977 appointment. Curriculum vitae, two letters of reference, and salary requirements should be sent to **Carole Dickert-Scherr, 1515 Massachusetts Avenue, NW, Washington, D.C. 20005.**

## NEED FUNDING?

The Medical Research Funding Bulletin assists scientists and other health professionals in the competition for Federal and private funds. What's available - Where to apply - The Deadline - All the information you need to enhance your ability to secure support because it's concise and up-to-date. Published on the 10th, 20th and 30th of every month, the Bulletin will give you the latest announcements and submission schedules for contracts and grants. This ready reference tool consolidates hundreds of releases, circulars and other Federal and private publications to save you valuable time. To insure that new subscribers are absolutely happy with the Bulletin, they have the option to cancel within 2 months and receive a full refund.

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Applications are invited for the following posts: (i) **Senior Lecturer/Lecturer** with good research experience in fish physiology, and related teaching experience. (To assume duty on 1 February 1977 or soon thereafter.) (ii) **Lecturer** with qualifications in marine biology. (To assume duty on 1 July 1977 or soon thereafter.) The appointees will be expected to pursue research and undertake teaching appropriate to a program on the scientific aspects of marine fish culture. The appointee to the senior post will be in charge of the daily running of the Laboratory and will be expected to give academic leadership in developing the program. Annual salary scale: senior lecturer: U.S.\$17,680 to \$23,810 approximately; lecturer: U.S.\$11,380 to \$12,910/\$13,680 to \$19,070 approximately, exact amount to be determined in accordance with qualifications and experience. Further information and application forms may be obtained from the **Personnel Section, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong**. Deadline: 31 December 1976.

The Boyce Thompson Institute is seeking an exceptional **SENIOR SCIENTIST** interested in research on plant stress, particularly soil-stress factors. The level of appointment will depend on qualifications and experience. Applicants must hold the Ph.D. degree and some postdoctoral training would be preferable. Please send curriculum vitae, bibliography, brief description of research interests, names of three references, and a statement of career objectives by 15 January 1977 to **Dr. Richard C. Staples, Boyce Thompson Institute, 1086 North Broadway, Yonkers, N.Y. 10701**. An Affirmative Action/Equal Opportunity Employer.

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**TRANSPLANTATION IMMUNOLOGIST**. M.D. or Ph.D. immunologist to direct tissue typing and other aspects of service, research, and teaching in transplantation biology in multidisciplinary transplantation program. Medical school faculty appointment. Rank and salary are negotiable. *Affirmative Action/Equal Opportunity Employer*. Mid-Atlantic area. **Box 526, SCIENCE**.

## CONFERENCE

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## ASSISTANTSHIPS

### PREDOCTORAL ASSISTANTSHIPS IN ANATOMY

Qualified students are invited to apply for graduate study leading to the Ph.D. degree in anatomy with specialization in cell biology, neurobiology, developmental biology, or functional morphology. Stipends are available as teaching assistantships and tuition waivers. For application forms and further information write to: **Chairman, Graduate Studies Committee, Department of Anatomy, University of Illinois at the Medical Center, Box 6998, Chicago, Illinois 60680**.  
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## PROGRAMS

### DOCTORAL PROGRAM-PHARMACOLOGY

Medical University of South Carolina. Department of Pharmacology, seeks candidates for Ph.D. program. Interdisciplinary environment with capabilities ranging from GC-MS through cell cultures and animal studies to clinical studies of patients. Research training available in biochemical, cardiovascular and clinical pharmacology, drug metabolism, toxicology, analytical chemistry. Stipends available: \$3900 per year. Contact: **Department of Pharmacology, Medical University of South Carolina, Charleston, S.C. 29401**.

## SYMPOSIUM

### SYMPOSIUM ON ENVIRONMENTAL POLLUTANTS

An International Symposium on Pathobiology of Environmental Pollutants-Animal Models and Wildlife as Monitors is planned as a 3-day conference on 1 to 3 June 1977 at the University of Connecticut. This symposium is being co-sponsored by the Northeastern Research Center for Wildlife Diseases, University of Connecticut, Storrs; the Registry of Comparative Pathology, Armed Forces Institute of Pathology, Washington, D.C.; and the Institute of Laboratory Animal Resources, National Research Council, Washington, D.C. The program chairmen are George Migaki, Svend W. Nielsen, and Dante Scarpelli. The purpose is to provide a forum for a free exchange among the 100 participants, of recent information on several groups of pollutants, such as heavy metals, polychlorinated hydrocarbons, and others. It is our intent to have the proceedings published by the National Research Council. Persons interested in presenting papers at this symposium are asked to submit the title and a 100 word abstract by 1 January 1977 to **George Migaki, D.V.M., Registry of Comparative Pathology, Armed Forces Institute of Pathology, Washington, D.C. 20306**.

## FELLOWSHIPS

### TWO POSTDOCTORAL FELLOWSHIPS IN VIROLOGY

Applications are invited for a 1-year fellowship (renewable) in virology (to begin immediately). Project concerns genetics and nucleic acids of influenza viruses. Background of the applicants should include M.D. degree or recent Ph.D. degree in microbiology, biochemistry, or related field. Send curriculum vitae to:

**Dr. Peter Palese**  
Department of Microbiology  
Mount Sinai School of Medicine  
of the City University of New York  
5th Avenue and 100th Street  
New York, N.Y. 10029

**POSTDOCTORAL FELLOWSHIPS** are available in the Department of Molecular Biology and Biochemistry at the University of California, Irvine. The Department provides research opportunities in the fields of molecular biology, biochemistry, microbiology, molecular genetics, and immunology. These fellowships are available for 1 or 2 years, studying under the sponsorship of the following faculty members:

R. Davis: biochemical genetics of neurospora, with special reference to metabolic compartmentation; C. N. Gordon: cell division in eukaryotes, electron microscopy of macromolecules; G. A. Granger: cell and molecular mechanisms operative in cellulose immunity; B. A. Hamkalo: electron microscopy of genetic activity of eukaryotes and prokaryotes; S. H. Hayes: control of transcription and DNA synthesis in coliphage lambda; J. E. Manning: gene sequence organization in eukaryote DNA, electron microscopy; C. S. McLaughlin: biochemical genetics of RNA and protein synthesis; W. D. Nunn: regulation of membrane lipid metabolism, genetic approaches; W. M. Stanley, Jr.: protein biosynthesis in eukaryotic cells; B. M. Sutherland: enzymology of DNA repair; J. C. Sutherland: biophysical spectroscopy; K. K. Tewari: nucleic acids of chloroplasts and other organelles; E. K. Wagner: animal virology, nucleic acids; R. C. Warner: molecular biology of nucleic acids; C. A. Woolfolk: general microbiology, enzymology; and D. L. Wulff: biochemical genetics.

For further information contact the individual faculty member or write to: **Yvonne Gilbert, The Department of Molecular Biology and Biochemistry, University of California, Irvine, California 92717**.

## FELLOWSHIPS

### POSTDOCTORAL RESEARCH FELLOWSHIPS IN RESPIRATORY PHYSIOLOGY AVAILABLE 1977-1978

Apply with curriculum vitae and names of two references to: **S. M. Tenney, Department of Physiology, Dartmouth Medical School, Hanover, N.H. 03755**.

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### POSTDOCTORAL FELLOWS- CARDIOVASCULAR

Fellowships available around July 1977 as part of training grant in cardiovascular pharmacology. Areas of research include basic membrane biology and biophysics, study of subcellular organelles, hormone receptors, electropharmacology vascular muscle contraction, ionophores and drugs in hemodynamic studies. Active research group in many areas of cardiovascular research. For further information write: **Dr. A. L. Bassett, Director of Training Grant, Department of Pharmacology, University of Miami Medical School, P.O. Box 520875, Miami, Florida 33152**.

### FELLOWSHIP IN MEDICAL GENETICS AND EPIDEMIOLOGY

The University of Iowa, College of Medicine, invites applications to the Cardiovascular Center for fellowships to study the genetic determinants of coronary risk factors beginning in 1977 and 1978. The program combines clinical training in medical genetics and epidemiology with special emphasis in research. For further information, please contact **Helmut G. Schrott, M.D., Department of Medicine, University of Iowa, Westlawn S-212, Iowa City, Iowa 52242**.

### POSTDOCTORAL FELLOWSHIPS

Postdoctoral fellowships are available at the Rosenstiel School of Marine and Atmospheric Science, University of Miami.

The interests of the faculty include, but are not limited to, experimental studies and modeling of: interactions in controlled environments; the benthic boundary layer of the deep sea; the ocean as a climate-controlled biogeochemical system; coastal and shelf ecosystems; large tropical weather systems; and in the development of methods for the optimal utilization of ocean resources.

Applications should include a statement of research interests, curriculum vitae, and references, and be addressed to: **Dr. Warren J. Wisby, Associate Dean, Rosenstiel School of Marine and Atmospheric Science, University of Miami, 4600 Rickenbacker Causeway, Miami, Florida 33149**.

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

**POSTDOCTORAL FELLOWSHIPS** available for 2-year training program in pulmonary biology and disease. Program is designed to provide the fellow (M.D. or Ph.D.) with an introduction to basic disciplines relevant to lung and comprehensive training and experience in a selected area of interest, such as biochemistry, cell biology, ultrastructure, physiology, and clinical correlations. Submit curriculum vitae, research experience, and names of three references to **Dr. Emile M. Scarpelli, Department of Pediatrics, Albert Einstein College of Medicine, 1300 Morris Park Avenue, Bronx, New York 10461**.

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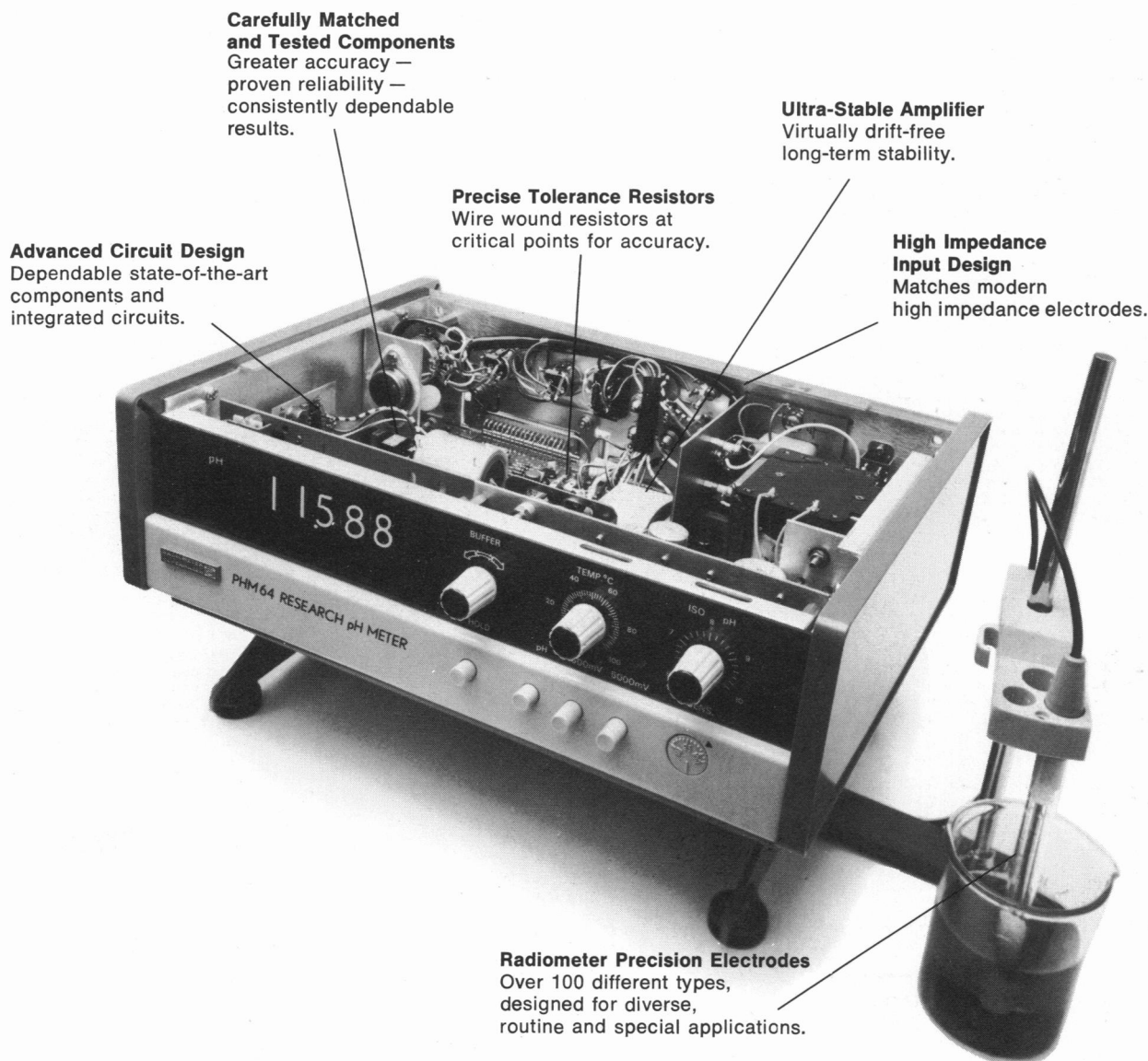
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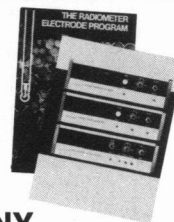
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