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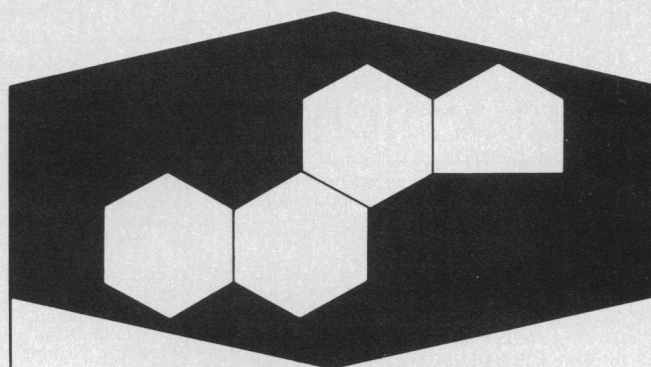
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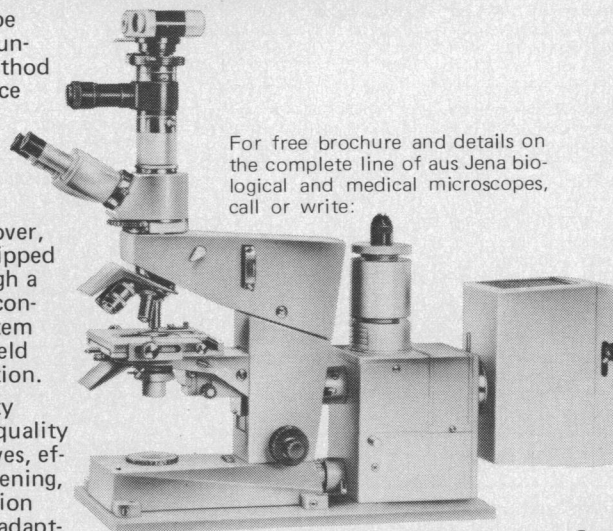


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POSITIONS WANTED

Aquatic Biologist/Limnologist. M.A. Over 4 years of extensive experience in laboratory and field on large lakes. Phytoplankton taxonomy, primary production, zooplankton, benthic fauna. Publications. Desires change; research/teaching/industry position. Available for Ph.D. program. Box 380, SCIENCE.

Aquatic Entomologist seeks teaching/research position. Ph.D. 1974. Broad interests in biology, taxonomy, and distribution of Trichoptera, Coleoptera, and so forth. Two years of teaching invertebrate zoology; nine publications. F. F. Sherberger, Department of Biology, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. X

Descriptive Physical Oceanographer (Ph.D.), 14 years of experience, wants an honest job at \$20,000 plus. Curriculum vitae from Box 381, SCIENCE. 8/20, 27; 9/3, 10

Hotshot Entomologist with master's (publication on insecticide mode of action) craves technical consulting and/or marketing position in AgChem or consumer chemicals. For more, write Box 382, SCIENCE. X

Medical Entomologist, M.S., extensive research and teaching experience in bionomics and taxonomy; seeks associate or technical position in public health laboratory. Box 360, SCIENCE. 8/20, 27

Physiologist, Ph.D. 1974. Desires academic position. Will teach general biology, systemic physiology, or physiological chemistry and direct graduate research. Research interests include hepatic organic anion transport. Prefers Northwest. Box 383, SCIENCE. X

POSITIONS OPEN

ASSISTANT PROFESSOR OF MICROBIOLOGY

The Department of Microbiology has an opening in the area of tumor virology. Applicants must have substantial postdoctoral experience and demonstrated independence in research. Interested candidates should send curriculum vitae, bibliography, statement of research interests, and the names of three references to: **Dr. Albert S. Kaplan, Department of Microbiology, Vanderbilt University School of Medicine, Nashville, Tennessee 37232.** An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

AQUATIC ECOLOGIST

Requires a Ph.D. with experience in thermal and toxic material effects on aquatic systems. You must have good capability in experimental design, be able to work with multidisciplinary teams, and demonstrate management potential. Good starting salary and excellent benefits. Send résumé with three references whom we may contact to: **L. G. Hill, Battelle Columbus Laboratories, 505 King Avenue, Columbus, Ohio 43201.** An Equal Opportunity Employer.

ASSISTANT OR ASSOCIATE ELECTRON MICROSCOPIST. Position immediately available in new TEM laboratory. Qualifications include proficiency in the preparation of biological materials for EM studies and in the operation and routine maintenance of the electron microscope and other items of laboratory instrumentation. The nature of the position is to assist the supervisor in the operation of the EM laboratory as a service laboratory in a multidisciplinary medical school setting. Address inquiries to **Dr. Alvin S. Levine, Director, Indiana University School of Medicine, Terre Haute Center for Medical Education, Indiana State University, 135 Holmstedt Hall, Terre Haute, Indiana 47809.** An Equal Opportunity/Affirmative Action Employer.

ASSISTANT HORTICULTURIST, Irrigated Agriculture Research and Extension Center, Prosser, Washington. Eleven-month appointment, 100 percent research. Available immediately. Responsibilities will be to develop a comprehensive research program on vegetable crop production and physiology. Requires Ph.D. in horticulture or related field with a strong background in plant physiology. Demonstrated research and leadership capabilities and a desire to work with industry groups, graduate students, and other scientists. Send résumé, transcripts, and at least three letters of recommendation by 1 September 1976 to **Dr. O. E. Smith, Chairman, Department of Horticulture, Washington State University, Pullman, Wash. 99163.** Telephone: 509-335-9502. An Equal Opportunity/Affirmative Action Employer.

GEORGETOWN UNIVERSITY DEPARTMENT OF BIOLOGY

Assistant professorship available immediately. Duties include teaching a "biological concepts" course to nonscience majors and a graduate course in some aspect of animal physiology or algology, as well as mentoring senior, master's, and Ph.D. theses. A productive research program is required. Salary is competitive. *Georgetown University is an Equal Opportunity/Affirmative Action Employer.* Please send curriculum vitae, sample publications, a statement of research plans, and three letters of reference to:

Dr. G. B. Chapman
Department of Biology
Georgetown University
Washington, D.C. 20057

The Department of Psychology at Indiana University, Bloomington, has three **ASSISTANT PROFESSOR OPENINGS** for new or recent Ph.D.'s for the 1977-78 academic year. The positions are in developmental, clinical, and physiological psychology. Minorities and women are encouraged to apply. Appointees will be expected to teach at both the undergraduate and graduate levels and to carry out and supervise research. Applicants are requested to indicate prominently in their letters of application which of the positions they are seeking. Please send a curriculum vitae and a list of at least three references to: **Dr. Irving J. Saltzman, Chairman, Department of Psychology, Indiana University, Bloomington, Indiana 47401.** Indiana University is an Equal Opportunity Employer.

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

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

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR OF MEDICINE, endocrinology, at new medical school. Requirements: M.D. and Board-eligibility in medicine and endocrinology or equivalents. Applicants should have demonstrated aptitudes for independent research and for teaching all aspects of clinical endocrinology and metabolism. Attractive facilities for research in biochemistry of hormonal action. Write, sending curriculum vitae to: **Dr. Victor Lavis, Department of Medicine, University of Texas Medical School, Houston, Texas 77025.** We are an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR, PHYSIOLOGY

The Department of Physiology, Texas College of Osteopathic Medicine, invites applications from well-qualified individuals in the areas of **renal physiology and neurophysiology.** Applicants must hold the Ph.D. degree, and preference will be given to those with postdoctoral experience and previous exposure to medical physiology. It is expected that the successful candidates will engage in productive research and contribute to the development of a graduate program in physiology. The positions are available immediately, but will be held open until 1 January 1977 if necessary. The minimum salary for each position will be \$18,000 annually. Please send curriculum vitae, including a brief description of teaching experience and research interests, career objectives, and names of at least three references to:

Dr. John F. Gaugl, Chairman
Department of Physiology
North Texas State University
Texas College of Osteopathic Medicine
Denton, Texas 76203

Texas College of Osteopathic Medicine is a state-supported institution under the president and regents of North Texas State University and is an Equal Opportunity Employer.

ASSISTANT PROFESSOR OF PHYSIOLOGY

The Department of Physiology has a position available for which applications are invited. Preference will be given to candidates holding an M.D. or Ph.D. degree with experience and interest in skeletal muscle physiology at the cellular level, for example, excitation-contraction coupling. The position involves medical and graduate student teaching. Please send curriculum vitae, bibliography, and names and addresses of three references to: **Chairman, Muscle Physiology Search Committee, Department of Physiology, Yale University School of Medicine, 333 Cedar Street, SHM B-106, New Haven, Connecticut 06510.** Applications from women and members of minority groups are encouraged. An Equal Opportunity/Affirmative Action Employer. Applications should be received before 15 October 1976.

BIOLOGICAL STRUCTURE/RIBOSOMES

Applications are invited for two postdoctoral positions for fall 1976 to work on the structure of ribosomes using antibody-labeling techniques, electron microscopy, and optical and x-ray diffraction. Candidates should have experience in biochemistry, molecular biology, immunology, or x-ray crystallography. Send curriculum vitae and three letters of reference to: **Dr. James A. Lake, Molecular Biology Institute, University of California, Los Angeles, Calif. 90024.** An Equal Opportunity/Affirmative Action Employer.

BIO-ORGANIC CHEMIST—Immediate opening for a biochemist with a strong organic background, or an organic chemist with postdoctoral experience in biochemistry. Develop graduate biochemistry program in a Ph.D.-granting chemistry department, teach medical students in a 6-year, B.S.-M.D. program, interact with polymer science department. Established person sought; rank and salary open. Send résumé, names of three references, and outline of future research program to: **Dr. M. F. Faron, Acting Head, Department of Chemistry, The University of Akron, Akron, Ohio 44325.** An Equal Opportunity/Affirmative Action Employer.

CARDIOLOGIST, for full-time academic appointment in a large southern medical school involving teaching, research, and invasive diagnostic studies. Salary equivalent to experience. Write Box 384, SCIENCE.

POSITIONS OPEN

BIOMEDICAL SCIENTIST, Ph.D., to do in vivo research on cancer chemotherapy; combination chemotherapy and combined modality therapy. Academic affiliation. Address inquiries to **Dr. Daniel S. Martin, 89-15 Woodhaven Boulevard, Woodhaven, New York 11421.**

CELL BIOLOGIST OR ONCOLOGIST

Assistant professor, Ph.D. or M.D. For a department oriented toward cell biology and oncology. Graduate and undergraduate teaching. Send applications to **J. S. Hugon, M.D., Département d'Anatomie-Biologie Cellulaire, Centre Hospitalier Universitaire, Université de Sherbrooke, Sherbrooke, Québec, Canada J1H 5N4.**

CHAIRPERSON

Department of Avian and Aquatic Animal Medicine

Applications are sought for the chairperson of the Department of Avian and Aquatic Animal Medicine, New York State College of Veterinary Medicine. The individual sought should possess a strong educational and research background in avian and/or aquatic animal medicine, with talents in organization, administration, and interpersonal relations. In addition to academic duties, the Department is responsible for the poultry and aquatic animal disease diagnostic facilities at the College and two regional diagnostic laboratories which are located in different regions of the state. The P. Philip Levine Research Laboratories for Avian Diseases, an integral portion of the Department, is located approximately 2 miles from the College. Applicants should send complete curriculum vitae, personal bibliography, and references to **Dr. L. E. Carmichael, Search Committee Chairman, New York State College of Veterinary Medicine, Cornell University, Ithaca, N.Y. 14853. An Equal Opportunity Employer.**

CHAIRMAN

DEPARTMENT OF NEUROLOGY

Texas Tech University School of Medicine is accepting applications for the chairman of neurology. Candidates must have experience in the clinical, research, and teaching aspects of academic medicine. The appointee will be expected to build a Department of Neurology including the development of neurological programs at the three regional academic health centers at Lubbock, El Paso, and Amarillo. Applications must be received by 1 October 1976.

Please send inquiries and curriculum vitae to:

Alexander D. Kenny, Ph.D.
Chairman, Neurology Chairman Search Committee
Texas Tech University School of Medicine
P.O. Box 4569
Lubbock, Texas 79409
An Equal Opportunity Employer

CHAIRPERSON MICROBIOLOGY

Cornell University Medical Center seeks a distinguished microbiologist for appointment as professor and chairperson, Department of Microbiology. Candidates must present evidence of experience and accomplishment in teaching, research, and administration. Send credentials to:

Microbiology Search Committee
Room A-128
CORNELL UNIVERSITY
MEDICAL COLLEGE
1300 York Avenue
New York, New York 10021

Equal Opportunity Employer, M/F

DIRECTOR OF LABORATORIES—Pathologist to develop and supervise diagnostic services in student health center and new \$18 million outpatient clinic, opening early 1977. Candidates must be Board-certified (anatomic and clinical); have considerable experience in operation and direction of clinical laboratories; and have demonstrated ability to teach and develop research program. Salary and academic rank negotiable.

Contact **R. W. Leader, Chairman, Department of Pathology, Michigan State University, East Lansing, Michigan 48824. Telephone: 517-355-6504.**

Michigan State University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CLINICAL RESEARCH SCIENTIST. The Institute for Biological Research and Development invites applications for **vice president.** Responsibilities include initiating and managing drug trials in selected medical settings in the Midwest or West Coast and operating an independent field office. The applicant should have a Ph.D. or M.S. with experience in pharmaceutical research, especially managing clinical trials. Salary to be commensurate with experience. Submit curriculum vitae to **J. A. Bollert, Ph.D., 901 Dove Street, Suite 165, Newport Beach, Calif. 92660.**

DIRECTOR, REPRODUCTION-TERATOLOGY

The International Research and Development Corporation, a quality independent laboratory performing toxicological research on a contract basis, is seeking a scientist to direct the research program in its recently expanded reproduction and teratology department. A Ph.D. with applicable experience or an M.S. equivalent is required. Responsibilities include supervision of technical staff, protocol preparation, data evaluation, report writing, and client consultation.

If you are interested in a rapidly growing and aggressive company and would like to live in a desirable location in the Midwest, send your résumé (including salary history) to: **International Research and Development Corporation, Mattawan, Michigan 49071** (a few miles from Kalamazoo). Attention: **J. M. Ragen, Director of Personnel. An Equal Opportunity Employer.**

DIRECTOR, DEPARTMENT OF MICROBIOLOGY-VIROLOGY

Hazleton Laboratories America, Inc., a leading contract research company specializing in the life sciences, is seeking a Ph.D. or D.V.M.-Ph.D. to direct and manage the Department of Microbiology-Virology. This department consists of 45 employees including five doctoral level and has excellent projected growth. Prefer candidate with a minimum of 8 to 10 years of experience including recent management responsibilities. Scientific training and experience should be in areas of mutagenesis, in vitro carcinogenesis, virology, or immunology.

Our staff and modern research facilities are located in suburban northern Virginia, approximately 20 miles west of Washington, D.C. We offer competitive salaries including incentives, full benefits, relocation, and opportunity for continued professional growth.

Interested candidates please send résumés including salary history in complete confidence to **Michael J. Mackert, Personnel Manager, Hazleton Laboratories America, Inc., 9200 Leesburg Turnpike, Vienna, Virginia 22180.**

Equal Opportunity Employer, M/F

Position available at the **research assistant professor** level for a Ph.D. **ENGINEER-PHYSIOLOGIST** with interest and experience in cardiovascular ultrasound instrumentation R & D. Position includes teaching and individual and team research with nationally recognized program; 2 to 3 years of postdoctoral experience required. Send résumés to **Donald W. Baker, Center for Bioengineering, RF-52, University of Washington, Seattle, Wash. 98195. An Equal Opportunity/Affirmative Action Employer.**

A line faculty appointment of appropriate rank is offered for an **EPIDEMIOLOGIST** with demonstrated training and experience in any of three fields: occupational diseases, chronic diseases/cancer, or assessment of community health service needs. Responsibilities include instruction in epidemiology and preventive medicine; possible graduate instruction; and initiation of epidemiologic studies for evidence of preventable disease in occupational or community populations served by the medical school, or in selected chronic disease categories. Qualifications include Ph.D./M.D.; two or more years of experience in independent conduct of epidemiologic studies demonstrated by success in proposing/funding studies, senior authorship of published reports, or other evidence of leadership. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Closing date: 27 September 1976.

Send résumé and names of at least three references to:

T. Timothy Crocker, M.D.
Chairman, Department of Community
and Environmental Medicine
College of Medicine
University of California
Irvine, California 92717

THE INTERNATIONAL CENTRE OF INSECT PHYSIOLOGY AND ECOLOGY P.O. BOX 30772 NAIROBI, KENYA

Vacancy: **RESEARCH SCIENTIST** (Fine Structure Research Unit)

Qualifications: Ph.D. in a biological science with considerable training and technical expertise in electron microscope and associated techniques.

Responsibilities: The successful candidate will be responsible for the organization of the work of the Fine Structure Research Unit under the general supervision of the Directors of Research. He will also be able to pursue his own research in insect fine structure, including cytochemistry and autoradiography, and to assist other scientists with their work involving electron microscope techniques. The position is a very responsible one, and requires a senior, mature, and experienced electron microscopist with wide organizational ability and enormous technical expertise.

Salary: According to qualifications and experience but, in any case, will not be less than K.Shs. 65,000 per annum for an experienced scientist. Other benefits include housing allowance, group medical insurance scheme, and passages for the appointee and his family.

Applications, in six copies, giving detailed information on general education, professional qualifications, experience, marital status, age, present terms of employment (including salary), and names and addresses of four referees (including one personal referee), should be addressed to:

The Administrative Manager
The International Centre of Insect Physiology
and Ecology
P.O. Box 30772
Nairobi, Kenya

to reach him not later than 31 August 1976.

UNIVERSITY OF HONG KONG

LECTURESHIP/ASSISTANT LECTURESHIP IN DEVELOPMENTAL/CLINICAL PSYCHOLOGY

Applications are invited for a post of Lecturer or Assistant Lecturer in Developmental/Clinical Psychology for the Department of Psychology. Applicants should be capable of teaching the undergraduate courses in Growth and Development, Experimental Psychopathology, as well as contributing to the postgraduate programme in Clinical Psychology. The department also has a Developmental Play Group Laboratory with Closed Circuit T.V.

Annual salaries (superannuable) [currently under review] are:— Lecturer HK\$48,960 × 3,300 – 55,560 BAR 58,860 × 3,300 – 75,360 × 3,360 – 82,080; Assistant Lecturer HK\$35,760 × 3,300 – 45,660. (£1 = HK\$9.00 approx.). Starting salary will depend on qualifications and experience.

Further particulars and application forms may be obtained from the Association of Commonwealth Universities (Appts), 36 Gordon Square, London WC1H 0PF, or the Assistant Secretary (Recruitment), University of Hong Kong, Hong Kong.

Closing date for applications is 15 September 1976.

POSITIONS OPEN

STATE OF NORTH CAROLINA

Position available immediately in Raleigh, North Carolina, for **DIRECTOR** of Marine Resources Center's program. Incumbent will be responsible for the management and administration of three Marine Resources Centers located in coastal North Carolina. Each Center carries out a program of extension education, public information, applied research, and advisory services in the marine area under the direct supervision of a resident center director.

The successful applicant will have a strong background in administration, at least a bachelor's degree in marine science or in engineering, and an ability to relate to and communicate with government officials, university faculty, public school personnel, and the general public. Salary will be in the range of \$18,000 to \$20,000 per annum.

Submit résumé, qualifications, and names of three references prior to 1 September to **Dr. C. Q. Brown, Chairman of the Search Committee, Office of Marine Affairs, Department of Administration, 403 North Wilmington Street, Raleigh, North Carolina 27601.**

The State of North Carolina is an Equal Opportunity Employer.

EM LABORATORY TECHNICIAN: Fully trained and experienced in basic techniques of tissue preparation for TEM. Must be proficient in ultrathin sectioning. Write **Dr. Greta E. Tyson, Director, Electron Microscopic Center, Drawer EM, Mississippi State University, Mississippi State, Miss. 39762**, no later than 10 September 1976. *Mississippi State University is an Equal Opportunity/Affirmative Action Employer.*

EXPERIMENTAL ANIMAL VETERINARIAN

Applications are invited from individuals with training and experience in the operations of an institutional laboratory animal facility. Qualifications should include a veterinary degree, demonstrated experience in the maintenance, breeding, and diseases of laboratory animals, and an understanding of research methods used in immunology and pathology. Some knowledge of tropical diseases of livestock is desired. Initial appointment is for 2 years, renewable. Salary negotiable. Generous retirement and other benefits. Send curriculum vitae to:

**The Director
International Laboratory for Research
on Animal Diseases (ILRAD)
P.O. Box 30709
Nairobi, Kenya**

EXPERIMENTAL NUTRITION: FACULTY POSITION

The Department of Nutritional Sciences at the University of California, Berkeley, seeks to appoint an experimental nutritionist, effective 1 October 1976.

Applications are invited from new investigators and from established independent investigators. Research emphases are not restricted but should be related to biochemical and/or physiological aspects of experimental nutrition. Teaching responsibilities include at least two courses per year (including a laboratory). Level of appointment will be dependent on qualifications. Applications should be submitted to **Chairman, Experimental Nutrition Search Committee, Department of Nutritional Sciences, 119 Morgan Hall, University of California, Berkeley, Calif. 94720**. Applications should be accompanied by a complete curriculum vitae and publication list, a statement of research interests and areas the applicant hopes to develop, two copies of publications relevant to current research interests, and a brief description of teaching experience. Applicants should submit the names of five referees able to evaluate the academic, teaching, and research potential of the applicant. Deadline for completed applications: applications must be postmarked by 30 September 1976.

The University of California is an Equal Opportunity Employer. Women and minority candidates are urged to apply.

INSECT TOXICOLOGIST—Assistant or associate professor. Ph.D. in insect toxicology or closely related area. The appointee will be expected to develop an independent research program and contribute to existing research in the Department directed toward the solution of insect problems in New York State. Send curriculum vitae and names of five references by 15 September 1976 to **Dr. E. H. Glass, Department of Entomology, New York State Agricultural Experiment Station, Cornell University, Geneva, N.Y. 14456**. *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

The Department of Fisheries and Wildlife, Michigan State University, is seeking a **FISHERIES SCIENTIST** to fill a permanent teaching/research position at the assistant professor level. Responsibilities will include teaching a course in ichthyology and a related specialty course. Applicants should have training and competence for an active program of research on Great Lakes fisheries and be interested in undergraduate and graduate training. A curriculum vitae, transcripts, reprints of relevant publications, a full description of research interests, and names and addresses of at least three references should be submitted to: **Dr. C. D. McNabb, Department of Fisheries and Wildlife, Michigan State University, East Lansing, Michigan 48824**, by 30 September 1976. *Michigan State University is an Affirmative Action/Equal Opportunity Employer.*

GENETICS

Assistant professor of biology. An opening will be available 1 January 1977 for a Ph.D. in genetics and related fields. Preference will be given to persons with teaching interests in both molecular and organismal genetics and research experience in either of these fields. Applicants should submit a copy of curriculum vitae, a list of publications, pertinent reprints, three letters of recommendation, and a brief statement of immediate research objectives to: **Dr. L. A. Cuervo, Chairman, Search Committee, Department of Biological Sciences, Florida International University, Tamiami Trail, Miami, Florida 33199**.

GROSS ANATOMIST

Assistant professor of biology. An opening will be available 1 January 1977 for a Ph.D. in gross anatomy. Duties involve taking charge of a three-quarter course in gross human anatomy with cadaver dissection. This course is given to health-related and arts and sciences majors and is of high professional quality. Preference will be given to candidates with teaching and research interests in ultrastructure/cell biology. Applicants should submit a copy of curriculum vitae, a list of publications, pertinent reprints, three letters of recommendation, and a brief statement of immediate research objectives to:

**Dr. L. A. Cuervo
Chairman, Search Committee
Department of Biological Sciences
Florida International University
Tamiami Trail
Miami, Florida 33199**

IMMUNOHISTOCHEMISTRY. Research assistant should have practical experience in production of antibodies and use of peroxidase in light and electron microscopy. Knowledge of CNS histology desirable. Starts September 1976. Apply to **M. Kerans, New York University Medical Center, 587 First Avenue, New York, New York 10016**. *An Equal Opportunity Employer.*

THE UNIVERSITY OF MICHIGAN Department of Surgery

The Department of Surgery is seeking an experienced **MEDICAL SCIENTIST** with special interest in gastrointestinal endocrinology and expertise in radioimmunoassay of gastrointestinal hormones. The individual would be expected to spend the majority of his time in research programs in the Department of Surgery, but would also be expected to participate in teaching programs and clinical programs when appropriate. Rank and salary would be commensurate with qualifications and experience. Code #600B0. Send résumé to **Box 389, SCIENCE**. *A Nondiscriminatory, Affirmative Action Employer.*

MICROBIOLOGIST

Excellent opportunity for innovative individual to participate in basic research in microbial genetics. The successful applicant must have an M.S. or B.S. with further training and experience in molecular genetics and/or molecular biology.

Please submit résumé including salary requirements, in confidence, to: **W. T. Jackson, Employment Supervisor.**

**MERCK & CO., INC.
Rahway, N.J. 07065**

Equal Opportunity Employer, M/F

POSITIONS OPEN

THE UNIVERSITY OF MICHIGAN Instructor/Assistant Professor

Candidate must be certified in clinical and anatomic pathology. Position will require medical school teaching responsibilities in the Department of Pathology. Prefer individual who is certified by the American Board of Pathologists in the specialty of microbiology. Individual will be responsible for direction of the Clinical Microbiology Laboratory. Code #800D0. Send résumé to **Box 387, SCIENCE**. *A Nondiscriminatory, Affirmative Action Employer.*

THE UNIVERSITY OF MICHIGAN Department of Anatomy

Two **INSTRUCTORSHIPS** available January 1977 for new or recent Ph.D.'s in anatomy or physiology. Applicants are expected to assist in teaching of gross anatomy and/or neuroanatomy. Research interests preferably relating to neural and hormonal controls of the components of the vascular wall as they relate to development and progress of experimental and spontaneous hypertension analyzed by a combination of intravital and electron microscope techniques. Submit curriculum vitae and three references before 15 September 1976 to **Box 388, SCIENCE**. Codes #1400F0 and #100H0. *A Nondiscriminatory, Affirmative Action Employer.*

WANTED: Established **INVESTIGATOR** in viral and/or chemical oncology with interests in establishing in vitro carcinogenesis research programs in a hospital research setting. Ohio. Salary commensurate with experience. Send reply to **Box 386, SCIENCE**.

LUNG MODELING/AEROSOL DEPOSITION

Junior faculty position available immediately at University of California, Irvine, to participate in research project in lung modeling/aerosol deposition. Facility in computer programming and respiratory physiology is desirable. Doctoral-level degree or equivalent experience required. *Applications from all qualified candidates are welcome. Women and minorities are encouraged to apply.* Submit curriculum vitae and names of at least three references to **Archie F. Wilson, M.D., Ph.D., Department of Medicine, University of California, Irvine, Medical Center, Orange, California 92668**.

MEDICAL MICROBIOLOGIST, M.S. Coordinate and direct teaching assistants in the preparation of laboratory sessions for medical students, graduate students, and students in the allied health professions. Participate as a lecturer in field of specialization to students in the allied health professions. Specialization in one of the following is essential: bacteriology, virology, mycology, parasitology, or immunology. Knowledge in any of the other areas is desirable. Position available 1 September 1976. Send résumé and three references to: **Harry W. McFadden, Jr., M.D., Department of Medical Microbiology, University of Nebraska College of Medicine, 42nd and Dewey Avenue, Omaha, Nebraska 68105**. *An Equal Opportunity Employer.*

PHYSICIAN/EDUCATOR for Administration

The Medical College of Wisconsin and the Wood Veterans Administration Center seek an M.D. to function in the dual capacity of Associate Dean for Curriculum and Associate Chief of Staff for Education at VA. Responsible for curriculum development, evaluation, and research at the Medical College and administration of wide-ranging educational program at VA. Experience and major interest in medical education required. Send curriculum vitae to: **Paul S. Rosenfeld, M.D., Associate Dean for Student Affairs, Medical College of Wisconsin, 561 North 15 Street, Milwaukee, Wisconsin 53233**. *An Equal Opportunity/Affirmative Action Employer.*

PLANT PHYSIOLOGIST-TECHNOLOGIST—To assist in expanding research under way on the reproductive biology of loblolly pine, including flower stimulation and vegetative propagation. A master's degree is preferred, but qualified applicants with a B.S. or Ph.D. will be considered. Contact: **Michael Greenwood, Weyerhaeuser Company, P.O. Box 1060, Hot Springs, Arkansas 71901**. Telephone: 501-624-8212.

POSITIONS OPEN

MICROBIOLOGIST—Assistant professor to teach undergraduate general microbiology, conduct research, and develop advanced courses in his or her area of specialization. Preference will be given to individuals with expertise in one or more of the following areas: animal virology, molecular genetics, pathogenic bacteriology, or immunobiology. Preference will also be given to individuals receiving their undergraduate training in a microbiology department.

PHYSIOLOGICAL ECOLOGIST—Assistant professor to teach at the undergraduate/graduate levels and to develop a viable research program in his or her area of interest. Postdoctoral experience and interest in communities preferred.

Deadline for receipt of completed applications: 15 October 1976; for initial appointments: September 1977.

Send inquiries or credentials to **Dr. F. Sogandares-Bernal, Professor and Chairman, Department of Biology, Southern Methodist University, Dallas, Texas 75275. An Equal Opportunity/Affirmative Action Employer.**

PLASTICS FABRICATION

Immediate opening for laboratory-oriented engineer to perform precision fabrication of prosthetic devices of polymeric materials. At least 3 years of practical experience and ability to direct technicians required. Ability to conduct basic research on non-thrombogenic materials desirable. *Equal Opportunity/Affirmative Action Employer.* Apply with résumé to: **Professor William O'Bannon, Department of Surgery, Baylor College of Medicine, 1202 Moursund Avenue, Houston, Texas 77030.**

POSTDOCTORAL POSITIONS

Postdoctoral positions available September 1976 to January 1977 in immunological areas dealing with the use of synthetic polymers of amino acids to study genetic control of immune response, the involvement of suppressor T cells, and the isolation and characterization of T cell receptors. Salary open, depending on experience. Send résumé and references to **Dr. Paul H. Maurer, Chairman, Department of Biochemistry, Jefferson Medical College, 1020 Locust Street, Philadelphia, Pa. 19107.**

POSITIONS OPEN

PHYSIOLOGICAL PHARMACOLOGIST

The Departments of Rehabilitation Medicine and Pharmacology at the College of Physicians and Surgeons of Columbia University seek an established investigator to develop a research program preferably related to the microcirculation. Other fields such as those concerning muscle function or temperature regulation will also be considered. A joint faculty appointment in both departments will be available at a rank commensurate with experience. The position will involve responsibility for teaching medical and graduate students. Experience in collaborations with physicians in the design and implementation of clinical investigation is desirable. Send applications, including a curriculum vitae and names of possible references, to: **Dr. John Downey, Chairman, Department of Rehabilitation Medicine, Columbia-Presbyterian Medical Center, 530 West 168 Street, New York, N.Y. 10032. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION: Available immediately; \$9,000 to \$10,000 per year. Two-year appointment. Biochemical research on sperm maturation in the epididymis. Experience in energy metabolism, membranes, or reproductive physiology preferred. Send résumé and two references to **Dr. Edmund R. Casillas, Chemistry Department, Box 3C, New Mexico State University, Las Cruces, New Mexico 88003.** Deadline for applications is 15 September 1976. *An Equal Employment/Affirmative Action Employer.*

POSTDOCTORAL RESEARCH POSITION, available immediately, for Ph.D. in biochemistry, chemistry, or life sciences. For investigations either of the enzymology and regulations of DNA precursor synthesis or molecular aspects of bacteriophage replication. Minimum salary: \$9500. Reply, with curriculum vitae and names of three references, to **Dr. Christopher K. Mathews, Department of Biochemistry, University of Arizona, Tucson, Arizona 85724. An Equal Opportunity/Affirmative Action Employer under state and federal laws and regulations including Title IX, 1972 Education Amendments.**

POSITIONS OPEN

POSTDOCTORAL FELLOW, starting 1 December 1976, for research on the biochemistry of mitochondrial DNA in Paramecia. Send curriculum vitae and references to **D. J. Cummings, Department of Microbiology, B175, University of Colorado Medical Center, 4200 East Ninth Avenue, Denver, Colorado 80220.**

Our institution is an Equal Opportunity/Affirmative Action Employer.

PREDOCTORAL AND POSTDOCTORAL POSITIONS: Available immediately, training opportunities for U.S. citizens in nutritional biochemistry and oral biology, offered through the Department of Biochemistry and the Institute of Dental Research in the School of Dentistry. Predoctorals may seek a Ph.D. degree in biochemistry. Postdoctoral candidates (D.M.D., M.D., or D.V.M.) may choose a research program from various nutrition areas (folic acid metabolism, trace elements, vitamin A and protein interrelationship, and so forth). Predoctoral stipends: \$3900 per year; postdoctoral stipends: \$10,000 to \$12,000 depending on experience. For information write to: **Dr. Juan M. Navia, Director of Research Training, University of Alabama in Birmingham, University Station, Birmingham, Alabama 35294. The University of Alabama in Birmingham is an Equal Opportunity/Affirmative Action Employer.**

PUBLIC AFFAIRS ASSISTANT

Will coordinate a wide variety of public information functions with strong emphasis on preparation and production of written and visual materials including semiscientific reports and publications concerning the \$46 million Laboratory for Laser Energetics national program. Applicants must possess good writing skills; scientific or technical writing experience is desired. Prefer undergraduate science degree and graduate education in journalism and more than 3 years of experience in public relations. Submit résumé to: **Assistant Personnel Director, Box 636,**

**University of Rochester
260 Crittenden Boulevard
Rochester, New York 14642**

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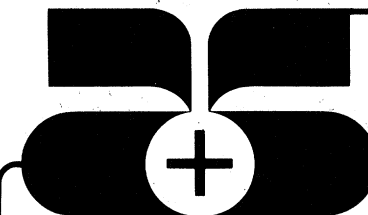
Scientific Officer responsible for contract research programs in long range naval applications of information sciences involving a mathematical approach in computer software.

Must have Ph.D. or equivalent in mathematics with current research experience in computer science including: knowledge of state of the art in computer languages, program verification, testing, program design methodology, software reliability, computer security and the contingent areas of computer hardware and software embedment in hardware.

Send Standard Form 171 by 7 Sept. 1976 to:

Office of Naval Research
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POSITIONS OPEN

UNIVERSITY COLLEGE GALWAY, IRELAND PROFESSORSHIP OF BIOCHEMISTRY

Applications are invited for the above post. Salary scale £7854 × (8) to £9378 plus marriage and family allowances. Latest date for receipt of applications is 24 September 1976. Further information may be obtained from the Registrar, University College, Galway, Ireland.

VISITING PROFESSOR OF BIOLOGICAL SCIENCES. Temporary appointment for the spring semester 1977. Ph.D. and research interest in endocrinology required. Teaching duties will include undergraduate endocrinology and undergraduate seminar. Established worker with need to "get away" for a semester preferred. Spring semester extends from January 1977 through May 1977. Salary negotiable. Send curriculum vitae to: **Dr. R. C. Jackson, Chairman, Biological Sciences, Texas Tech University, Lubbock, Texas 79409. Texas Tech University is an Equal Opportunity/Affirmative Action Employer.**

Le Département de biochimie de l'Université de Montréal recherche deux **PROFESSEURS** travaillant sur les systèmes eucaryotes. Les candidats doivent avoir un doctorat, de l'expérience postdoctorale et parler couramment le français. La tâche inclut l'enseignement et la recherche. Les candidatures accompagnées d'un curriculum vitae, d'un programme de recherche, et des noms de trois répondants seront adressées à: **Comité de sélection, Département de biochimie, Université de Montréal, C.P. 6128, Montréal, Québec, Canada H3C 3J7.**

POSITION IN RADIOLOGICAL SCIENCES AT THE UNIVERSITY OF CALIFORNIA, COLLEGE OF MEDICINE, IRVINE

The Department of Radiological Sciences at the University of California, Irvine, invites applications for a full-time position in **ULTRASOUND** at assistant professor level. Applicants should be Board-certified radiologists with special training in ultrasound, preferably at a university medical school, and must be prepared to develop a research program in ultrasound. The post will include responsibility for the clinical operation of the ultrasound department and teaching at undergraduate and resident levels. The successful candidate will be based at the VA Hospital, Long Beach (Chief of Radiology, Dr. Henry Pribram), and will be appointed to the faculty of the University of California, College of Medicine, Irvine. The residency program in radiological sciences is completely integrated between the University of California, Irvine, Medical Center, the VA Hospital, Long Beach, and Memorial Hospital, Long Beach.

Applications from all qualified candidates are welcome; minorities and women are encouraged to apply. Applications, which must include a short biography and copies of any publications, should be sent to:

**Eric N. C. Milne, M.B., Ch.B., F.F.R.
Professor and Chairman
Department of Radiological Sciences
College of Medicine
University of California, Irvine
Irvine, California 92717**

Closing date: 3 September 1976.

POSITION IN RADIOLOGICAL SCIENCES AT THE UNIVERSITY OF CALIFORNIA, IRVINE, COLLEGE OF MEDICINE

Applications are invited for a post at the assistant professor level in the Section of Therapeutic Radiology at the University of California, College of Medicine, Irvine. This will be a full-time position with responsibilities for teaching at undergraduate and graduate levels and for clinical research and service in the University of California, Irvine, Medical Center. The applicant should be a Board-certified radiologist preferably with a minimum of 3 years of experience in therapeutic radiology in a university medical school, and must be prepared to engage in ongoing research and to develop new research protocols. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Applications, including a short biography and copies of any publications, should be sent to:

**Eric N. C. Milne, M.B., Ch.B., F.F.R.
Professor and Chairman
Department of Radiological Sciences
College of Medicine
University of California, Irvine
Irvine, California 92717**

Closing date: 27 August 1976.

POSITIONS OPEN

NEUROPHYSIOLOGIST

Assistant professor of physiology starting September 1977. Seeking central nervous system neurophysiologist with interest in neurochemistry for medical and graduate teaching. Research opportunities. Send curriculum vitae and names of three references to **Chairman, Department of Physiology, University of Southern California School of Medicine, 2025 Zonal Avenue, Los Angeles, California 90033. An Affirmative Action Employer.**

RESEARCH ASSOCIATE

Research associate required for research into trace mineral metabolism in genetic chondrodysplasia of dogs. A Ph.D. in nutrition, physiology, or biochemistry is preferred and some experience with trace mineral transport mechanisms and metabolism would be useful. Term is from 1 to 3 years and the salary is \$11,500 per annum. Closing date for applications, 15 October 1976.

Send curriculum vitae, together with three references, to **Dr. W. D. Morrison, Professor and Chairman, Department of Animal and Poultry Science, University of Guelph, Guelph, Ontario, Canada N1G 2W1.**

WANTED: Ph.D. RESEARCH ASSOCIATE with postdoctoral experience in cell culture and biochemistry. Experience in electron microscopy preferred. Interests in carcinogenesis with mammalian epithelial systems. Salary commensurate with experience. Ohio. Send reply to **Box 385, SCIENCE.**

RESEARCH VIROLOGISTS

Ph.D. with 2 years of recent experience in diagnostic virology to develop programs in the NIH/WHO Simian Virus Laboratory. Additionally, two 1-year postdoctoral appointments available; one requires training in RNA tumor viruses, other in herpesviruses. All positions available 1 September 1976. Diagnostic virologist salary open; postdoctoral salaries: \$12,000 year. Please address curriculum vitae with names of two references to **Personnel Manager, Southwest Foundation for Research and Education, P.O. Box 28147, San Antonio, Texas 78284.**

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SCIENTIFIC POSITION: The National Center for Drug Analysis has an opening for a **CHEMIST** with substantial experience in organic synthetic chemistry and structural elucidation. The position involves conducting research on synthesis of pharmaceutical reference standards of reagents, and on structural verification of synthesized compounds or of unknown impurities isolated from pharmaceuticals.

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

This is a Civil Service position.

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FELLOWSHIPS

FELLOWSHIPS—Postdoctoral training in allergic and immunologic diseases now available. Applicants must have a terminal degree. Fellowships renewable yearly for a total of 3 years. Send curriculum vitae to **Robert M. Stroud, M.D., Professor of Medicine, University of Alabama in Birmingham, Birmingham, Alabama 35294.**

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FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS

The Division of Immunology and Connective Tissue Diseases, Department of Medicine, Medical College of Virginia, has openings for research and/or clinical trainees. Research positions are available immediately to holders of the Ph.D. or M.D. degrees for basic or clinical studies of complement chemistry and metabolism, immunoglobulin carbohydrates, immunochemistry, rheumatic disease serology, and lymphokine production by lymphocytes. The clinical programs generally combine clinical and research experience in active rheumatology and allergy and immunology services. Reply with résumé and names of two references to **Dr. Shaun Ruddy, Division Chairman, Box 263, Medical College of Virginia, Virginia Commonwealth University, Richmond, Virginia 23298.**

POSTDOCTORAL FELLOWSHIPS

for electron microscopy application in microbial ecology available immediately. Contact **Dr. R. R. Colwell, Department of Microbiology, University of Maryland, College Park, Maryland 20742.**

POSTDOCTORAL FELLOWSHIP. National Research Service Award open to citizens or permanent residents of the United States. Electron microscopists interested in participating in research on relationship of filaments to cell surfaces in differentiating muscle, send curriculum vitae and three references to **Andrew P. Somlyo, M.D., Director, Pennsylvania Muscle Institute, Presbyterian-University of Pennsylvania Medical Center, 51 North 39 Street, Philadelphia, Pennsylvania 19104.**

PROGRAMS

National Research Council National Aeronautics and Space Administration RESIDENT RESEARCH ASSOCIATESHIPS

Tenable at the Jet Propulsion Laboratory California Institute of Technology

Awards will be made to applicants with doctorate degrees in geological and planetary sciences, on a competitive basis, to study and interpret airborne and spaceborne synthetic aperture radar imagery. Areas of research interest for geologists and planetologists include: (i) interpretation of lunar radar imagery and global profilometry obtained with the Apollo 17 ALSE radar, (ii) geologic analysis of radar imagery taken over numerous sites in the United States, and (iii) implications for future Earth and planetary spacecraft orbiting missions. A variety of aircraft flight experiments will be undertaken next year in support of ongoing and future spacecraft imaging radar projects. No previous knowledge of imaging radar techniques is necessary. Applications will be considered for regular and senior associates.

Further details on the research program can be obtained from:

**Dr. Charles Elachi
Jet Propulsion Laboratory (183-701)
4800 Oak Grove Drive
Pasadena, California 91103
Telephone: 213-354-5673**

or general information and application materials can be obtained from:

**National Research Council
Associateship Office (JH606-J)
2101 Constitution Avenue, NW
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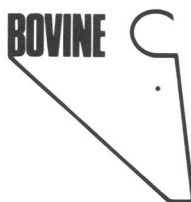
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