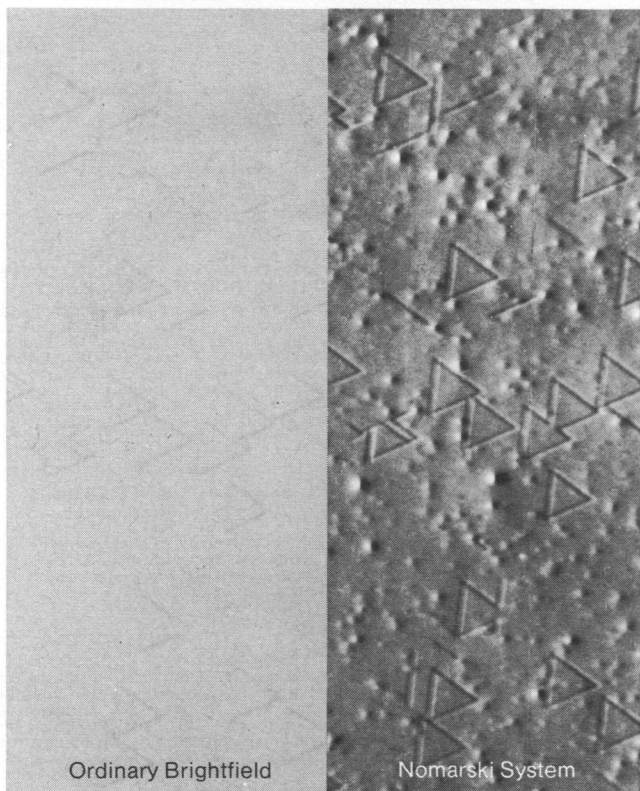


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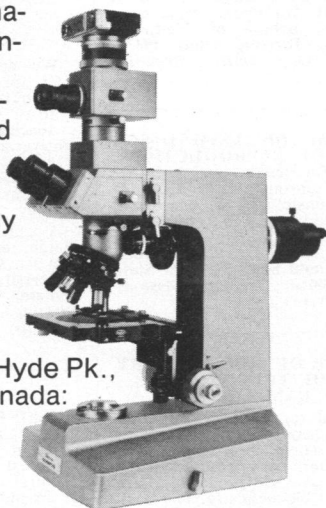


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POSITIONS WANTED

Anatomist-Histologist-Electron Microscopist. Ph.D. Desires senior academic teaching-research position. Extensive experience in transmission and scanning electron microscopy; microprobe analysis of normal and pathological tissues. Versatile, innovative person with genuine commitment to teaching. Numerous publications. Box 181, SCIENCE. X

Aquatic Biologist. M.S. Three years of experience in algal taxonomy, water chemistry, water microbiology, thermal effluents, environmental pollution. Seeking research/consulting/teaching. Box 182, SCIENCE. X

Biochemist. Ph.D. 1973, 2 years postdoctoral, publications. Seeking academic/research position. Can teach in both biochemistry and chemistry areas. Research expertise in nucleic acid and protein biochemistry or protein biosynthesis, interested in regulation. Box 153, SCIENCE. X

Chemistry. Physical/environmental. Ph.D. Teaching, administrative, research experience. Author of *Choice*, "Outstanding academic book." Interdisciplinary outlook. Seeks academic or impact analysis position. Box 183, SCIENCE. X

Epidemiologist-Health Planner. seeks position involving any combination of research, teaching, planning, or administration in academic or other situation conducive to extending interest in the epidemiology of health. Ph.D. (microbiology); experience: research on infectious diseases, administering research establishments, university teaching, organizing and directing health planning agencies, developing plans for health services. Publications and editorial experience. Box 184, SCIENCE. X

Microbiologist. Ph.D. Basic and applied research, microbial ecology, microbial physiology, aquatic microbiology, university-consulting background. Desires position in energy-related research. Box 187, SCIENCE. 4/18, 25

POSITIONS WANTED

Immunologist, Medical Microbiologist. Ph.D., postdoctorate. Five years of teaching experience in immunology, hematology, medical microbiology, and general microbiology. Extensive active research program. Publications. Currently located in nonresearch-oriented department. Desires relocation, preferably in southern or coastal academic environment, with space available for continuation of independent investigation and experienced guidance of graduate student research. Box 185, SCIENCE. X

Microbiologist. Ph.D. desires academic, research-oriented position with a college or university or public health facility. Background includes biochemistry and immunology. Research interests in host-parasite relationships, biochemistry of bacterial extracellular products, medical microbiology. Available immediately. Box 186, SCIENCE. X

Microbiologist/Virologist. Ph.D. 1968. Postdoctoral research, industry/teaching background. Experience includes cell culture, molecular virology, virus purification, and antiviral substances (including interferons). Publications. Desires academic, industry, or government position. Box 100, SCIENCE. X

Nutritional Biochemist. Ph.D. Postdoctoral plus 13 years of research experience in lipids. Publications mostly on inhalation toxicology and lung metabolism. Seeks research or academic position. Box 188, SCIENCE. X

Pathologist. Ph.D., M.D. Seeks active senior faculty position. Background in academic pediatric, and forensic pathology with research and teaching experience. Available in July 1975. Curriculum vitae upon request. Box 175, SCIENCE. 4/18

Physician-Scientist (Ph.D. pharmacology) seeks challenging position in industry, academic, or government. Box 189, SCIENCE. X

Statistician-Ecologist. seeks position in research or consulting firm. Broad background in statistics, environmental systems modeling, and computer programming. Box 190, SCIENCE. X

POSITIONS OPEN

ASSISTANT PROFESSOR

Biochemistry. Fall 1975. Ph.D. with teaching interests in lipid biochemistry and/or nutritional biochemistry. Joint appointment at Miami University and Wright State University School of Medicine. Position requires undergraduate and graduate (M.S., M.D., and Ph.D.) teaching and research. Research involvement mandatory. Qualified persons should send curriculum vitae, detailed outlines of research and teaching interests, and three letters of recommendation to **Gilbert Gordon, Chemistry Department, Miami University, Oxford, Ohio 45056** or **H. Ira Fritz, Department of Biological Chemistry, School of Medicine, Wright State University, Dayton, Ohio 45431**. Deadline 1 May. *Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF ANIMAL SCIENCE (PHYSIOLOGY OF REPRODUCTION). Applications are invited for persons with a Ph.D. degree in physiology of reproduction with training in biochemistry. Responsibilities include teaching, advising students, and research. Position is approximately 50 percent teaching and 50 percent research. Apply with résumé to **Dr. S. A. Ewing, Head, Department of Animal Science, Iowa State University, Ames, Iowa 50010**. *Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR OF BIOCHEMISTRY UNIVERSITY OF TORONTO (ERINDALE CAMPUS)

Applications are invited for a new position in biochemistry within the Chemistry Department of the University of Toronto (Erindale Campus). The successful candidate will be cross-appointed to the Biochemistry Department and will preferably have strong interests in physical biochemistry. The position will be effective from 1 July 1975. Applications to

Dr. A. J. Poë
Erindale College
University of Toronto
Toronto, Canada

POSITIONS OPEN

ANALYTICAL MARINE CHEMISTS

The Marine Studies Center maintains an analytical chemistry laboratory. Analyses covered by the laboratory include: salinity, dissolved oxygen, plant nutrients and pigments, solid and soluble organic materials, trace metals, and radiochemical tracers. Two positions are open:

Supervisor: Duties include analyses, supervision of analysts, and coordination between the laboratory and researchers. An M.S. or Ph.D. in Analytical Chemistry or Chemical Oceanography or equivalent and experience in analysis of marine samples and in laboratory supervision are recommended. Available immediately.

Technician: A B.S. in Marine Sciences or equivalent and experience in marine analyses is recommended. Available about June 1975.

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

Dr. Jonathan H. Sharp
or
Dr. Ronald J. Gibbs
Marine Studies Center
University of Delaware
Lewes, Delaware 19958

DEPARTMENT OF ANATOMY DUKE UNIVERSITY MEDICAL CENTER DURHAM, NORTH CAROLINA 27710

Applications are invited from all qualified individuals and especially women and minority candidates for the position of Professor of Neuroanatomy to begin before February 1978. Duties will include responsibility for teaching neuroanatomy to medical and graduate students and conducting a research program of the highest quality in neuroanatomy. Applicants should submit a curriculum vitae including a complete bibliography as well as three letters of recommendation from recognized authorities in neuroanatomy to:

Neuroanatomy Search Committee
Department of Anatomy
Box 3011
Duke University Medical Center
Durham, North Carolina 27710

Duke University is an Equal Opportunity/Affirmative Action Employer.

The University of California, Irvine, Department of Pathology, is recruiting for a full-time faculty position at the Assistant Professor level. Candidates must be M.D.'s and be Board qualified. Teaching responsibilities involve instructing medical students, interns, and residents. Some teaching experience is desirable. Service responsibilities include surgical, cytology, and autopsy pathology. Expected to develop independent research activities.

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

Dr. Edward R. Arquilla
University of California, Irvine
Department of Pathology
Irvine, California 92664

ASSISTANT PROFESSOR—BIOLOGY

We are accepting applications until 15 May 1975 for a highly qualified Ph.D. in Genetics (Microbial Geneticists excluded) with at least 1 year of postdoctoral work and some experience in teaching genetics. Person will teach at both the undergraduate and graduate levels and conduct a research program which supports either of the two present major areas of research in the Department: developmental biology and reproduction-ecology.

A curriculum vitae, short description of research, and three letters of reference should be sent to: **Dr. J. Gauthier, Department of Biology, University Station, University of Alabama, Birmingham, Alabama 35294**. *University of Alabama, Birmingham, is an Affirmative Action/Equal Opportunity Employer.*

ASSISTANT PROFESSOR (IMMUNOLOGY) FOR FULL-TIME FACULTY POSITION in the Division of Plastic Surgery, University of California at San Diego. Applicants must have postdoctoral experience, demonstrated accomplishment as an independent investigator, and specific interest and experience in Transplantation Biology.

Send reply, including curriculum vitae, to: **Jack C. Fisher, M.D., University Hospital, 225 West Dickinson Street, San Diego, Calif. 92103**.

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

POSITIONS OPEN

ASSISTANT CURATOR IN HERPETOLOGY OR ICHTHYOLOGY to start 1 January 1975. Appointment at half-time for 12 months, emphasizing Recent or fossil taxa; duties chiefly in collection management but include research and graduate student guidance. Ph.D. required. Send curriculum vitae and three letters of reference to **R. F. Johnston, Museum of Natural History, The University of Kansas, Lawrence, Kan. 66045.** *The University of Kansas is an Equal Opportunity Employer, encouraging applications by qualified persons of all races.*

ASSISTANT PROFESSOR, OPHTHALMOLOGY

Applications are sought for a subspecialist in external disease. Requirements for this academic position include: postresidency specialty training in external disease of the eye; previous academic experience with documented teaching, administrative, research (clinical and laboratory) abilities. Please send inquiries and curriculum vitae to: **Stephen J. Ryan, M.D., Chairman, Department of Ophthalmology, University of Southern California School of Medicine, 1200 North State Street, Box 664, Los Angeles, California 90033.** *The University of Southern California is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR, OPHTHALMOLOGY

Applications are sought for a subspecialist in vitreo-retinal diseases. This academic position includes: postresidency training in vitreous, macular and retinal disorders; documented teaching; administrative and research abilities; and proper consultative practice experience essential. Please send inquiries and curriculum vitae to: **Stephen J. Ryan, M.D., Chairman, Department of Ophthalmology, University of Southern California School of Medicine, 1200 North State Street, Box 664, Los Angeles, Calif. 90033.** *The University of Southern California is an Equal Opportunity/Affirmative Action Employer.*

Opening for **ASSISTANT PROFESSOR OF PATHOLOGY**. Board certified eligible in Anatomic Pathology. Teaching and research responsibilities also required. All candidates will be reviewed without regard to race, color, creed, or sex. *University of California is an Equal Opportunity Employer.* Send résumé to: **Julien L. Van Lancker, M.D., Professor and Chairman, Department of Pathology, University of California, Los Angeles, Calif. 90024.**

ASSISTANT PROFESSOR (PLASTIC SURGERY) for VA position and faculty appointment to the University of California, San Diego. Qualifications include: (i) commitment to teaching, (ii) superior clinical skills, and (iii) demonstrated research accomplishment.

Send reply, including curriculum vitae, to: **Jack C. Fisher, M.D., University Hospital, 225 West Dickinson Street, San Diego, California 92103.**

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

ASSOCIATE DEAN FOR EDUCATION. A Medical School in the Northeast invites applications and nominations for this major position which would be responsible for undergraduate medical education, the Ph.D. and the M.D.-Ph.D. programs, admissions, continuing education, interdisciplinary aspects of house staff training, and so forth. This is an essentially full-time position, but the several operational functions could be delegated to members of the faculty and staff. Curricula should be submitted to **Box 166, SCIENCE.** *We are an Equal Opportunity Employer.*

The Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, will be making additional appointments in **CELL SCIENCES** in anticipation of its move to a new Sciences Complex. Research-oriented individuals with background in Cell Physiology and/or Developmental Biology are invited to apply in one of the following research areas: (i) Membrane Studies; (ii) Microbial, Molecular, and Cytogenetics; (iii) Immunology; (iv) Growth, Development, and Regulation; (v) Neurosciences; and (vi) Cardiovascular Studies.

Successful candidates will be expected to participate in teaching Cell Physiology, Histology, or Embryology in the first 2 years of the medical program.

Applications will be received by **Dr. B. H. Sells, Chairman, Cell Sciences Search Committee, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada A1C 5S7,** until 20 April 1975 and should be accompanied by a curriculum vitae and names of three referees.

18 APRIL 1975

POSITIONS OPEN

ASSISTANT PROFESSOR

Ph.D. Biochemist with strong organic background. Position includes teaching undergraduates and directing undergraduate research. Apply with résumé and references to: **Dr. Charlotte W. Fahey, Chairman, Department of Chemistry, Skidmore College, Saratoga Springs, N.Y. 12866.** *An Equal Opportunity/Affirmative Action Employer.*

BIOLOGY DEPARTMENT. Permanent faculty position at the instructor or assistant professor rank. Salary range: \$10,000 to \$15,000. Beginning date: 1 September 1975. Primary responsibility: instruction of microbiology to nonmajors (home economics, food service, nursing, and inhalation therapy). Other responsibilities include instruction of microbiology to upper level biology majors; instruction of immunology to Master-level graduate students; and directing Master-level thesis research. Ph.D. required. Microbiologist proficiency in immunology and virology desired; 3 to 4 years of full-time faculty teaching experience required. Send résumés to **Dr. Francis W. Liegey, Biology Department, Indiana University of Pennsylvania, Indiana, Pa. 15701,** by 25 April 1975. *An Affirmative Action/Equal Opportunity Employer.*

BUBBLE NUCLEATION RESEARCH. Research Associate or visiting research appointment on program investigating the bubble nucleation characteristics of inorganic and organic particulates in liquid suspension. Applicant should have demonstrated research ability. Position available immediately for 1- or 2-year duration. Send references and résumé to **Professor M. V. Sussman, Department of Chemical Engineering, Tufts University, Medford, Massachusetts 02155.** *Tufts University is an Affirmative Action/Equal Opportunity Employer.*

CANCER CENTER DIRECTOR. Director sought for new Northern California Cancer Program. Unique cooperative organization with Board representing five universities (four medical schools), two foundations, ACS, CMA, and Health Department. Purpose to develop comprehensive cancer programs for northern California and northwestern Nevada. Seeking professional with doctorate in cancer-related field, demonstrated ability, and significant record of achievement. Will have national prominence. Reply to **770 Welch Rd., #190, Palo Alto, Calif. 94304.**

CHAIRMAN, PHYSICS DEPARTMENT, IOWA STATE UNIVERSITY. Applications are invited for the position of Chairman, Physics Department, Iowa State University. The department has a faculty of 42, about 100 undergraduate majors, and 90 graduate students. Iowa State University has an enrollment of about 20,000, with recognized strength in engineering and the physical sciences. Departmental research activities include solid state, nuclear, particle, and atmospheric physics and astronomy and astrophysics. The department is closely related to the Ames Laboratory of ERDA. Applicants should have the Ph.D. in physics, considerable academic experience at a department offering the Ph.D., a distinguished research record, and a demonstrated interest in promoting good teaching. The position is available 1 July but a later starting date is negotiable. *Iowa State University is an Affirmative Action/Equal Opportunity Employer.* Send résumé and the names of references by 1 May to **Dr. D. W. Lynch, Search Committee Chairman, Physics Department, Iowa State University, Ames, Iowa 50010.**

CHAIRPERSON

Applications are being accepted for positions of Chairperson in the Basic and Clinical Science Departments, School of Medicine, Uniformed Services University of the Health Sciences (USUHS), a component of the Department of Defense to be located in Bethesda, Maryland.

Qualified applicants should submit a current curriculum vitae, a summary of their teaching and research experience, and a statement of their philosophy on medical education. The names of three persons who are qualified to assess the applicant's teaching and research potential should be included. Forward to: **Dean Jay P. Sanford, M.D., School of Medicine, USUHS, 6917 Arlington Road, Room 303, Bethesda, Maryland 20014.**

Consideration will be given to all qualified applicants without regard to race, color, sex, age, or national origin.

Salaries and benefits comparable to similar positions within the vicinity of the District of Columbia.

POSITIONS OPEN

CLINICAL CHEMIST. World-renowned hospital located in New York State seeks M.D. or Ph.D. to assist in the development and supervision of the general clinical chemistry laboratory. Applicants should have postdoctoral training or experience in clinical chemistry. Research interests related to the general area of tumor biology or chemistry would be of assistance. Curriculum vitae should be sent to **Box 192, SCIENCE.** *An Equal opportunity/Affirmative Action Employer.*

COMPARATIVE PHYSIOLOGIST

Ph.D., Assistant/Associate Professor. Primary teaching responsibilities include comparative animal physiology and one term of nonmajor human biology. Research and direction of graduate students expected. Start September 1975 or 1976. Send curriculum vitae, transcripts, and names of three professional referees to: **Earl Fisher, Jr., Professor and Head, Department of Biology, Portland State University, Portland, Oregon 97207.** *An Affirmative Action Employer.*

IMMUNOPATHOLOGIST

The Department of Pathology at the University of Connecticut Health Center has an opening for a position for individual with M.D. degree, an established research productivity, and extensive experience in development and implementation of teaching. Position is an assistant/associate professional level. *We are an Equal Opportunity Employer.* Contact

**Dr. T. Yoshida
Department of Pathology
University of Connecticut Health Center
Farmington, Conn. 06032**

Faculty position vacancy to be filled for the 1975-1976 academic year at the **INSTRUCTOR/ASSISTANT PROFESSOR** level. Ph.D. in experimental science required with recent experience in application of physics to environmental problems. Position for 1 year with possible extension for a second year. Salary open. Send résumé with two letters of recommendation to **D. F. Ryan, Box 1000, Department of Physics, State University of New York-Plattsburgh, Plattsburgh, N.Y. 12901.** *An Equal Opportunity/Affirmative Action Employer*

FACULTY POSITION— MEDICINE/NEUROLOGY

The University of California, Irvine, College of Medicine, Division of Neurology, is recruiting for the position of an assistant research neurologist. Candidates should have completed his residency to participate in studies of evoked response recordings in neurological diseases. The individual will assess the neurological state of patients and learn techniques of evoked response recording. *Minorities and women are encouraged to apply.* Please address inquiries, with a copy of curriculum vitae, to: **Arnold Starr, M.D., Department of Medicine, Division of Neurology, University of California, Irvine, 101 City Drive South, Orange, California 92668.**

QUEENS COLLEGE OF THE CITY UNIVERSITY OF NEW YORK invites applications for three faculty positions in the Department of Chemistry, beginning in September 1975 or September 1976. In addition to teaching undergraduate and graduate courses, the development of an active and creative research program is expected. Applicants should have postdoctoral or equivalent experience and demonstrated ability or promise of obtaining grant support. Outstanding candidates from all areas of chemistry and biochemistry will be considered. Rank and salary will depend on qualifications and experience. Send a curriculum vitae, detailed statements of research plans and teaching interests, and the names of three references to **Professor Norman L. Goldman, Chairman, Department of Chemistry, Queens College of The City University of New York, Flushing, New York 11367.** *An Equal Opportunity Employer.*

GEOCHEMIST/GEOCHRONOLOGIST

The Geology Department of Brooklyn College, City University of New York, has an opening for an individual whose primary research responsibility will be potassium-argon geochronology and who has a strong commitment to undergraduate teaching. Research equipment includes an M.S. 10 mass spectrometer for gas work and a solid source mass spectrometer. Position is as Assistant Professor and a Ph.D. is required. Send curriculum vitae promptly to **Chairman, Department of Geology, Brooklyn College, Brooklyn, N.Y. 11210.** *Brooklyn College is an Affirmative Action/Equal Opportunity Employer.*

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POSITIONS OPEN

FACULTY POSITION IN TOXICOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY

The need to understand the implications of human exposure to environmental chemicals is the central focus of an interdisciplinary program in toxicology within the Department of Nutrition and Food Science. Research programs aim at identifying environmental chemicals hazardous as toxicants, carcinogens or mutagens, and elucidating the biochemistry of metabolism and subcellular interactions leading to adverse responses in cell culture and animal models. Examples of current programs include broadly based studies on mycotoxins and N-nitroso compounds, in which emphasis is placed on applying information gained from basic research to the immediate problems of evaluating potential health hazards.

In order to intensify efforts in this area, an additional faculty appointment as Assistant or Associate Professor of Toxicology will be available in July or September 1975. Applications are solicited from individuals capable of implementing independent research efforts complementary to existing research programs. Areas of research interest to be developed are therefore broadly defined and applicants with experience in fields such as biochemical pharmacology, cell biology, and physiology will be considered along with those from individuals with experience more specifically related to toxicology.

Curriculum vitae together with representative publications may be submitted to:

Dr. G. N. Wogan, Chairman
Toxicology Search Committee
Room 56-217
Massachusetts Institute of Technology
Cambridge, Mass. 02139
An Equal Opportunity Employer

FACULTY POSITION AVAILABLE

Large northeastern urban university seeks Biologist-Zoologist, Assistant Professor, with special interest in Physiology, preferably Marine, Cellular, or Invertebrate, to assist in teaching general courses and to guide graduate student research. *Affirmative Action/Equal Opportunity Employer.* Send curriculum vitae, a brief description of experience, and current interests in teaching and research and the names of at least three persons who could supply references to: **Box 193, SCIENCE.**

HEALTH PHYSICIST RADIATION SAFETY OFFICER

To head Radiation Safety Department at medical/dental/graduate school, research center, hospital and clinics. Principally service work, some teaching and responsibility with possible faculty appointment. Duties include administering and RSO function for human use and broad research licenses and safety work with x-ray machines. Ph.D. in health physics or related field and at least 4 years of relevant experience in health physics, preferably on a campus. *We welcome women and minority group applicants.* Reply to **Dr. Richard P. Spencer, c/o Mr. Daniel J. Strom, Radiation Safety Office, University of Connecticut Health Center, Farmington, Conn. 06032. Telephone: 203-674-2250.**

HISTOLOGIST

A vacancy exists at the Faculty of Medicine, Memorial University of Newfoundland, for an **Histologist** in this nondepartmental medical school. The successful candidate will be responsible for establishing a course of study in histology for first-year medical students and will also be expected to teach in other parts of the curriculum. Applicants should have an active research interest and should preferably be able to interact with others in one of the following research areas: (i) membrane studies, (ii) microbial, molecular, or cytogenetics, (iii) immunology, (iv) growth, development, and their regulation, (v) neurosciences, (vi) cardiovascular studies.

Rank and salary commensurate with experience. Applications will be received together with a curriculum vitae and names of three referees by **Dr. J. S. Campbell, Chairman, Histology Search Committee, Memorial University of Newfoundland, St. John's, Newfoundland A1C 5S7, Canada.**

HARVARD UNIVERSITY DEPARTMENT OF BIOLOGY

A 1-year lectureship. Responsibility for organizing and teaching an introductory laboratory in comparative vertebrate anatomy and physiology. The summer term will be devoted to preparing for the fall-term laboratory. Salary \$10,600, starting date is 1 July 1975. Applications to **Chairman, 16 Divinity Ave., Cambridge, Mass. 02138. Harvard University is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

GEOPHYSICAL RESEARCH. Research staff position with responsibility for implementing a dual processor PDP-11 geophysical data acquisition, processing, and reduction system aboard an oceanographic research vessel. Involves modification of manufacture-supplied real-time operating systems, design and construction of a data acquisition system, and assistance in overall reduction of geophysical data.

Bachelor's in Engineering, Physics, or Mathematics plus 3 to 4 years of experience required. Prior assembly language programming experience on the PDP-11 an asset. Send résumé to: **Dr. A. B. Watts, Lamont-Doherty Geological Observatory (of Columbia University), Palisades, N.Y. 10964. An Equal Opportunity Employer, M/F.**

MEDICAL MICROBIOLOGIST. Assistant professor with interests in mechanisms or physiology of pathogenesis in bacteria, viruses, or fungi needed August 1975. Duties include undergraduate and graduate teaching as well as development of a strong research program. Postdoctoral experience necessary. Applications, curriculum vitae, and three letters of recommendation and available reprints should be sent before 2 May 1975 to **Dr. Edward A. Birge, Department of Botany and Microbiology, Arizona State University, Tempe, Arizona 85281. An Affirmative Action Employer.**

Memorial University of Newfoundland, Faculty of Medicine, has an opening for a specialist in **HUMAN NUTRITION, M.D. or Ph.D.** with interests and experience in teaching and research required. Rank and salary to be negotiated. Please send curriculum vitae and names and addresses of three referees to **Dr. Carl Pfeiffer, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada.**

DEPARTMENT OF GENETICS UNIVERSITY OF WASHINGTON, SEATTLE

We are seeking a mammalian geneticist at the rank of Assistant Professor, for appointment in 1975 or 1976. Qualifications include the ability to teach undergraduate genetics, to supervise graduate student training for the Ph.D., and to carry out a significant research program. Preference will be given to immunogenetics as the area of expertise, but other areas of mammalian genetics are not excluded from our consideration. Applicants should send a curriculum vitae and names of references to **Chairman, Department of Genetics, University of Washington, Seattle, Washington 98195. The University of Washington is an Equal Opportunity Employer with an Affirmative Action Policy.**

MEDICAL MICROBIOLOGIST. Associate or Full Professor, Coordinator for developing medical microbiology program, operated by the University of South Carolina Department of Biology for the new USC Medical School. Applicants must have Ph.D. and relevant experience. Salary negotiable, position available 1 July (must be filled by 1 September). Send applications by 1 May to **Dr. Gerald Cowley, Search Committee, Department of Biology, University of South Carolina, Columbia, S.C. 29208. An Equal Opportunity/Affirmative Action Employer.**

HEAD, DEPARTMENT OF PHARMACOLOGY

The University of Illinois College of Medicine invites applications and nominations for the position of Head, Department of Pharmacology, in the School of Basic Medical Sciences. The Department is presently constituted of 15 faculty with research programs. Faculty participate in the curricula of both the College of Medicine and the College of Dentistry.

Applicants should possess a distinguished record in both research and teaching. Administrative experience is desirable.

Send curriculum vitae to **Dr. W. Ann Reynolds, Chairman, Search Committee, Department of Anatomy, University of Illinois College of Medicine, 1853 West Polk Street, Chicago, Illinois 60612. The University of Illinois is an Affirmative Action Employer.**

Ph.D. to work in tissue culture research laboratories involved in chemical carcinogenesis, virology, chemotherapy and cell culture techniques. Ohio. Salary commensurate with experience. Reply to

Box 191, SCIENCE

POSITIONS OPEN

CHAIRMAN—DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS

The University of Oklahoma Health Sciences Center is seeking a Professor and Chairman for its Department of Physiology and Biophysics. The candidate should have the Ph.D. degree in Physiology and/or a professional degree. An individual with a distinguished record of achievement in research and teaching and evidence of administrative ability or potential is sought. Applications or nominations with accompanying curriculum vitae, bibliography, and references should be sent to: **Dr. Joanne I. Moore, Chairman, Search Committee, Department of Pharmacology, University of Oklahoma Health Sciences Center, P.O. Box 26901, Oklahoma City, Oklahoma 73190. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer.**

QUEEN'S UNIVERSITY KINGSTON, ONTARIO, CANADA DEPARTMENT OF PHYSIOLOGY

NEUROPHYSIOLOGIST applications are invited from mammalian physiologists with the Ph.D. and/or the M.D. degree for appointment to a faculty position as Assistant Professor. Applicants should have an interest in sensory/motor physiology, proven research ability, and teaching experience at undergraduate and graduate levels. Applications to **Dr. V. C. Abrahams, Chairman, Selection Committee, Department of Physiology, Queen's University, Kingston, Ontario, Canada K7L 3N6, should include curriculum vitae and names of three referees.**

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FOR THE HEALTH INDUSTRIES*

SOCIAL SCIENTIST

The Drug Law Evaluation Project is seeking a senior staff member to guide the technical aspects of its analysis of New York State's recently revised drug laws. Applicants should be experienced in the development and use of research methodologies for large-scale research efforts. The position carries a salary, depending on qualifications, of up to \$24,000, and is immediately available. Please send résumé to **Anthony F. Japha, Director, Drug Law Evaluation Project, Association of the Bar of the City of New York, 42 West 44 St., New York 10036.**

STAFF PHYSICIAN

The Public Health Service, National Institutes of Arthritis, Metabolism, and Digestive Diseases, Bethesda, Maryland, invites applications for the position of Staff Physician or Staff Associate (M.D.) in the PHS Commissioned Corps, for duty in Phoenix, Arizona, beginning July 1, 1975. Duties will include participation in clinical studies at the NIAMDD clinic and at Division of Indian Health and Phoenix, Arizona, civilian hospitals involving the examination of Indian and civilian populations and the collection, analysis, and evaluation of data on the epidemiology, genetics, environmental factors and complications of diabetes, arthritis and gallbladder disease among American Indians and similar related populations in the Southwest.

Forward resume no later than May 30, 1975 to:

Mr. June Ardizzone
Personnel Officer, NIAMDD
Bldg. 31, Room 9A34
National Institute of Arthritis,
Metabolism, and Digestive Diseases
**NATIONAL INSTITUTES
OF HEALTH**
Public Health Service
Bethesda, Maryland 20014
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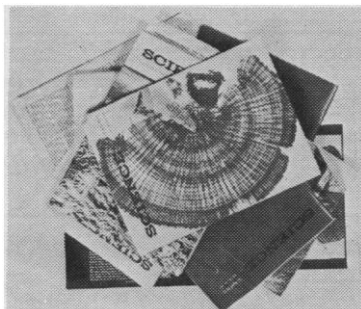
DIRECTOR BIOTECHNOLOGY RESOURCES PROGRAM

The Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, invites applications for the position of Health Scientist Administrator (Biomedical Sciences), GS-601-15, with salary range up to \$36,000 per annum, depending on experience. Duties will include giving day-to-day direction and scientific guidance in the program planning, development, and evaluation aspects of the Biotechnology Resources Program. This program provides biomedical scientists access to highly specialized instruments, methodologies, and staff expert in their use, and permits maximum exploitation of new, advanced technologies. It establishes interplay between biology and medicine, physical sciences, mathematics, and engineering by emphasizing the use of digital computation, mass spectrometry, nuclear magnetic resonance spectrometry, and high voltage electron microscopy.

Applicant must be a Ph.D. (or equivalent doctoral degree) in one of the biomedical research areas and have significant knowledge and familiarity with the current state-of-the-art of computer technology to qualify.

Applicants should submit resume or Federal Application Form (SF-171) with reference no later than May 9, 1975, to:

Mrs. Pathenia A. Wiggins
Personnel Management Specialist
NATIONAL INSTITUTES OF HEALTH
Division of Research Resources
PUBLIC HEALTH SERVICES
Building #31, Room 5B06, Bethesda, Maryland 20014
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POSITIONS OPEN

MICROBIOLOGIST: Acting Assistant Professorship for the period of 1 year beginning 1 September 1975. Expertise in either bacterial metabolism-physiology and/or mycology is preferred, but experience in other lines pertinent to a Department of Medical Microbiology may also be acceptable. The candidate will be expected to participate in teaching of undergraduate, graduate and medical students in two quarters of the year. *Applications from women and/or minorities are welcome. Stanford University is an Equal Opportunity through Affirmative Action Employer.* Send curriculum vitae and references to: **Chairman, Department of Medical Microbiology, Stanford University School of Medicine, Stanford, Calif. 94305.**

PHYTOPATHOLOGISTS

The Department of Plant Pathology, University of California, Davis, invites applications for two positions at the level of Assistant Professor and Assistant Plant Pathologist in the Agricultural Experiment Station beginning 1 July 1975, in the following areas:

1) **EPIDEMIOLOGY-PEST MANAGEMENT.** Teaching: general undergraduate plant pathology instruction; graduate plant disease control course; advise graduate student research. **Research:** Epidemiology of plant diseases emphasizing pest management, mission-oriented, cooperative research on grape diseases. **Qualifications:** Ph.D. degree in plant pathology, ability to work with specialists on development of mathematical modeling and disease forecasting programs.

2) **PATHOLOGY OF AGRONOMIC CROPS AND GENETICS OF HOST-PARASITE INTERACTION:** Teaching: undergraduate general plant pathology course; graduate courses on the genetics of host-parasite interaction and disease resistance; advise graduate student research. **Research:** Etiology and epidemiology of diseases of agronomic crops; population and/or molecular genetics of host-parasite interactions; cooperative research with plant geneticists developing disease resistant varieties. **Qualifications:** Ph.D. degree in plant pathology with a strong background in genetics; an applicant with a Ph.D. in genetics and a strong background in plant pathology may be considered.

Applications will be accepted until 30 April 1975. Late applications will be considered only if no qualified candidate has applied before that date. Applicants should send their curriculum vitae, copies of transcripts, and three letters of reference to:

Position 1: Professor R. N. Campbell
(916 752-0314)
Position 2: Professor R. K. Webster
(916 752-0316)

Chairman of the Search Committee
Department of Plant Pathology
University of California
Davis, California 95616

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

POST DOCTORAL POSITION. Postdoctoral position available, summer or fall of 1975, for research on adenylate cyclase in corpora lutea or mechanism of action of cyclic AMP on steroidogenesis. Salary \$10,000 to \$11,000. Duration 1½ to 2 years. Applications with curriculum vitae, naming three references, should be sent to: **Dr. J. M. Marsh, Department of Biochemistry, University of Miami, School of Medicine, P.O. Box 520875, Biscayne Annex, Miami, Florida 33152. An Equal Opportunity Employer.**

POSTDOCTORAL POSITION. Immediate opening in a cellular and tumor immunology laboratory for a postdoctoral fellow with a background in membrane biology/biochemistry. Work involves characterization of membrane proteins of macrophages and studies on the recognition mechanisms involved in macrophage tumor cell interactions. Salary to \$10,500. Send curriculum vitae and references to: **Dr. Alan M. Kaplan, Department of Surgery, P.O. Box 756, Medical College of Virginia, Richmond, Virginia 23298.**

POSTDOCTORAL RESEARCH

Applications are invited for a position involving studies on immunological aspects of solid cancers. Some experience in cellular immunology required. Some biochemical background desirable. Excellent salary. Send curriculum vitae and names and addresses of three persons familiar with your work to

Box 168, SCIENCE

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POSITIONS OPEN

The International Laboratory for Research on Animal Diseases (ILRAD) has scientific, postdoctoral, and Visiting Scientist positions immediately available in immunology, parasitology, biochemistry, immunochemistry, pathology, cell culture, and electron microscopy. ILRAD is sponsored by a consortium of donor agencies and will have an international scientific staff conducting research on various aspects of trypanosomiasis and East Coast fever. Persons with training and experience in areas appropriate to research on trypanosomiasis and East Coast fever are invited to inquire at the address given below and should provide a current curriculum vitae which includes name, age, citizenship, education, chronology of professional experience, and list of publications. **Dr. James B. Henson, Director, ILRAD, P.O. Box 47543, Nairobi, Kenya.**

ENDOWED PROFESSORSHIP OF SURGICAL RESEARCH. The Department of Surgery invites applications of candidates for an endowed Chair, the David M. Hume Eminent Professor of Surgical Research. The applicant should be a surgeon with a currently active research program. The position is unrestricted in terms of area of interest. Institutional requirements of Professorship include national recognition of the applicant in his field. Curriculum vitae and names of references should be sent to **Dr. H. H. Newsome, Jr., Chairman, Search Committee, Department of Surgery, Medical College of Virginia, Richmond, Virginia 23298. Medical College of Virginia is an Equal Opportunity/Affirmative Action Employer.**

OPPORTUNITIES FOR PROVEN RESEARCH ENTREPRENEURS

The Engineering Experiment Station at Georgia Tech, a client-oriented applied research organization with a total staff of 500, is committed to building its programs in areas of economic and technical importance, for example, synthetic fuels, energy, transportation, electronic systems, materials, and resource utilization. Self-starting researchers with demonstrated ability to develop sponsored research programs in these or similar fields are encouraged to send résumés and brief descriptions of their interests and concepts for growth to: **Director, Engineering Experiment Station, Georgia Institute of Technology, Atlanta, Ga. 30332. Equal Opportunity Employer.** Applicants must be U.S. citizens.

RHEUMATOLOGY POSITIONS

Seeking individual for full-time academic appointment in rheumatology. Position also available for individual well-versed in clinical rheumatology for geographic full-time position, devoted primarily to patient care and teaching. Send inquiry and curriculum vitae to: **Dr. Gerald P. Rodnan, Chief, Division of Rheumatology & Clinical Immunology, Department of Medicine, 985 Scaife Hall, University of Pittsburgh, Pittsburgh, Pa. 15261.**

THE JOHNS HOPKINS UNIVERSITY. A faculty position in **THEORETICAL CHEMISTRY** is available beginning in the fall of 1975. Résumé and three letters of recommendation should be sent to **Chairman, Theoretical Chemistry Search Committee, Department of Chemistry, The Johns Hopkins University, Baltimore, Maryland 21218. The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.**

THEORETICAL POPULATION GENETICIST

The Department of Genetics, University of California, Davis, invites applications for a position of Assistant Professor of Genetics, available 1 July 1975. Applicants must have demonstrated independence and originality in accomplished research in theoretical population and/or ecological genetics, and must have a Ph.D. or equivalent degree. Applicants must be well qualified to teach genetics at both undergraduate and graduate levels.

Submit a letter of application with curriculum vitae, description of current research interests, lists of publications, and names of four potential referees to: **Dr. F. J. Ayala, Department of Genetics, University of California, Davis, California 95616.** Applications received after 15 June 1975 will be considered only if no well-qualified candidate has been found by that date.

The University of California is an Equal Opportunity/Affirmative Action Employer. Qualified women and members of minorities are urged to apply.

FELLOWSHIPS

PREDOCTORAL FELLOWSHIPS IN BIOCHEMISTRY

NIH sponsored fellowships are available for 1975-76. Broadly based training program with research on basic and human disease oriented problems. Chemistry or biology degree required. Inquiries to **Dr. Thomas E. Conover, Department of Biological Chemistry, Hahnemann Medical College, 230 North Broad St., Philadelphia, Pennsylvania 19102.**

HARVARD UNIVERSITY DEPARTMENT OF BIOLOGY

POSTDOCTORAL RESEARCH FELLOWSHIPS are available from time to time in this Department. Appointments are usually for 1 year and are sometimes renewable. Those interested should write to a member of the biology faculty in whose laboratory they would like to work or, for general information, to **Chairman, 16 Divinity Ave., Cambridge, Mass. 02138. Harvard University is an Equal Opportunity/Affirmative Action Employer.**

PREDOCTORAL FELLOWSHIPS: Limited number of Graduate Student Stipends (\$5000 per year) available for highly qualified students interested in an interdisciplinary Ph.D. program in molecular cell biology. Major areas of research by large (four) faculty include: animal virology (Compans *et al.*), bacterial and cell genetics (Curtiss *et al.*), cancer biology (Cancer Center staff), cell immunology and membrane pathology (Bennett *et al.*), cellular differentiation (Cooper *et al.*), connective tissue metabolism (Miller *et al.*), dental research (Institute of Dental Research staff), mucopolysaccharide metabolism (Roden *et al.*), perinatal infections-virology (Alford *et al.*), x-ray crystallography (Bugg *et al.*), and so forth. Contact: **Director of Graduate Studies, Department of Microbiology, University of Alabama-Birmingham Medical Center, Birmingham, Alabama 35294.**

PREDOCTORAL FELLOWSHIPS IN IMMUNOLOGY AND MICROBIOLOGY: A number of state graduate stipends (\$3960 per annum) are available for highly qualified applicants for study leading to the Ph.D. in immunology virology and microbiology. For information, write to **Dr. H. H. Fudenberg, Professor and Chairman, Department of Basic and Clinical Immunology and Microbiology, Medical University of South Carolina, Charleston, S.C. 29401. An Equal Opportunity Employer.**

POSTDOCTORAL FELLOWSHIP for lipid biochemist interested in the structure and metabolism of phospholipids in the central nervous system. **University of Minnesota, The Hormel Institute, Austin, Minnesota 55912. An Equal Opportunity/Affirmative Action Employer.**

COURSES

SANTA CATALINA MARINE BIOLOGICAL LABORATORY

We are pleased to announce our 1975 Summer Program of marine biology courses at Santa Catalina Island:

Life in the Oceans (undergraduate), Fauchald *et al.*, Instructors—9 June-5 July.

Physiological Ecology of Marine Animals (graduate), Farmanfarman and Pearce, Instructors—9 June-12 July.

Neurosciences Program (graduate), Siger and Wachtel, Instructors—14 July-16 August.

Marine Plankton Ecology (graduate), Raymont, Instructor—14 July-16 August.

Research opportunities are also available. For further information write **Russel L. Zimmer, Santa Catalina Marine Biological Laboratory, Box 398, Avalon, Calif. 90704, or phone 213-746-6793.**

SUMMER ENVIRONMENTAL LAND-USE PLANNING INSTITUTE

8 July-5 August 1975

This Institute to be held at the Sea Pines Plantation at Hilton Head Island, South Carolina, will focus on the ecological, economic, legal, and aesthetic aspects of land-use planning.

The Institute will be cosponsored by the Environmental Planning/Research Institute, North Carolina State University (School of Design) and the Sea Pines Company. It is intended primarily for advanced undergraduates, graduates, and professionals.

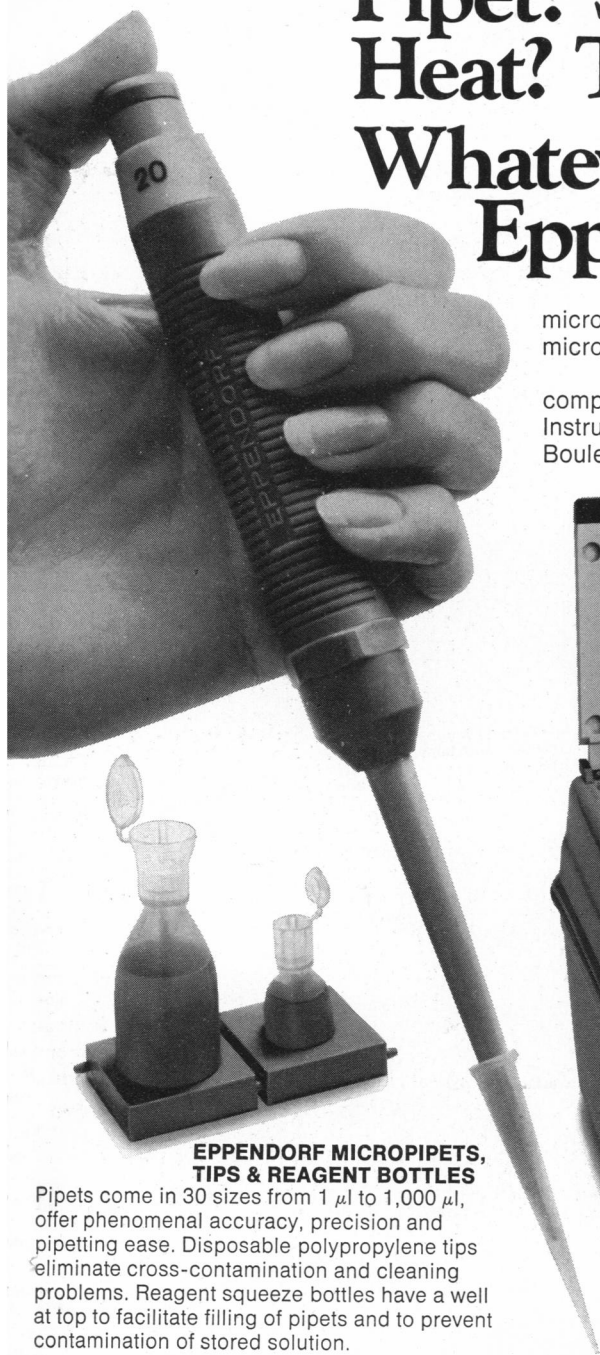
For more information, write or telephone: **Dr. Erik Rifkin, Director, Environmental Planning/Research Institute, 100 North Pineapple Avenue, Sarasota, Florida 33577. Telephone: 813-955-6218.**

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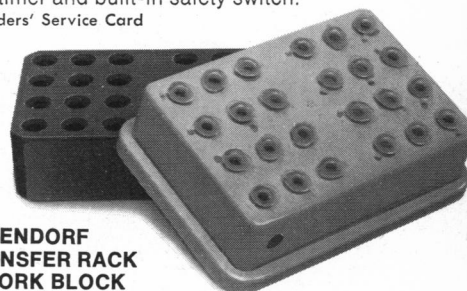
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