

Personnel Placement

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POSITIONS WANTED: 40¢ per word, plus \$4 for use of box number, per insertion. \$10 minimum, per insertion. Prepayment required. This rate is available only to individuals seeking jobs.

DISPLAY (POSITIONS OPEN, COURSES, FELLOWSHIPS, MARKET PLACE, and so forth): \$6.40 per millimeter; \$160 minimum, per insertion (minimum charge covers 25 millimeters on a single column; 25 millimeters equals 10 lines of 50 spaces per line). No charge for use of box number. No agency commission for ads less than 103 millimeters (4 inches). No cash discount. Prepayment required for all foreign ads. Purchase orders and billing information required for all other advertising.

Send copy for all **Positions Wanted** ads and **Display** ads less than 1/6 page in size (125 millimeters) to:

SCIENCE, Room 207
1515 Massachusetts Ave., NW
Washington, D.C. 20005
Telephone: 202-467-4456

Send copy for **Display** ads 1/6 page and larger to:

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

Blind ad replies should be addressed as follows:

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

POSITIONS WANTED

CNS Pharmacologist, Ph.D. Highly motivated and productive and interested in movement disorders, narcotics, hallucinogens, neuroleptics, and central stimulants; wants a senior research position. Will test own hypothesis on the involvement of a new neurotoxic substance in the etiology of behavioral and/or movement disorders. Will also work in the other fields of interest. Box 215, SCIENCE.

8/31; 9/14

Entomologist/Biologist: Ph.D. 1963; 20 years of university teaching/research; 40 publications. Postdoctoral research associate, Berkeley campus (1967-1968). Fields of expertise: entomology (morphology, taxonomy, and applied), invertebrate zoology, comparative anatomy, evolution and zoogeography, embryology, and general biology. Extensive museum work experience. Desires teaching/research position. Available immediately. Box 245, SCIENCE. X

POSITIONS OPEN

ASSISTANT PROFESSOR, BIOLOGICAL SCIENCES UNIVERSITY OF PITTSBURGH

The Department of Biological Sciences invites applications from highly qualified individuals with a strong research commitment in one or more of the following areas: theoretical ecology, population genetics, evolutionary ecology, physiological ecology, aquatic ecology, and microbial ecology. Curriculum vitae, list of publications, names of at least three references, and a summary of research interests and plans should be sent to: **Chairman, Ecology/Population Genetics Search Committee, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, Pa. 15260.** Starting date: January 1980. Closing date for application: 30 October 1979. *The University of Pittsburgh, acting in the spirit and the letter of Affirmative Action regulations, actively encourages applications from women, minority members, and other individuals covered by the mandates of Title IX.*

POSITIONS OPEN

Position available in the academic research series, **DEPARTMENT OF ANESTHESIOLOGY**, University of California, San Diego. Ph.D. with at least 3 years of postdoctoral experience in the biological sciences is required, with background experience in computer programming and pulmonary gas exchange analysis preferred. Salary range: \$17,500 to \$19,200 dependent upon experience. Please send letter, curriculum vitae, and names of three references to: **Ronald Dueck, M.D., Anesthesia Research, VA Medical Center, 3350 La Jolla Village Drive, San Diego, Calif. 92161.** *The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer.*

UNIVERSITY OF GUELPH Department of Animal and Poultry Science ANIMAL BREEDER

Ph.D. in animal breeding with background in statistical genetics. Experienced in data analyses methodology and interested in working with animal industry breeding developments. Responsible for developing a research program and teaching undergraduate and graduate students. Appointment at assistant professor level on a contractually limited basis. Position subject to final budgetary approval. Applications accepted to 30 September 1979 or until position filled. Direct replies to: **W. D. Morrison, Professor and Chairman, Department of Animal and Poultry Science, Ontario Agricultural College, University of Guelph, Guelph, Ontario, Canada N1G 2W1.**

AQUATIC MICROBIOLOGIST

The Chesapeake Biological Laboratory of the University of Maryland Center for Environmental and Estuarine Studies will fill a tenure-track faculty position in one of two areas: (i) viruses in estuarine/marine systems or (ii) estuarine/marine microbial ecology, particularly heterotrophic processes. We are seeking a full professor, but will consider applicants at the associate professor level and assistant professors with well-established research programs. The successful candidate will provide evidence of a strong research program and will be eager to participate in graduate education. A letter of application, curriculum vitae, and names of four references should be sent no later than 30 September 1979 to: **Chairman, Search Committee, Chesapeake Biological Laboratory, Solomons, Maryland 20688.**

ASSISTANT PROFESSOR OF BIOCHEMISTRY. Southern Illinois University School of Medicine at Carbondale has an opening for an assistant professor of biochemistry starting summer 1980. Outstanding individuals with postdoctoral experience and potential of developing strong research programs in significant problems of contemporary biochemistry, whose research interests complement those of the existing faculty, and who have the ability to teach at all levels (undergraduate, medical, and graduate students) will be considered. Candidate selected will be cross-appointed with the Department of Chemistry and Biochemistry. Send curriculum vitae, names of three references, and a description of research interests to: **Office of the Associate Dean, Biochemistry Search Committee, School of Medicine, Southern Illinois University at Carbondale, Carbondale, Illinois 62901.** Applications must be postmarked by 15 November 1979. *Southern Illinois University is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF PATHOLOGY

The candidate should be an academically trained pathologist. Must be Board-certified in anatomic pathology and have had experience in research and in teaching medical students and residents. Experience in diagnostic electron microscopy or other specialized field is highly desired. Please reply to:

**Chairman, Pathology Department
Temple University School of Medicine
3400 North Broad Street
Philadelphia, Pa. 19140**

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ASSOCIATE PROFESSOR/PROFESSOR OF ANATOMY

Must have a good research record and an ongoing research program. Experience in teaching neuroanatomy required. Send curriculum vitae to: **Dr. R. G. Hibbs, Department of Anatomy, Louisiana State University School of Medicine, P.O. Box 33932, Shreveport, La. 71130.**

An Equal Opportunity Employer

POSITIONS OPEN

CORNELL UNIVERSITY, Department of Chemistry, seeks an **ASSISTANT PROFESSOR OF BIOPHYSICAL CHEMISTRY**. Candidates should be able to develop strong programs in both research and teaching (biophysical and physical chemistry). Postdoctoral experience highly desirable. Interested candidates should supply curriculum vitae, a brief summary of pre- and postdoctoral research, and a résumé of plans for a future research program. Three letters of recommendation and a graduate transcript are also required.

All material should be sent to: **Professor B. Widom, Baker Laboratory of Chemistry, Cornell University, Ithaca, N.Y. 14853** by 1 November 1979. *Cornell University is an Affirmative Action/Equal Opportunity Employer.*

TWO ASSISTANT PROFESSORSHIPS IN CHEMISTRY

The Chemistry Department of the Johns Hopkins University plans to fill several faculty positions over the next few years, and presently we seek two assistant professors whose research interests lie either at the interface of chemistry with physics or at the interface of chemistry with biology. Some examples include experimental chemical physics, solid-state, biophysical, and bio-organic chemistry. One of these appointments is for the 1980-1981 academic year and the second for the following year. Applicants should (i) send curriculum vitae and a statement of research plans and (ii) arrange for three letters of recommendation to be sent to: **Professor H. J. Silverstone, Chairman, Search Committee, Department of Chemistry, The Johns Hopkins University, Baltimore, Maryland 21218.**

The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

It is anticipated that an **ASSISTANT RESEARCH ENGINEER** position in the Institute for Pure and Applied Physical Sciences (IPAPS) will become available in October 1979. Applicants should have substantial experience in the fields of laser physics, gas dynamics, quantum electronics, discharge physics, and rare gas-halide excimer laser system. The applicant must also have hands-on experience with analog and digital electronics, high vacuum ($< 10^{-7}$ torr) systems, and must also be very knowledgeable in the field of high voltage ($> 2 \times 10^5$ volts) pulse technology (that is, ceramic thyristors, spark gaps, Blumlein transmission lines, Marx banks, saturable reactors, and so forth). Education: Ph.D. in physics or engineering. Salary range: \$19,700 to \$25,900. Send inquiries to: **Barbara E. Stewart, B-029, University of California, San Diego/IPAPS, La Jolla, Calif. 92093.** Only candidates with the above qualifications need apply. No replies will be accepted after 20 September 1979. *The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer.*

BIOCHEMIST with experience in handling and separation of membrane associated components. Familiarity with immunological techniques is desirable. Will work with researchers interested in genitourinary tumors and with individuals within the Immunobiology Research Center. Reply to: **Dr. Paul Lange, Department of Urology, Box 394, or Dr. Fritz Bach, Department of Laboratory Medicine and Pathology, Box 198, University of Minnesota Medical Center, Minneapolis, Minn. 55455.**

BIOPHYSICS-BIOCHEMISTRY POSTDOCTORAL POSITION available winter 1979. Studies on photosynthetic electron transport and energy coupling in plants and algae. Pathways and mechanisms of electron and proton transfer in chloroplasts and reconstituted artificial membranes. Experimental approaches include kinetic spectrophotometry, fluorescence polarization-lifetime, EPR, and DSC. Send curriculum vitae and names of three references to: **W. A. Cramer, Department of Biological Sciences, Purdue University, West Lafayette, Indiana 47907.** *An Affirmative Action/Equal Opportunity Employer.*

CELLULAR IMMUNOLOGIST. Tenure-track position, assistant professor level, starting January or September 1980. Teaching duties: undergraduate laboratory course in microbiology annually and graduate course in cellular immunology in alternate years. Expected to develop independent research program and supervise graduate students. Send curriculum vitae, statement of research plans, and names of four references to: **Dr. Peter Abramoff, Biology Department, Marquette University, Milwaukee, Wis. 53233.**

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