

Personnel Placement

Only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin should submit Personnel Placement advertising.

POSITIONS WANTED: 40¢ per word; use of Box Number counts as 10 additional words. Minimum charge \$10. Prepayment required. This rate applies to individuals only; personnel agencies and companies take display rate for all advertising.

DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH): \$110 per inch, minimum (1 inch is equivalent to 12 lines of 48 characters each). Ads over 1 inch billed to nearest quarter inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information must accompany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3 1/2 weeks before issue date (Friday of each week) requested. Send copy for all positions wanted ads and display ads under 5 inches to:

SCIENCE, Room 207
1515 Massachusetts Ave., NW
Washington, D.C. 20005

Send copy for display ads, 1/6 page and larger, to:

Scherago Associates, Inc.
11 West 42nd Street
New York, N.Y. 10036

BLIND AD replies should be addressed as follows:

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

POSITIONS WANTED

Biochemist. Ph.D. Nine years of experience in neurochemistry purification and characterization of enzymes and proteins in developing nervous system and axoplasmic transport system. Seeks academic research position. Box 56, SCIENCE. X

Biochemist. Ph.D. 1974. Teaching, research, and clinical experience. Research interests: metabolism and peptide isolation-purification. Desire teaching and research position. Prefer Southwest. E. R. Hall, Route 1, Box 98F, St. Augustine, Fla. 32084.

Biochemist. Ph.D. 1972. Research interests in blood cell chemistry, particularly in the effect of steroid hormones on lymphocyte nucleotide metabolism. Experienced in cell separation, protein purification, and enzymology. Formal teaching experience at both college and medical school levels. Seeks a research and teaching position where interdisciplinary cooperation is encouraged. Box 49, SCIENCE. X

Biologist/Programmer. Marine ecology. Ph.D. expected 1975. Strong practical background in application of small computer systems. Seeks job developing direct data acquisition system for biological or medical research group. D. P. B. Smith, Birge Hall, University of Wisconsin, Madison, Wisconsin 53705.

Bioorganic Chemist (Ph.D. 1973), postdoctoral experience, seeks permanent medical research position. Nucleoside, nucleotide, peptide chemistry experience. D. Yamamoto, Chemistry Department, University of Arizona, Tucson, Arizona 85721. X

Geneticist/Neurophysiologist. Ph.D. *Drosophila* neurogeneticist with intensive training in insect electrophysiology. Five years of postdoctoral experience. Publications. Desire research and/or teaching position. Box 50, SCIENCE. X

Limnologist-Pollution Ecologist/Educational Administration-Public Relations-Teaching. Husband/wife team. Degrees: Ph.D./M.A. in Communications Arts, Education Specialization in Administration. Research and teaching experience with publications. He seeks teaching and research; she educational administration, public relations, or teaching positions in United States/Canada. Box 51, SCIENCE. X

Zoologist. Ph.D. Seeks teaching or teaching-research position. Interests include invertebrate zoology, invertebrate physiology, parasitology. Box 54, SCIENCE.

2/14, 21, 28; 3/7, 14, 21, 28; 4/4, 11

POSITIONS WANTED

Wanted: undergraduate-oriented biology department where broadly trained **Geneticist** (Ph.D. 1965) can contribute to innovative program. Experience in curriculum development; A.T., modular, and interdisciplinary teaching. Postdoctoral (human genetics). Sixteen years of professional experience (11 full-time university). Available September. Box 21, SCIENCE. X

Experienced research **Micropaleontologist** (Ph.D.) seeks position in New Jersey area. Background includes oceanography, geology, and marine biology. Résumé (including publications list) sent upon request. All replies strictly confidential. 253 Sherwood Avenue, Trenton (Mercerville), N.J. 08609. X

Nutritional Biochemist. Ph.D. 1973. Lipids, vitamins, atherosclerosis, and clinical nutrition. Postdoctoral training: alcohol toxicology, experimental liver pathology, immunology, Malloy-hyalin protein characterization, electron microscopy. Desires research position. Available April 1975. Box 52, SCIENCE. X

Physiologist. Ph.D. 4 years of experience on medical school faculty. Research interests are in the areas of mechanism of platelet aggregation and platelet storage phenomena. Seeks research or research teaching position. Box 53, SCIENCE. X

Plant Physiologist/Biochemist. Ph.D. Agricultural scientist, strong basic and applied background includes 6 years of research/teaching and 6 years of agricultural management. Plant growth regulation, mineral nutrition, and protein research. Innovative and well read. Interested in challenging career domestically or abroad. Box 47, SCIENCE. X

POSITIONS OPEN

UNIVERSITY OF ILLINOIS COLLEGE OF MEDICINE SCHOOL OF BASIC MEDICAL SCIENCES AT URBANA-CHAMPAIGN

Position Opening Assistant Professor

MICROSCOPIC ANATOMIST: To participate in curriculum development and supervision of medical students learning in a self-paced, guided study program; major responsibilities in conducting seminars and/or tutorial sessions; will hold joint appointment in one department of School of Life Sciences, University of Illinois, Urbana-Champaign campus.

SALARY: Open. Ph.D. and/or M.D. with capacity for original research as evidenced by publications of high quality; preference given to candidates with postdoctoral experience in appropriate department.

APPOINTMENT EFFECTIVE: Open to negotiation.

Address correspondence to **Ray L. Wattersen, Chairman, Search Committee, 515 Morrill Hall, University of Illinois, Urbana, Illinois 61801.**

The University of Illinois is an AFFIRMATIVE ACTION-EQUAL OPPORTUNITY EMPLOYER and encourages applications from members of minority groups and women.

ASSISTANT PROFESSORS (two). Environmental Science Program; salaries open; 2-year term appointments; Ph.D.'s required. (i) **Resources/Environmental Economist**—specialist in evaluation of natural resources, cost/benefit analysis, recreation; with regional emphasis. (ii) **Systems Ecologist**—specialist in abiotic systems or environmental engineering and energy. Write with résumé to: **Dr. William Berberet, Director, Institute for Man and His Environment, Box 1000, State University of New York, Plattsburgh, New York 12901,** by 1 March 1975. *An Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR

The Department of Anesthesiology of the University of Wisconsin-Madison Medical School invites applications from qualified candidates for faculty positions at the Assistant Professor or, if appropriate, at a higher level. Interested applicants should send a curriculum vitae with a detailed description of clinical, teaching, and research interests. Correspondence should be addressed to: **Dr. S. Craighead Alexander, Professor and Chairman, Department of Anesthesiology, School of Medicine, University of Wisconsin-Madison, Madison, Wisconsin 53706.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT OR ASSOCIATE PROFESSORS

1) **Microbiologist, General Biologist.** Microbiology courses for major students and for nursing students. Also freshman biology for non-science students.

2) **Physiologist, Geneticist.** Courses in advanced physiology genetics, developmental biology, and histology.

Positions open 1 September 1975. Ph.D. required. Primarily teaching but research actively encouraged. Undergraduate research direction available. Send curriculum vitae, representative publications, and names of three references by 15 March to **Dr. Donald Procaecini, Chairman, Department of Biology, Emmanuel College, Boston, Mass. 02115.** *An Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR. Assistant professor with joint appointment in the Institute of Comparative Medicine and Veterinary Science and Department of Veterinary Pathology, College of Veterinary Medicine, Washington State University, Pullman, Wash., to interact with a research team investigating immunotherapy, lymphocyte function, metabolism and regulation in immunodeficiency disorders, as well as studying infectious disease processes. Qualifications include D.V.M. or M.D. degree with advanced in-depth training in pathology and immunopathology. Experience with animal experimentation and in vitro techniques of cell mediated and humoral immunity are requisite. In vitro techniques encompass lymphocyte transformation, lymphocyte cytotoxicity, and antibody purification and assay including radioimmunoassay techniques. Training and experience should include at least 3 years of research experience with evidence of productivity in the form of publications in refereed journals. Apply with résumé to **Dr. Travis McGuire, Institute of Comparative Medicine and Veterinary Science, Washington State University, Pullman, Wash. 99163.** *An Equal Opportunity Employer.*

ASSISTANT PROFESSOR OF ANATOMY

An anatomist Ph.D. and/or M.D. with predoctoral experience in an anatomical sciences training program and 2 to 3 years of postdoctoral experience in anatomical teaching and research. Must be interested in independent and/or collaborative research in the field of cardiac gross and histopathology at the light and EM level and should preferably have published in this field. Must be prepared to assist in teaching Gross Anatomy to medical and graduate students. Salary dependent on qualifications and experience. Apply to **Dr. W. K. Metcalf, Chairman, Department of Anatomy, University of Nebraska Medical Center, 42nd and Dewey Avenue, Omaha, Neb. 68105.** *UNMC is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF PHYSIOLOGY

The Department of Physiology-Anatomy, University of California, Berkeley, invites qualified individuals to apply for the position of Assistant Professor of Physiology. Teaching responsibilities will be in mammalian physiology, primarily at the advanced undergraduate and graduate school levels for our physiology and health sciences programs.

The particular research field is not specified but should be in some area of systemic function such as cardiovascular, pulmonary, renal, or gastrointestinal physiology. Candidates should be thoroughly involved in an ongoing active research project, be successful contributors to that area, and be prepared to develop a vigorous research program within the department.

Interested persons should write a letter explaining their qualifications and enclosing a current curriculum vitae and a list of three or more persons who could act as referees to: **Physiology Search Committee, Chairman, Department of Physiology-Anatomy, Berkeley, California 94720.** *The University of California is an Equal Opportunity Employer. Women and minorities are encouraged to apply.*

DEPARTMENT OF PHYSIOLOGICAL CHEMISTRY UNIVERSITY OF WISCONSIN

A faculty position at the level of Assistant Professor will be available on or after 1 July 1975 for a person with strong biochemical research as well as teaching interests. The department has teaching responsibilities for graduate and medical and other health science students. Applicants should have had postdoctoral research experience and should submit a curriculum vitae, a complete bibliography, names of three persons knowledgeable of the candidate's research or teaching ability, and a brief statement of future research interests. These materials should be received by the **Search Committee, 572 Medical Science Building, University of Wisconsin Medical School, Madison, Wis. 53706,** not later than 1 March 1975. *The University of Wisconsin School of Medicine is an Equal Opportunity Employer and applications from women and members of minority groups are encouraged.*

POSITIONS OPEN

ASSISTANT PROFESSOR IN BIOLOGY

Available Fall 1975. Sixteen-member department offers B.A., B.S., M.A. degrees in biology; B.S. in medical technology. Qualifications Ph.D., broad-based biology background; specific strengths in ecology-population biology or developmental biology-genetics desirable. Apply before 1 March to: **Chairman Department of Biology, State University of New York College at Geneseo, Geneseo, N.Y. 14454. Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR OF MEDICINE with training in clinical and investigative aspects of calcium metabolism. Ability in bedside teaching essential. Applications for this position from qualified individuals are requested. *Columbia University is an Equal Opportunity Employer* and women and minority group members are encouraged to apply. Send curriculum vitae and bibliography to **Charles A. Ragan, M.D., Department of Medicine, Columbia University College of Physicians and Surgeons, 630 West 168 Street, New York, N.Y. 10032.**

ASSOCIATE VICE PRESIDENT FOR EDUCATIONAL DEVELOPMENT AND RESEARCH UNIVERSITY OF IOWA

Responsible for general supervision of the Office of the Vice President, and liaison with Congress, federal agencies and major private foundations. Applications and nominations should be sent to: **D. C. Spriestersbach, Vice President for Educational Development and Research, Graduate College, University of Iowa, Iowa City, Iowa 52242. The University of Iowa is an Equal Opportunity Employer.**

FACULTY POSITION IN BIOCHEMISTRY

Assistant Professorship beginning September 1975. Position involves undergraduate and graduate teaching and development of an active research program, preferable in biochemical genetics, biophysics, or environmental biochemistry. Ph.D. required; postdoctoral experience desirable. Send résumé, brief description of proposed research, transcripts, and three letters of reference to **Dr. Robert E. Van Atta, Head, Department of Chemistry, Ball State University, Muncie, Ind. 47306. All credentials must be received prior to 1 March 1975. An Equal Opportunity/Affirmative Action Employer.**

DEPARTMENT OF BIOLOGY, UNIVERSITY OF CALIFORNIA RIVERSIDE, CALIFORNIA 92502

Applications are invited from all qualified individuals and especially women and minority candidates for four faculty positions (Assistant Professor) to begin 1 July 1975. Duties will include participation in the new Biomedical Sciences Program. This cooperative program of UC Riverside, UCLA School of Medicine and the San Bernardino County Medical Center consists of 5 years of primary studies in college subjects, the basic sciences and the introductory years in medical studies at UCR-SBMC and two final years of study for the M.D. degree at the UCLA School of Medicine. It is anticipated that faculty will develop an independent research program as well as participating in graduate training.

Population Biologist. Ph.D. or equivalent degree in ecology or population genetics or closely related disciplines. Duties: teaching introductory courses in population biology and a more advanced course such as population or systems.

Human and Medical Geneticist. Ph.D. or equivalent degree in human genetics or closely related disciplines. Postdoctoral and/or teaching and research experience should be in one of the following: somatic cell genetics, developmental genetics, immunogenetics, experimental cytology, genetics of gametes, cytochemistry, polygenic inheritance in man, cytogenetics, and behavioral genetics. Duties: teaching responsibility for a course in human genetics.

Mammalian Physiologist. Ph.D. degree or equivalent in mammalian physiology or closely related discipline. Duties: participation in a biology course for sophomores in the program as well as preclinical courses in physiology and/or pharmacology.

Development Biologist/Experimental Cytologist. Ph.D. degree or equivalent with teaching and research emphasis in one (or more) of the following: animal morphogenesis, cell organization and development, membrane structure and function. Duties to include instruction in courses according to qualifications and special interests. Applicants should submit curriculum vitae, three letters of recommendation, transcripts and résumé of teaching and research goals to **Dr. Irwin Sherman, Chairman, Department of Biology, The University of California is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

BIOLOGY

Evolutionary Biologist: Rank open. Qualifications: Established research reputation in evolutionary processes in populations and communities, ecological genetics or behavioral ecology. Duties involve graduate and undergraduate teaching (including comparative vertebrate zoology) and research. Salary negotiable depending upon qualifications. Curriculum vitae, reprints, and names of three referees should be sent to: **Dr. H. D. McCurdy, Head, Department of Biology, University of Windsor, Windsor, Ontario, Canada, on or before 1 May 1975.**

Postdoctoral Fellow or Research Associate: Microbiologist or biochemist with interest in polysaccharide chemistry, ultrastructure, or cell regulation mechanisms for research on prokaryotic developmental systems (*Myxobacteria* and blue greens). Salary \$8500 and possible teaching supplement. Curriculum vitae, reprints, and names of three referees should be sent to: **Dr. H. D. McCurdy, Head, Department of Biology, University of Windsor, Windsor, Ontario, Canada, on or before 1 May 1975.**

BIOLOGY INSTRUCTOR

To be responsible for the logistics and supervision of laboratory sections in general biology course. Two-year appointment with 1 year renewable. Master's degree expected. Send curriculum vitae and two names of reference to **A. D. Chiquoine, Department of Biology, Hamilton College, Clinton, New York 13323.**

An Equal Opportunity/Affirmative Action Employer

BIOPSYCHOLOGIST

Assistant Professor, beginning September 1975. We are particularly interested in candidates specializing in hormone-brain-behavior interrelationships, sensory (especially visual) neurophysiology, or central nervous system development and plasticity.

Applications from members of minority groups and women are most welcome. Send curriculum vitae and at least three letters of reference to: **Dr. Robert E. Johnson, Chairman, Biopsychology Search Committee, Department of Psychology, Cornell University, Ithaca, New York 14850. Cornell University is an Equal Opportunity Employer. M.F.**

CELLULAR BIOLOGIST/IMMUNOLOGIST

Position open for Ph.D. or D.Sc. in Department of Pathology and Clinical Pathology, 540-bed general hospital with active residency programs. Will direct section of Immunology and expand and implement RIA and immunofluorescent procedures, estrogen-binding studies in breast cancer, tumor-associated antigen studies, and laboratory support for clinical immunology. Should have strong interest in postgraduate physician teaching and application of research methods to clinical diagnostic problems. Competitive salary and benefits. Submit curriculum vitae to **David S. Johnson, M.D., Pathology Department, Good Samaritan Hospital & Medical Center, 1015 NW 22 Avenue, Portland, Oregon 97210. An Equal Opportunity Employer.**

CELLULAR IMMUNOLOGIST

Immediate opening for Ph.D. cellular immunologist to conduct and supervise research program on Role of Lymphocytes and Macrophages in Neoplastic and Autoimmune Disorders. Previous experience in immunofluorescence and tissue culture desirable. Send curriculum vitae, reprints, and names of three references to **Chief, Personnel Service (135A), Veterans Administration Hospital, 54th Street and 48th Avenue South Minneapolis, Minnesota 55417. An Equal Opportunity Employer.**

CHAIRPERSON. For fall 1975 for department of 20 faculty, approximately 65 graduate students, and 400 undergraduate majors with Ph.D. programs in experimental, social, and clinical. Good prospects for modest expansion in faculty size. Must have academic and administrative skills. Rank and salary open. Apply to **William L. Simmons, Chairperson Search Committee, Department of Psychology, State University of New York at Albany, 1400 Washington Avenue, Albany, New York 12222. SUNY Albany is an Affirmative Action/Equal Opportunity Employer.**

CHAIRMAN, PROGRAM IN HUMAN GENETICS

Experience in human cytogenetics and/or genetic counseling desirable. Opportunity to develop genetics program, including teaching, research, graduate training, and patient care in a major medical center. Send curriculum vitae to: **Daniel T. Watts, Dean, School of Basic Sciences, Box 175, MCV Station, Medical College of Virginia, Virginia Commonwealth University, Richmond, Virginia 23298. Telephone 804-770-4033. An equal opportunity/affirmative action employer.**

POSITIONS OPEN

CHAIRPERSONS being sought for **PATHOLOGY, MICROBIOLOGY, BIOCHEMISTRY,** and **FAMILY MEDICINE** departments in East Carolina University School of Medicine, now expanding to degree-granting status. Send inquiries with curriculum vitae to: **Dean's Office, School of Medicine, P.O. Box 2701, East Carolina University, Greenville, N.C. 27834. An Equal Opportunity/Affirmative Action Employer.**

LOCK HAVEN STATE COLLEGE LOCK HAVEN, PENNSYLVANIA 17745

Lock Haven State College invites applications for the position of Dean of Arts and Sciences. Applicants should have an earned doctorate or equivalent experience. Effective date: on or about 1 July 1975. Closing date: 15 February 1975. Send application with detailed résumé to: **Dr. Robert C. Scherer, Lock Haven State College, Lock Haven, Pa. 17745.**

DIRECTOR, BIOMEDICAL COMPUTING TRAINING GRANT. Ohio State University, College of Medicine and Department of Computer and Information Science, is seeking a Director for a NIH/NLM funded training grant. Director of this training program must hold a Ph.D. or M.D. degree and qualify for a faculty appointment in either the Department of Computer and Information Science or a department in the College of Medicine. Primarily teaching but many research opportunities are available. Send curriculum vitae and references to **Gregory Trzbiatowski, Ph.D., Assistant Dean for Medical and Graduate Education, Ohio State University College of Medicine, 2066 Graves Hall, 333 West 10th Ave., Columbus, Ohio 43210. Equal Opportunity Employer.**

DIRECTOR TARONGA ZOO SYDNEY, AUSTRALIA

The Zoological Parks Board of New South Wales invites applications for the position of Director of this world recognized zoo situated on the shores of Sydney Harbour.

As well as the long established Taronga Zoo, with aquarium, the new Western Plains Zoo situated at Dubbo in New South Wales is being developed as an open-range zoo. The zoos are used as an important teaching resource and new school facilities are being developed.

The man sought will have the opportunity of heading a major development programme for these zoos, and will control all operations through a staff in excess of 150 including scientific, technical, teaching, administrative and general personnel. Research activities will be encouraged.

The successful applicant will probably be at least 40 and will possess tertiary scientific qualifications and advanced management qualifications. A thorough knowledge of general business administration is essential and direct experience in the running of a zoo or other scientific institution would be highly regarded. Research experience in zoology or veterinary science would be a plus factor.

An attractive salary plus benefits are offered and in addition a fully serviced house is available.

Applications should include full details of qualifications and experience and include names of at least three referees. They will be dealt with in the strictest confidence by a firm of international management consultants and in the first instance should be addressed to:

"Director, C/-P.O. Box 393, MILSONS POINT NSW 2061 AUSTRALIA."