

# Personnel Placement

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**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.  
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## POSITIONS WANTED

**Analyst/Programmer.** Eight years of scientific and commercial experience. Proficiency in FORTRAN, ALGOL, COBOL, BASIC on large and small systems. Broad bioscience background, teaching experience. Seeks position as DP manager/programmer in small or medium-sized installation. Box 314, SCIENCE. X

**Biochemist, Ph.D. 1964.** Broad industrial and academic experience in pharmacokinetics, metabolism, radio-immunoassays, protein chemistry, supervisory, contracts, proposals, publications. Interested in responsible position in government or industry. Box 304, SCIENCE. 7/25; 8/1

**Biochemist, Ph.D.** Postdoctoral experience. Publications. Good background in analytical and organic. Protein chemistry, GLC, chromatographic separations. Seeks academic, research, or R & D position. Box 315, SCIENCE. X

**Entomologist-Electron Microscopist.** Recent Ph.D. Three years of experience supervising SEM lab. Experienced in teaching and field entomology. Desires postdoctoral, research, or teaching position in entomology or electron microscopy. Box 316, SCIENCE. X

**Immunochemist/Protein Chemist.** Ph.D. 1962. Expertise in coagulation, fibrinolysis, immunoglobulin structure. RIA, HAI, sequence analysis experience. Seeks position in university or medical center. Salary/location open. Box 317, SCIENCE. X

**Immuno/Organic Chemist, 1971.** Steroid and medicinal chemistry. Experience in synthesis, NMR, MS, GC, LC, and in development of drugs and protein radioimmunoassays; 2 1/2 years of postdoctoral experience in immunology. Industrial experience. Desires position in active laboratory with research/development opportunities. Box 318, SCIENCE. X

**Neurobiochemist:** Experienced Ph.D. (20 years). Neuronal biochemistry—release and uptake, turnover, metabolic alterations. Neuropharmacology—neuroleptics, antidepressants, anxiolytics, anticonvulsants, depressants, alcohol. Extensive knowledge modern theory, recent drug developments. Prefer pharmaceuticals research and development. Box 319, SCIENCE. 7/18, 25

## POSITIONS WANTED

**Unemployed Microbiologist.** Need work soon, must eat! Ph.D. 1970 from major midwest university; 5 years research and teaching experience; some industry work. Seven publications in good journals. Eligible for U.S. government positions at GS-12. 515-292-7487 evenings or write Box 294, SCIENCE. 8/1

**Microbiologist, Ph.D.** Research and development of human and veterinary pharmaceutical and biological products seeks R & D or teaching position. Extensive background in virology, cell culture, immunology, chemical screening, and clinical application. Desire to teach applied microbiology or continue in R & D. Many publications. Box 309, SCIENCE. X

**Nutritional Scientist, Ph.D., 1975.** Experience in biochemical, physiological techniques, protein isolation, electron microscopy, compartmental analysis. Undergraduate nutrition/community nutrition teaching experience. Prefer research-teaching position in experimental/human nutrition. Available August 1975. Box 320, SCIENCE. X

**Nutritionist, Ph.D.** Trained in metabolic biochemistry and physiology. Conducted research on amino acids, proteins, vitamins, and SCP development. Expertise in laboratory techniques including enzyme assays, radioactive tracing, and computer technology. Publications. Well recommended. Can communicate and work with others. Worked with most laboratory and domestic animals. Box 321, SCIENCE. X

**Pharmacologist, Ph.D.:** in computer industry (medical systems scientist, automation specialist). Experienced requirements analysis studies, automation instrument systems. Research, teaching background. Desires R & D management or bench employment involving scientific-engineering joint effort. Interest in artificial internal organ research. Box 298, SCIENCE. X

**Senior Electronic, Instrumentation Design Engineer.** Extensive experience in the design of analog, digital, hybrid instruments, and systems. Box 322, SCIENCE. X

**Statistician, Teacher, Writer, Clerk, Institutional Housekeeper, or Psychologist.** M.A. plus four internships including social casework, teaching, research, clinical psychology. Buxton, U.S.P.O. Box 42253, 7th and Mission, San Francisco, California 94142. X

**Tumor Immunologist** (associate professor) seeks position. Facilities and opportunities for clinical research essential. Box 311, SCIENCE. X

## POSITIONS OPEN

**ASSISTANT PROFESSOR,** Harvard School of Public Health, Microbiology Department, to begin 1 October. Immunochemist with 2 years of experience in detection and typing by immune chemical means of waterborne viruses pathogenic for man. *Minority and women applicants encouraged.* 665 Huntington Ave., Boston, Mass. 02115.

### ASSISTANT PROFESSOR DEPARTMENT OF PEDIATRICS

The University of Michigan is seeking a Board-qualified M.D. who has completed an additional 2 years of fellowship in pediatric endocrinology, including both research and clinical experience, with potential for continuing progress in this area. Applicant will participate in clinical, teaching, and research activities in the Section of Pediatric Endocrinology. Code #1400FO. Please send résumé to **Box 325, SCIENCE.**

*A Nondiscriminatory, Affirmative Action Employer*

### THE UNIVERSITY OF MICHIGAN DEPARTMENT OF INTERNAL MEDICINE

Is seeking an assistant or associate professor with established ability in teaching and patient care in the fields of internal medicine and cardiology. Research background or definite promise of investigative ability. Code #2900BO. Please send résumé to **Box 323, SCIENCE.**

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### INSTRUCTOR OF PSYCHOLOGY DEPARTMENT OF PEDIATRICS

The University of Michigan Medical School is seeking applicant with an educational specialist degree or a master's degree in psychology or education-psychology with an equivalent combination of education and experience. Clinical experience with children required. Duties include teaching, diagnostics, counseling, and research with emphasis on psychodiagnostics. Code #2000HO. Please send résumé to **Box 324, SCIENCE.**

*A Nondiscriminatory, Affirmative Action Employer*

## POSITIONS OPEN

### ANATOMIST

Position available September 1975. Teaching duties in gross anatomy to dental students. Active research program in functional, comparative morphology, or physical anthropology desirable. Competitive salary open. Submit curriculum vitae and names of three referees to **Dr. E. Lloyd Du Brul, Head, Department of Oral Anatomy, College of Dentistry, Professor of Anatomy, College of Medicine, University of Illinois at the Medical Center, 808 South Wood Street, Chicago, Illinois 60612. Telephone: 312-996-7544. The University of Illinois is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.**

### ASSISTANT PROFESSOR— ORNAMENTAL HORTICULTURE

Ten-month teaching and research. Ph.D. in horticulture or plant physiology with background in physiology and culture of woody ornamental plants. Closing date 7 August 1975. Curriculum vitae and three letters of recommendation to: **Dr. Dominic Durkin, Department of Horticulture and Forestry, Cook College, Rutgers University, P.O. Box 231, New Brunswick, New Jersey 08903.**

*Rutgers University is an Equal Opportunity Employer.*

### ASSISTANT PROFESSOR, PSYCHOLOGY

Two-year temporary position in experimental psychology for academic years of 1975-76 and 1976-77. Three-fourths to full-time appointment. Applied field of experimental psychology. Ph.D. required. Salary negotiable.

Undergraduate teaching in courses such as introductory psychology, human factors, industrial psychology; participation in graduate program, with possible graduate course in area of interest.

*Washington State University is an Equal Opportunity/Affirmative Action Employer. Minority and/or women applicants encouraged to identify themselves as such.*

Send application supported by curriculum vitae and three letters of recommendation addressed to **Dr. Mary J. Kientzle, Chairman, Search Committee, Department of Psychology, Washington State University, Pullman, Washington 99163.** Closing date: 28 July 1975.

Announcing the possibility of a temporary, 1-year appointment as **VISITING INSTRUCTOR** or **VISITING ASSISTANT PROFESSOR** in the Department of Biology, pending the approval of a grant application by 1 July. The individual is expected to teach undergraduate courses in genetics and microbiology and associated laboratories, a section of introductory biology, and a seminar. Inquiries and applications, including three letters of references, should be submitted by 10 July 1975 to **Chairman, Search Committee, Department of Biology, Kenyon College, Gambier, Ohio 43022.**

*Kenyon College is an Equal Opportunity Employer.*

**BIO-ANALYTICAL CHEMIST:** For a research appointment as part of an analytical chemistry program. Some teaching, in French, related to food analysis. Candidates with background in chromatography, instrumental and enzyme methods, and microscopy are sought. Apply to: **R. H. Marchessault, Department of Chemistry, Université de Montréal, C.P. 6210, Succ. A, Montréal, Québec, Canada, H3C 3V1.**

**CARDIOLOGY RESEARCH ASSOCIATE:** To study human cardiac conduction system, electrophysiology, and pharmacology. Send curriculum vitae to **Melvin Rubenfire, M.D., Chief, Section of Cardiovascular Diseases, Sinai Hospital of Detroit, Detroit, Michigan 48235.**

### COORDINATOR—EDUCATION, TRAINING, UNIVERSITY RELATIONS

Argonne National Laboratory has stimulating career opportunity for energetic, mature, people-oriented administrator with close links to the academic or scientific fields. Position responsible for recruiting and placing faculty/student appointees in temporary research assignments at national research center; planning of special courses and institutes; and promotion of innovative collaboration between academic community and the Laboratory.

Qualifications must include advanced degree in science or engineering, Ph.D. preferred, with 5 to 10 years experience in R & D, R & D administration, or university-level teaching. Knowledge of university operations desirable. Fully commensurate salary, attractive benefits. Please send résumé, including salary requirements, to: **Mr. R. A. Johns, Department 100K, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439. An Equal Opportunity Employer, m/f.**

## POSITIONS OPEN

# Drug Metabolism Research

## Ph.D. Biochemistry/Analytical Chemistry

The position involves the analyses of drugs in biological samples by GLC and HPLC. Up to 5 years of experience.

The Sterling-Winthrop Research Institute is the research division of Sterling Drug Inc., employing about 650 people engaged in a very active research program. The Institute is located near Albany, on a plateau overlooking the Hudson River Valley. Salary open. Travel and moving expenses paid. Excellent employee benefits.



Write qualifications to Mr. C. E. Alford, Director of Personnel

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### ASSOCIATE VICE CHANCELLOR FOR RESEARCH

Washington University in Saint Louis seeks candidates for the position of **Associate Vice Chancellor for Research**, a policy-level position with administrative responsibilities for a large volume of sponsored projects (total obligations for 1974-\$45 million). Qualifications are an advanced degree (preferably Ph.D.); experience as faculty member and research investigator; knowledge of grant and contract administration; knowledge of federal agencies' programs, policies, and regulations; management, interpersonal, leadership, communication, and analytical skills; service orientation. Responsibilities include research and sponsored-program policy-making, development of external support and relationships, administration of sponsored programs, human subjects review, and design and development of management information on external support and forecasting. Submit résumé and letters of application to **Dr. Estelle Brodman, Chairman, Search Committee for Associate Vice Chancellor for Research, Medical School Library, Washington University School of Medicine, 660 South Euclid Avenue, Saint Louis, Missouri 63130**. Closing date for applications is 12 September 1975.

*An Affirmative Action/Equal Opportunity Employer*

### NOTICE OF POSITION VACANCY for DEAN, COLLEGE OF AGRICULTURE AND LIFE SCIENCES VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY BLACKSBURG, VIRGINIA

Virginia Polytechnic Institute and State University welcomes applications from qualified persons for the position of Dean, College of Agriculture and Life Sciences.

The College of Agriculture and Life Sciences offers a modern science-oriented program in the areas of agricultural economics, agricultural engineering, agronomy, anaerobic microbiology, animal science, biochemistry, dairy science, entomology, food science and technology, fisheries and wildlife, forestry and forest products, horticulture, plant pathology and physiology, poultry science, and preveterinary medicine. The College considers of major importance each of the three typical missions of a land-grant institution—teaching, research, and extension (public service). The dean is responsible for the administration of all programs in the College.

Qualifications include an earned doctorate in an agriculture or life sciences discipline, experience with the land-grant missions, and suitable administrative experience. Applications and nominations may be sent to:

**Dr. Alfred H. Krebs**  
201 Burruss Hall  
Virginia Polytechnic Institute and State University  
Blacksburg, Virginia 24061

Applications should be received by 1 August 1975, but later applications may be considered if suitable applicants are not identified by that date. *VPI & SU is an Affirmative Action and Equal Opportunity Employer.*

## POSITIONS OPEN

## POSITIONS OPEN

### DIRECTOR— MASTER OF HEALTH SCIENCE PROGRAM

Applicants should have a Ph.D., expertise in supervising graduate students and teaching expertise in immunology and virology and possibly mycology. Salary and rank commensurate with experience. Send complete résumé to: **Dr. D. F. Gordon, Jr., Chairman, Search Committee, Department of Medical Laboratory Sciences, Quinnipiac College, Hamden, Connecticut 06518**. *An Equal Opportunity/Affirmative Action Employer.*

**EXPERIMENTAL ATOMIC PHYSICS**—Fusion-related research. Twelve-month postdoctoral position beginning 1 September 1975. Send résumé and three letters of reference to **Professor Patrick Richard, Department of Physics, Kansas State University, Manhattan, Kansas 66506**. *Equal Opportunity/Affirmative Action Employer.* Deadline for applications: 11 August 1975.

### FACULTY POSITION IN PHARMACOLOGY AND CLINICAL PHARMACOKINETICS

Duties include teaching pharmacology in undergraduate and/or graduate courses in the Department of Biochemical Pharmacology, directing a Clinical Pharmacokinetics Service-Teaching Laboratory in an affiliated hospital, and developing research program. Candidates should hold Ph.D. degree in pharmacology and have postdoctoral experience or training in applied pharmacokinetics.

Candidates should forward curriculum vitae and references to:

**Dean Michael A. Schwartz**  
School of Pharmacy  
State University of New York at Buffalo  
Buffalo, New York 14214

*SUNY at Buffalo is an Equal Opportunity/  
Affirmative Action Employer.*

### FACULTY POSITION OPEN

A position for **Director** of the Hospital Pharmacy has just opened up in an 850-bed medical school-teaching hospital. Experience as a director or assistant director of pharmacy in a teaching institution as well as a Pharm.D., master's, or Ph.D. is preferred. In addition, the applicant should have qualifications in teaching as well as research applicable to hospital pharmacy.

The salary is competitive and is dependent upon qualifications, as is the faculty position in the medical school. Responses should be directed to: **Stuart Levin, M.D., Chairman of the Pharmacy Search Committee, Director of Infectious Diseases, Rush Medical School, 1753 West Congress Parkway, Chicago, Illinois 60612**.

*Rush University is an Equal Opportunity/Affirmative Action Employer. We actively encourage application of members from minority groups and women.*

### University of California, Berkeley Assistant Professor of Entomology FOREST ENTOMOLOGY

Position available 1 July 1975. Teaching and research in forest entomology and forest pest management. Ph.D. required. Knowledge of insect and forest ecology and pest management practices essential. Preference given to candidates with some blend of biological, mathematical, and computer skills. Send curriculum vitae, all official transcripts, names and addresses of three references, and copies of any publications or manuscripts to: **Dr. Evert I. Schlinger, Chairman, Division of Entomology and Parasitology, University of California, Berkeley, California 94720**. *The University of California is an Equal Opportunity/Affirmative Action Employer.* Women and minority candidates are urged to apply.

### University of California, Berkeley Assistant Professor of Entomology URBAN PEST MANAGEMENT

Position available now. Teaching and research in pest management, with emphasis on integrated control of pests of plants in the urban environment. Expertise in management of arthropods affecting plants is required. Training or experience in quantitative ecology is essential. Ph.D. required. Send curriculum vitae, all official transcripts, names and addresses of three references, and copies of any publications or manuscripts to: **Dr. Evert I. Schlinger, Chairman, Division of Entomology and Parasitology, University of California, Berkeley, California 94720**. *The University of California is an Equal Opportunity/Affirmative Action Employer.* Women and minority candidates are urged to apply.

Applications are invited for a **CHAIRPERSON** of the Department of Physiology at **DUKE UNIVERSITY MEDICAL CENTER**.

The University is seeking candidates with a strong academic background and a broad understanding of teaching and research in Physiology. Candidates should also have administrative experience and a demonstrated interest in organizing and developing interdisciplinary teaching and research programs.

Applicants should submit a curriculum vitae, list of publications, and the names of three references to **Dr. Robert L. Hill, Chairman, Department of Biochemistry, Duke University Medical Center, Durham, North Carolina 27710**.

*Duke University is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.*

### OREGON STATE UNIVERSITY

Invites Nominations and Applications for  
**DEAN OF THE SCHOOL OF PHARMACY**

Nominations and applications should be addressed to **Dr. G. H. Constantine, Jr., Chairman, Dean Search Committee, School of Pharmacy, Oregon State University, Corvallis, Ore. 97331**. *An Equal Opportunity/Affirmative Action Employer.*

**THE DEEP SEA DRILLING PROJECT**, Scripps Institution of Oceanography, UCSD, is currently seeking to fill positions for qualified **earth scientists**. Several positions exist; two as managers of ongoing scientific programs and at least two as project staff scientists who will engage in project-related scientific research. Appointment anticipated in the assistant through associate professional research series; salary commensurate with experience. Ph.D. in earth sciences required for all positions. Please send completed résumé and names of at least three referees to **Dr. M. N. A. Peterson, Deep Sea Drilling Project, P.O. Box 1529, La Jolla, California 92037**.

*The University of California is an Equal Opportunity/Affirmative Action Employer; women and minorities are encouraged to apply.*

### THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE

invites applications and nominations for the position of **DIRECTOR** of the Department of Anesthesiology. Applicants must be capable of managing a large patient care service and maintaining active programs of research and teaching. Applicants will be considered without regard to age, national origin, race, religion, or sex. Résumés should be sent to: **Dr. Donlin Long, Chairman, Anesthesiology Search Committee, Department of Neurosurgery, The Johns Hopkins University, School of Medicine, 601 North Broadway, Baltimore, Maryland 21205**. *An Equal Opportunity/Affirmative Action Employer.*

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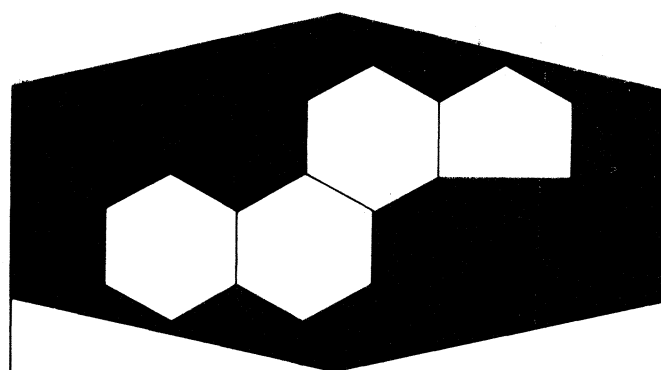
## AQUACULTURISTS

are required for FAO's expanding field programmes in developing countries, with specialization in one or more of the following fields: general aquaculture planning and development; fresh and brackishwater fish culture; shrimp, prawn, oyster and mussel farming; induced breeding of fish and shellfish; design and construction of aquaculture installations, including hatcheries; and formulation and preparation of fishfeeds, site surveys and projects.

Applicants should have a university degree or equivalent and a minimum of five years' experience in their field of specialization. A very good knowledge of English, French or Spanish is essential.

Length of assignment is normally two years, in most cases with possibility of extension. The starting salary plus allowances will depend upon the successful applicant's experience and qualifications.

Applications with a detailed **curriculum vitae**, quoting FID/AQ/S should be sent as soon as possible to Central Professional Recruitment, Personnel Division, FAO, via delle Terme di Caracalla, Rome 00100, Italy.



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## POSITIONS OPEN

Applications are invited for the position of **DIRECTOR** of the Cancer Research Laboratory on the campus of the University of British Columbia. This appointment will be made jointly by the National Cancer Institute of Canada and the University of British Columbia, and the applicant will be required to direct a cancer research programme based on laboratories already on the campus. Any individual interested in the possibility of such an appointment should forward a full curriculum vitae, together with the names of three external referees, by 30 September 1975 to the **Dean, Faculty of Medicine, University of British Columbia, Vancouver, British Columbia V6T 1W5, Canada**, from whom further particulars are available.

### FACULTY POSITION IN ORAL BIOLOGY

The School of Dentistry, University of Minnesota, invites applications for a faculty position in the Division of Oral Biology, beginning July 1975, or thereafter. The Division emphasizes a strong research program, plus interdisciplinary teaching of dental and graduate students. Research interests of present faculty include: mineralized tissues, salivary secretions, cystic fibrosis, and palatogenesis. Applicants should have proven research ability and appropriate teaching experience. Rank and salary are open. Send curriculum vitae, statement of current research interests, and names of persons from whom we may request references, to **Dr. Burton L. Shapiro, Chairman, Division of Oral Biology, School of Dentistry, University of Minnesota, Minneapolis, Minnesota 55455**. *The University of Minnesota is an Affirmative Action Employer.*

**HEAD, DEPARTMENT OF ANIMAL SCIENCE**, North Carolina State University. Ph.D. Applicant should have extensive experience in teaching, research and/or extension in one or more of the subject-matter areas of animal science and have evidence of successful administrative ability. Nominations and applications with résumés should be sent to **W. M. Roberts, Department of Food Science, North Carolina State University, Raleigh, North Carolina 27607**. *An Equal Opportunity/Affirmative Action Employer.*

### POSITION OPEN

**Instructor** in Department of Physics, Cornell University.

One-year appointment, possibly renewable.

Duties: to share supervision of introductory physics course, self-paced A-T format; typical registration: 600 students.

Salary: \$9,000 to \$11,000 for 9 months, depending on qualifications; summer supplementation available.

Qualifications: equivalent of B.S./M.S. in physics, plus training in science education.

Contact: **Mr. Ben Tipi, 121 Clark Hall, Ithaca, New York 14853**.

*An Equal Opportunity and Affirmative Action Employer*

### MOLECULAR BIOLOGIST

Emory University School of Medicine has available a faculty position for a mammalian virologist/molecular biologist. The successful candidate will have either the Ph.D. or M.D. degree, be capable of mounting a vigorous research program, and participate in the instruction of professional and graduate students. Rank and salary are open.

Submit curriculum vitae, bibliography, and three letters of recommendation to: **Dr. D. P. Groth, Chairman, Search Committee, Department of Biochemistry, Emory University, Atlanta, Ga. 30322**.

*An Equal Opportunity/Affirmative Action Employer*

**PHARMACOLOGISTS:** Faculty position open for candidates with strong research and teaching (medical school) background. Emphasis on cardiovascular pharmacology desirable, but other areas will be considered. Send résumé and names of two references to: **M. L. Dowd, Coordinator, Department of Pharmacology and Therapeutics, University of Florida College of Medicine, Gainesville, Florida 32610**. *An Equal Opportunity/Affirmative Action Employer.*

### PHYSICS POSITION

**Instructor/Assistant Professor** to teach undergraduate physics beginning September 1975. Course assignments include introductory physics with associated laboratories and upper-level laboratory courses. Qualifications: a Ph.D. is required for long-term employment. Write to: **Dr. Ray Pfrogner, Chairman, Physics Department, Juniata College, Huntingdon, Pa. 16652**. *An Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### UNIVERSITY OF ILLINOIS SCHOOL OF CLINICAL MEDICINE URBANA-CHAMPAIGN POSITION OPENING

**PATHOLOGIST:** Responsible for development of learning objectives in organ pathology and integration of those objectives into problem-oriented curriculum in new School of Clinical Medicine. Responsible for campus-based instruction and coordination of instruction in regional affiliated hospitals. Opportunity for research and scholarly inquiry.

**SALARY:** Open. Faculty appointment commensurate with experience.

**APPOINTMENT AVAILABLE:** 1 January 1976.

Address correspondence to: **Morton C. Creditor, M.D., Associate Dean, University of Illinois College of Medicine, Medical Sciences Building, Urbana, Illinois 61801**.

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

### PHARMACOLOGIST

The Department of Pharmacology of the Medical College of Virginia, Virginia Commonwealth University, is seeking a faculty person with a strong interest and training in endocrine pharmacology. The appointment would be at the level of assistant or associate professor, depending on the qualifications. Address inquiries including curriculum vitae and names of three references to: **Louis S. Harris, Chairman, Department of Pharmacology, Box 27, Medical College of Virginia, Virginia Commonwealth University, Richmond, Virginia 23298**. *An Equal Opportunity/Affirmative Action Employer*

### PHYSIOLOGICAL PSYCHOLOGIST VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Assistant professor. Beginning September 1975 or January 1976. Teaching and research in the area of physiological psychology. Ph.D. in psychology required. Preference for one whose research emphasis is on hormonal effects on behavior and/or regulatory mechanisms. Virginia Tech, located on a 2300-acre campus between the Blue Ridge and Allegheny mountains, has a current enrollment of 17,300. The Department of Psychology offers the Ph.D. in psychobiology, clinical psychology, applied behavioral science, and general psychology. Send curriculum vitae and names of references to: **Dr. Charles D. Noblin, Chairman, Department of Psychology, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061**. *Virginia Tech is an Affirmative Action/Equal Opportunity Employer.*

**PLANT GENETICIST.** Applications are invited for a faculty position for research and teaching in the genetics of plants in cell culture. Applicants are expected to have primary training in molecular genetics and experience in tissue culture of higher plants and to be interested in applying these skills to yield results applicable to crop improvement. Application may be made to: **Dr. Robert L. Plaisted, Department of Plant Breeding and Biometry, Cornell University, Ithaca, N.Y. 14853**. *An Equal Opportunity Employer*

### POSTDOCTORAL—GENETICS

Postdoctoral fellowships in human and medical genetics available to U.S. citizens or permanent residents with Ph.D. or M.D. degrees who plan academic careers in human/medical genetics. Available August 1975. Write to **Dr. W. Angus Muir, Division of Human Genetics, Department of Medicine, University Hospitals, 2065 Adelbert Road, Cleveland, Ohio 44106**.

**POSTDOCTORAL POSITION:** Immediate opening for research on the mode of action of antitumor agents involving nucleotide metabolism and enzymology. Send curriculum vitae and three letters of recommendation to: **Dr. Joseph G. Cory, Department of Biochemistry, University of South Florida, College of Medicine, Tampa, Florida 33620**.

*An Equal Employment Opportunity University*

## POSITIONS OPEN

### POSTDOCTORAL POSITIONS

Opportunities for research training in the biochemistry and molecular biology of the cardiovascular system including coagulation, muscle metabolism, lipid transport, and adaptation to malnutrition. Ph.D./M.D. applicants send résumé with three references to:

**Dr. Robert E. Olson**  
St. Louis University School of Medicine  
Department of Biochemistry  
1402 South Grand Blvd.  
St. Louis, Missouri 63104

### POSTDOCTORAL POSITION

Wayne State University School of Medicine has immediate opening for a postdoctoral research position in immunology with emphasis on demyelinating diseases. Curriculum vitae and names of three references may be sent to **Dr. H. C. Rauch, Department of Immunology and Microbiology, Wayne State University School of Medicine, Detroit, Michigan 48201**. *An Equal Opportunity/Affirmative Action Employer.*

**POSTDOCTORAL POSITIONS IN DEVELOPMENTAL BIOCHEMISTRY.** Two positions (\$9,000 to \$11,000) are available in September, with the exact starting date to be negotiated. (i) Research on the regulation of hemoglobin and RNA synthesis in differentiation. Cell-free protein synthesis, nucleic acid structure and function. (ii) Study of development in a eukaryotic model system. Focus is on functions influenced by cyclic nucleotides during the developmental cycle and factors influencing cyclic nucleotide levels. Please send curriculum vitae to **Dr. John C. Lee (i) or Dr. R. A. Weisman (ii), Department of Biochemistry, University of Texas Health Science Center, 7703 Floyd Curl Drive, San Antonio, Texas 78284**. *An Equal Opportunity Employer.*

### POSTDOCTORAL POSITIONS

Starting 1 September 1975, three postdoctoral positions are available: **Protein Chemist**—experienced in the use of chemical and physical methods for characterizing protein structure; **Enzymologist**—experienced in isolation and characterization of enzymes; **Biochemist**—experienced in immunology. Salary \$10,000 and up, depending on experience. Send résumé and two letters of reference to:

**Dr. Om Bahl**  
Farber G-8  
State University of New York at Buffalo  
Buffalo, New York 14214

**POSTDOCTORAL POSITION:** recent Ph.D. in Biochemistry to study either (i) genetic regulation of enzyme turnover or (ii) methylation of DNA in mammalian tissues. Available immediately. \$10,000 plus fringe benefits. Send curriculum vitae including names of three references to: **Dr. Miriam Meisler, Department of Biochemistry, State University of New York School of Medicine, Buffalo, New York 14214**.

**POSTDOCTORAL POSITIONS IN BIOMEDICAL ENGINEERING.** Multidisciplinary research training in the biomedical engineering aspects of cardiopulmonary systems. Appropriate for fellows with Ph.D. degrees in engineering (biomedical, electrical, mechanical, chemical), physiology, or biophysics, or a medical degree (M.D.). Send résumé and references to: **Dr. Fred S. Grodins, Biomedical Engineering, University of Southern California, Los Angeles, California 90007**. *An Equal Opportunity/Affirmative Action Employer.*

**POSTDOCTORAL POSITION** in the Departments of Medicine/Biochemistry is available immediately for studies of the role of superoxide dismutase in oxygen toxicity. Background in biochemistry, immunology, and immunohistology is preferred. Send curriculum vitae and three letters of reference to: **Dr. J. M. McCord, Box 3206, Duke University Medical Center, Durham, North Carolina 27710**. *Duke University is an Equal Opportunity/Affirmative Action Employer.*

**POSTDOCTORAL TRAINEESHIP** available immediately for studies in clinical visual physiology. Two-year program for a candidate with a Ph.D. in visual science and an interest in working in a clinical environment. Candidate will participate in clinically oriented research and development projects and in the routine testing of patients. Stipend depends on experience. Send curriculum vitae to: **Robert W. Knighton, Ph.D., Bascom Palmer Eye Institute, 1638 N.W. 10 Avenue, Miami, Florida 33136**.

## POSITIONS OPEN

**POSTDOCTORAL RESEARCH ASSOCIATE.** October 1975, to work on neurochemistry of PKU. Salary \$10,000, \$13,000 with prior postdoctoral experience. Submit curriculum vitae and have two letters of recommendation sent to: **Dr. Frank L. Siegel, Kennedy Laboratory, University of Wisconsin Medical School, Madison, Wis. 53706.** *An Equal Opportunity Employer.*

## PRE- AND POSTDOCTORAL RESEARCH POSITIONS

Postdoctoral research appointment available immediately for research on effects of metallic pollutants on fish and amphibian reproduction. Training in GC and AAS analysis useful. Starting salary \$10,000. Twelve-month predoctoral appointments also available. Send curriculum vitae and three letters of recommendation to: **Wesley J. Birge, Professor of Biology, University of Kentucky, Lexington, Ky. 40506.** Telephone: 606-258-5800.

## PROFESSOR, SOLID STATE SCIENCE

Distinguished scientist required to lead noteworthy program of research and teaching in solid state science, emphasis on basic research underlying new energy source utilization and storage, *particularly solar energy.* Stimulating interaction with 20 faculty from chemistry and physics in Center for Solid State Science expected. Salary commensurate with the candidate's training and experience. *Arizona State University is an Equal Opportunity/Affirmative Action Employer.* Letters of application, curriculum vitae, bibliography, and three letters of recommendation to **Professor LeRoy Eyring, Director, Center for Solid State Science, Arizona State University, Tempe, Arizona 85281.** Applications received after 31 August 1975 not assured consideration.

**RESEARCH POSITION.** Seeking Ph.D. or M.D. with experience in microelectrode techniques to direct a fully equipped electrophysiology laboratory located in the Department of Cardiology. Salary commensurate with training and experience. Federal Civil Service position with fringe benefits available to qualified applicant. Send inquiries including curriculum vitae to:

**Anthony N. Damato, M.D.  
U.S. Public Health Service Hospital  
Staten Island, New York 10304**

**RESEARCH ASSOCIATES.** (i) Isolation, separation, and structure determination of aromatic amine metabolites. Two years, possibly longer. (ii) Polycyclic aromatic hydrocarbon metabolism and in vitro carcinogenesis. Three years. Both positions will make extensive use of HPLC. **Duane L. Crosier, Personnel Manager, Fred Hutchinson Cancer Research Center, 1102 Columbia St., Seattle, Wash. 98104.**

The Michigan Cancer Foundation, a private, university-affiliated research institution, is engaged in a multidisciplinary study of the factors which influence malignancy in human breast cancers, and the role of viruses in human cancer. Positions are available in several disciplines for recent Ph.D.'s or M.D.'s at the level of **RESEARCH ASSOCIATE.** Candidates with experience in the following areas are sought:

- (i) **Molecular Biology**—Should have knowledge of RNA tumor viruses, their nucleic acids and polymerases, and experience with nucleic acid hybridization;
- (ii) **Cell Biology**—Experience in cell culture, especially of human tumors, cell surface properties, and the assessment of malignant potential in culture;
- (iii) **Experimental Pathology**—Experience in histology and histochemistry and knowledge of tumor pathology;
- (iv) **Biochemistry, Immunochemistry**—Experience in the isolation and characterization of virus and tumor protein antigens.

Applications, including a complete curriculum vitae, reprints, if available, and list of references should be submitted to: **Dr. S. B. Horowitz, Chairman, Department of Biology, Michigan Cancer Foundation, 110 East Warren Avenue, Detroit, Mich. 48201.**

*The Michigan Cancer Foundation is an Equal Opportunity Employer.*

**RESEARCH ASSOCIATE.** General microbiologist with experience with computers. Microbial systematist with knowledge of statistics preferred but a general microbiologist (Ph.D.) with experience in systematics acceptable. Responsible position involving data management and coordination of team effort. Salary \$16,000 to \$20,000. Send confidential résumé to **Mrs. Bobbie Brandon, American Type Culture Collection, 12301 Parklawn Drive, Rockville, Md. 20852.**

## POSITIONS OPEN

**RESEARCH ASSOCIATE IN REPRODUCTIVE BIOLOGY.** Ph.D. For research on in vitro differentiation and function of isolated mammalian testicular germinal cells. Prefer individual with strong cell biology background and experience with cell cycle analyses, flow fluorescence techniques, and tissue culture. Send curriculum vitae and names of three references immediately to: **Allen W. Schuetz, Department of Population Dynamics, Johns Hopkins University School of Hygiene, 615 N. Wolfe St., Baltimore, Md. 21205.** *An Equal Opportunity/Affirmative Action Employer.*

## AUSTRALIAN INSTITUTE OF MARINE SCIENCE

The Australian Institute of Marine Science has been established as a Statutory Authority by Act of the Australian Parliament. Under its Act, the Institute will perform research in marine science and cooperate with other institutions performing research in marine science. The Institute is temporarily located at Cape Pallarenda, Townsville, with permanent headquarters being constructed at Cape Ferguson, southeast of Townsville. The Institute's principal early objective is the study of the Great Barrier Reef and neighboring waters.

## RESEARCH SCIENTIST

Field: Algal physiology or ecology.

Duties: To join a research group considering the mechanisms of calcification in calcareous organisms and communities of the Great Barrier Reef.

Qualifications: Ph.D. degree or equivalent qualification with interest and experience in the physiological aspects of the calcification process in calcareous algae, and/or the primary production of coral algal symbionts, especially as related to their photosynthetic, nutrient budgets, and in situ energy spectrum.

## RESEARCH SCIENTIST/SENIOR RESEARCH SCIENTIST

Field: Chemical sciences.

Duties: Investigations of the chemical basis of primary productivity, environmental fertility, and organic matter turnover in the tropical inshore environment, with attention to interactions within and between the water column and the sea bed, including mangrove sediments and coral substrata. The successful applicant will be expected to collaborate closely in this undertaking with a plant physiologist and a microbiologist, and should have a strong interest in field-oriented research.

Qualifications: A Ph.D. degree or equivalent qualification together with a postdoctoral specialization in any branch of chemistry relevant to the study of the natural sediments and waters along tropical coastlines. Direct association with the development of analytical procedures and physicochemical instrumentation for use in the open environment. Some emphasis in an appropriate area of physical chemistry is seen as an advantage. Familiarity with outdoor tropical conditions is also desirable.

Salary: Appointment to the above positions will be made within the salary ranges of Research Scientist—Principal Research Scientist (A\$11,653 to A\$20,437).

Applications, giving details of qualifications, experience, personal particulars, and the names of three professional referees, are invited and should be forwarded to: **The Secretary, Australian Institute of Marine Science, P.O. Box 1104, Townsville, Queensland 4810, Australia.** Closing Date: 30 July 1975.

**SCIENCE EDITOR.** Princeton University Press seeks acquisitions editor to expand list in all fields of scientific research. Scientific background required. Written applications only. **Princeton University Press, Box SE, Princeton, N.J. 08540.**

We are seeking funding for a **SENIOR FACULTY POSITION** to start 1 September 1976. In anticipation, we are inviting applications from individuals with outstanding research credentials in some area of **cell movement or cell communication.** Candidates should have some years of experience as a senior investigator and should expect to be granted tenure. Please have at least three letters of recommendation and a curriculum vitae sent to: **Chairman, Faculty Recruiting Committee, MCD Biology, University of Colorado, Boulder, Colorado 80302.** *An Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### SENIOR MICROBIOLOGIST

A growing pharmaceutical company is seeking an action-oriented, career-minded individual with a Ph.D. in microbiology with 3 to 5 years of applicable experience. The successful candidate must have knowledge and experience in animal infection models and therapy, infectious diseases, antibiotic therapy and/or clinical/diagnostic microbiology. Will carry responsibility of in vivo screening program.

Alcon offers excellent working conditions and employee benefits including free medical care insurance and free life insurance, as well as an excellent profit-sharing program. Send résumé in confidence to:

**T. A. Gisi  
Alcon Laboratories, Inc.  
P.O. Box 1959 Ft. Worth, Texas 76101  
*An Equal Opportunity Employer***

Full-time position for assistant or associate professor available fall 1975, for Ph.D. **VERTEBRATE ZOOLOGIST** at small Quaker liberal arts college. Teaching responsibilities: vertebrate zoology, human anatomy and physiology, animal physiology, developmental biology, introductory biology for majors and nonmajors. Load is six courses per academic year. Assistant Professor salary \$11,000. Apply to: **Chairman, Biology Department, Wilmington College, Wilmington, Ohio 45177.**

## FELLOWSHIPS

**KING'S COLLEGE, CAMBRIDGE: BEHAVIOURAL ECOLOGY.** Applications are invited from men and women graduates for **Fellowships** in Behavioural Ecology tenable in the College's Research Centre. Closing dates: 15 November 1975 for junior fellowships (candidates must be under 28 on 1 December 1975 and with not more than about 3 years of research experience); and 1 October 1975 for other fellowships. Tenure: up to a maximum of 4 years. Details from: **The Convener, Research Centre, King's College, Cambridge CB2 1ST, England.**

The Department of Neurology, Stanford University, offers **NIH fellowships** for postdoctoral training in developmental neurology to qualified applicants holding the M.D., Ph.D., or equivalent degree. Training is available in areas of neurochemistry, animal and human neurophysiology, neuroanatomy, and tissue culture. For further information apply to: **Robert W. P. Cutler, M.D., Department of Neurology, Stanford University Medical Center, Stanford, California 94305.**

## POSTDOCTORAL FELLOWSHIPS AT ARGONNE NATIONAL LABORATORIES

Expanded programs in the biomedical and radiobiology fields have created opportunities for 2 year appointments for studies involving mammalian cells in vitro. Fellowships are available in the following areas, and will be under the direction of Dr. M. M. Elkind.

**Radiobiology:** Damage-repair mechanisms; neutron, gamma, and x-rays, and nonionizing radiations; survival and DNA studies.

**Cell Transformation:** Mechanisms of chemical and radiation induction; development of cell systems; role of repair processes.

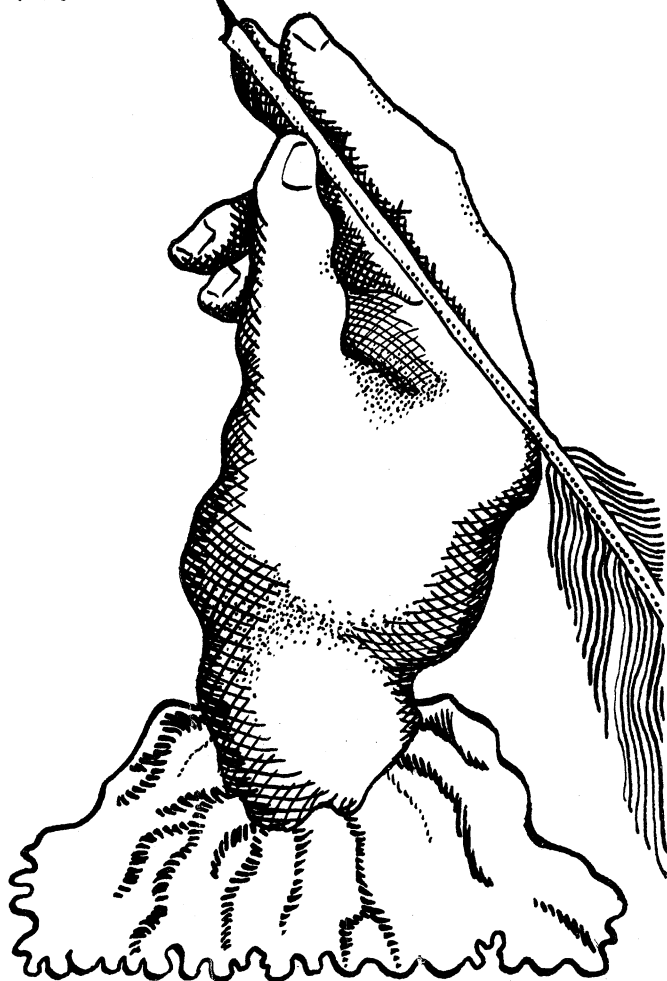
Minimum starting salary: \$11,700 per annum, plus travel and fringe benefits. Send curriculum vitae, bibliography, and date available to: **R. A. Johns, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439.** *An Equal Opportunity Employer, m/f.*

## ANNOUNCEMENTS

### CYCLAMATE DATA

In compliance with a request from the Food and Drug Administration, the Division of Cancer Cause and Prevention, National Cancer Institute, is undertaking the review and evaluation of all data relating to the possible carcinogenicity of cyclamate or its metabolites. The availability of relevant data should be made known to the below-named individual. Contacts will be accepted on a continuing basis. Data should not be forwarded until after this preliminary contact with **Dr. James M. Sontag, Executive Secretary, Temporary Committee for the Review of Data on Carcinogenicity of Cyclamate, Carcinogenesis, Division of Cancer Cause and Prevention, National Cancer Institute, Landow Building, Room A-306, Bethesda, Maryland 20014.** Telephone: 301-496-5471.

# 1975 AAAS-WESTINGHOUSE Science Writing Awards for Newspapers and Magazine Science Writing



## RULES

1) The aim of this competition is to encourage and recognize outstanding writing on the sciences and their engineering and technological application in newspapers and general circulation magazines. The following categories are not eligible: articles on the field of medicine, articles published originally in AAAS publications, articles by employees of the AAAS or Westinghouse Electric Corporation.

2) Each entrant in a newspaper award competition and each entrant in the magazine award competition may submit three entries.

3) An entry for a newspaper competition may be any of the following: a single story; a series of articles; or a group of three unrelated stories, articles, editorials, or columns published during the contest year. A magazine entry may be a single story or series published during the contest year.

4) A completed entry blank must be submitted together with five copies of each entry in the form of tear sheets, clippings, reprints, or syndicate copy (not over 8½" × 11"), showing name and date of the publication. ENTRIES MUST NOT BE ELABORATE.

5) Each entry must have been published in a newspaper or general circulation magazine within the United States during the contest year—1 October 1974 through 30 October 1975. (In the case of a series, more than half of the articles comprising it must have been published during the contest year.) Date on the issue in which an article appeared will be considered as the date of publication. All entries must be postmarked on or before midnight, 15 November 1975.

6) Persons other than the author may submit entries in accordance with these rules. Entries will not be returned.

7) Winners of the 1974 awards are not eligible for the 1975 awards. Persons winning three times are no longer eligible.

8) The Judging Committee, whose decisions are final, will choose the winners. There are three awards of \$1000: for the winning entry in the over-100,000 daily circulation newspapers competition; for the winning entry in the under-100,000 circulation newspapers competition; and for the winning entry in the general circulation magazine competition. For award purposes, newspaper circulation will be sworn ABC daily circulation as of 30 September 1975. The Judging Committee may cite other entries for honorable mention.

9) The awards will be presented at the dinner meeting of the National Association of Science Writers, during the 1976 meeting of the American Association for the Advancement of Science in Boston. Travel and hotel expenses of the award winners will be paid. Entrants agree that, if they win, they will be present to receive their awards, unless prevented by circumstances beyond their control.

Grayce A. Finger

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

1515 Massachusetts Avenue, N.W. Washington, D.C. 20005