

Personnel Placement

Only those employers who will not discriminate on the basis of race, sex, religion, age, 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

Bacterial Physiologist. Ph.D. with 2 years of teaching experience, desires teaching or research position. Background includes general microbiology, immunology, virology, and biochemistry. Write to V. H. Mills, 825 Dunhill Drive, Virginia Beach, Virginia 23462. X

Biochemistry-Molecular Biology. Ph.D. Twelve years' experience; control mechanisms, DNA repair, carcinogenesis, tissue culture, hormones; many publications; good teacher. Seeks research and/or teaching position. Available immediately. Box 421, SCIENCE. X

Biochemical Endocrinologist. Two years of postdoctoral experience in mechanism of hormone action, receptor binding, feedback regulation, enzyme induction, and RIA. Seeks research, teaching position. Box 411, SCIENCE. X

Clinical/Analytical Biochemist. Ph.D., postdoctoral training, hospital experience, excellent background in research, method development including clinical chemistry-toxicology-radioimmunoassay-academic. Especially knowledgeable in trace metal research. Numerous publications. Seeks research institute, academic/research, or industrial position. Box 422, SCIENCE. X

Human Geneticist. Ph.D. Seeks position involving chromosome analysis and genetic counseling; teaching affiliation preferred. Twelve years' experience, numerous publications. Box 423, SCIENCE. X

Invertebrate Zoologist. Ph.D., seeks teaching and/or research position to pursue interests on terrestrial invertebrates. Special interest, phylogeny and distribution of nearctic diplopods. Experienced taxonomist. Publications with several aquatic and terrestrial invertebrate groups. Box 424, SCIENCE. 10/10, 17, 24

Neurophysiologist. Ph.D., seeks teaching and/or research position. Teaching experience. Active research program. Box 425, SCIENCE. X

Scientific Glassblower/Photographic Technologist; teaching/management experience. Seeks R & D/teaching/administration with university. Any country. Box 426, SCIENCE. X

POSITIONS OPEN

FULL OR ASSOCIATE PROFESSOR, DEVELOPMENTAL PSYCHOLOGY. The Institute of Child Development of the University of Minnesota has an opening for a senior appointment beginning September 1976. Preference will be given for specialization in the area of cognitive development, broadly interpreted. Interested persons should send copies of their curriculum vitae to **Professor Herbert L. Pick, Jr., Institute of Child Development, University of Minnesota, Minneapolis, Minn. 55455.** Deadline for receipt of materials is 1 December 1975. *The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.*

Position Available—**Assistant Professor**, Department of Microbiology, College of Medicine, University of Arizona, Tucson, Arizona.

MICROBIOLOGIST, Ph.D. or M.D. with interest in mechanisms of host-parasite relationships and disease production. Major emphasis on bacteria and fungi as pathogens. At least 3 years of postdoctoral experience. Duties include teaching of medical and graduate students and development of an active and productive research program. *An Equal Opportunity/Affirmative Action Employer.*

Contact:

David Rifkind, Ph.D., M.D.
Department of Microbiology
Arizona Medical Center
Tucson, Arizona 85724

ASSISTANT PROFESSOR OF PHARMACOLOGY

Applications are invited by the Department of Pharmacology at the University of Missouri for the position of assistant professor of pharmacology. The applicant should possess the Ph.D. or M.D., should have completed approximately 3 years postdoctoral experience, should have demonstrated research capabilities, and should have an active interest in teaching medical and graduate students. Preference will be given to an applicant whose research experience and interest are in the areas of **cardiovascular and pulmonary pharmacology or neurochemistry and neuropsychopharmacology.** The position is available as of 1 January 1976. Closing date for receipt of applications is 1 November 1975. Send résumé and references to **Dr. Murray Heimberg, Chairman, Department of Pharmacology, School of Medicine, University of Missouri, Columbia, Missouri 65201.** *The University of Missouri is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR. Ph.D. with 2 or more years experience. Teaching. Research related to human health. Areas preferred: nutrition, metabolic control, enzymology, membrane biochemistry. Starts 1 January 1976. Closing date for applications is 12 November 1975. Salary \$16,000, negotiable, academic year. One-year appointment, possibility of second year depending upon funding. Send curriculum vitae and references to **Dr. F. H. Radke, Chairman, Department of Biochemistry, University of Maine, Orono, Maine 04473.** *An Equal Opportunity Employer.*

ASSISTANT PROFESSORSHIPS IN ANIMAL VIROLOGY, CELLULAR IMMUNOLOGY, PHYSIOLOGICAL ECOLOGY, AND DEVELOPMENTAL BIOLOGY

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

ASSISTANT PROFESSOR IN BIOCHEMISTRY. A position is available in the Department of Biological Chemistry for a highly qualified scientist whose primary research interest is in the area of DNA structure and DNA sequence. Postdoctoral experience is required. Interested applicants should submit a biographical sketch and publication list and the names of three people who can be contacted for reference letters. In addition to research, the position involves teaching both medical and graduate students. Correspondence should be addressed to: **Dr. Luis Glaser, Department of Biological Chemistry, Washington University School of Medicine, 660 South Euclid Avenue, St. Louis, Missouri 63110.** *An Equal Opportunity Employer.*

POSITIONS OPEN

Applications are invited for a position at the level of **ASSISTANT PROFESSOR** in the Department of Biology to teach and carry out research in the areas of anatomy, neuroanatomy, and neuroendocrinology. Candidates showing evidence of potential to carry out superior research and who are interested in undergraduate and graduate teaching should submit a curriculum vitae, including bibliography, and a brief sketch of their research program along with three references to: **Dr. Joseph Lobue, Chairman, Recruitment Committee, Department of Biology, 952 Brown Building, New York University, New York, New York 10003.** *An Equal Opportunity/Affirmative Action Employer.*

DEPARTMENT OF BOTANY UNIVERSITY OF CALIFORNIA, BERKELEY

Applications are invited for an anticipated opening at the level of assistant professor in botany, starting fall 1976. The teaching and research interests of the candidates should be either in the area of plant physiology (to teach courses in plant physiology, contribute to the teaching of general biology or botany, and develop a graduate teaching and research program) or in the area of the systematics of vascular plants (to teach courses in the systematics of seed plants, contribute to the teaching of general biology or botany, and develop a graduate teaching and research program). Applicants should send a curriculum vitae (including relevant course work), bibliography with copies of publications, and a summary of teaching and research objectives to **Chairman of the Search Committee, Department of Botany, University of California, Berkeley, California 94720.** Applicants should have three letters of reference sent directly to the above address. The review of applicants will begin 15 January 1976. *The University of California is an Equal Opportunity/Affirmative Action Employer.* Minority and women candidates are urged to apply.

ASSISTANT PROFESSOR (Spring 1976)

A Ph.D. with teaching interests in vertebrate histology, electron microscopy, and comparative anatomy.

Send curriculum vitae, three letters of reference, and supporting materials to the

Chairman
Department of Biology
Baylor University
Waco, Texas 76706

An Equal Opportunity Employer

CHALLENGING POSITIONS FOR BIOMEDICAL SUBJECT SPECIALISTS

Scientists with M.D., Ph.D., or M.S. and broad interest, training, and experience in biochemistry, immunology, virology, carcinogenesis, cancer therapy, and other cancer research areas are invited to send a complete curriculum vitae, including a full list of biomedical courses taken, publications, and names of references to the following address if they are interested in a career as biomedical information specialists. Send complete curriculum vitae to: **Dr. W. R. Foster, Smithsonian Science Information Exchange, Room 300, 1730 M St., NW, Washington, D.C. 20036.**

CHAIRPERSON, DEPARTMENT OF BIOLOGY INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS

Applications are invited for a Chairperson of the Department of Biology in the School of Science. The School of Science is composed of the departments of Biology, Chemistry, Geology, Mathematical Sciences, Physics, and Psychology at Indiana University-Purdue University at Indianapolis (IUPUI). IUPUI is a growing urban university with a faculty of 1,100 and an enrollment of more than 20,000 students.

The School of Science is seeking a candidate with an earned Ph.D. in the biological sciences who has a record of excellence in teaching and research, and competence in organizational leadership and management. Responsibilities will include the development of research and graduate programs in biology, and the interfacing of such programs with current graduate programs in other academic units such as chemistry, medicine, dentistry, and nursing.

Salary: commensurate with experience.

Employment date: 1 July 1976.

Application deadline: 1 December 1975 (application should include three letters of reference).

Apply to: **Dr. John G. Weihaup, Dean for Academic Affairs, School of Science, Indiana University-Purdue University at Indianapolis, 1201 East 38 Street, Indianapolis, Indiana 46205.**

Indiana University-Purdue University at Indianapolis is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CHAIRMAN, Department of Biochemistry, University of Missouri-Columbia. The departments of Agricultural Chemistry (College of Agriculture) and Biochemistry (School of Medicine) have recently merged. The combined department serves both professional schools and offers graduate and undergraduate programs in biochemistry. Applicants for chairman are invited to send curriculum vitae and the names of three references to: **Dr. Constantine Anast, Biochemistry Search Committee, School of Medicine, University of Missouri-Columbia, Columbia, Missouri 65201.**

The University of Missouri-Columbia is an Equal Employment and Educational Opportunity institution.

DEPUTY HEAD OF PHARMACOLOGY

A leading Spanish pharmaceutical company situated in the Mediterranean city of Barcelona, invites applications from senior pharmacologists for this post in the expanding Pharmacology Department of our Research Division. The person we appoint will have a good honors degree in an appropriate discipline, a Ph.D. in pharmacology, and extensive experience in the pharmaceutical industry.

Knowledge of Spanish is not initially essential but the successful candidate must be prepared to acquire adequate fluency in this language over a period of 2 years.

The initial salary will be within the range of \$18,000 to \$20,000 per year, tax-free, but could be subject to negotiation in exceptional circumstances. Transportation and resettlement expenses will be paid.

Applications in writing, with full curriculum vitae, should be addressed to:

**LABORATORIO
Apartado de Correos 1583
Barcelona, Spain**

DIRECTOR OF USER SERVICES

Supervise User Services activities, consulting, documentation, courses, and maintenance of program library for the academic computing center. Support and liaison for exchange of computer programs. Work closely with systems group; facilitate communications among users; represent users' interest in day-to-day operations as well as long-range planning for facilities, budgets, and the like.

Ph.D. plus experience in teaching and research and knowledge of computers. Send résumé to:

**Chairman, Search and Selection Committee
Computer Laboratory
Michigan State University
East Lansing, Michigan 48824**

Michigan State University is an Equal Opportunity Employer.

ELECTRON MICROSCOPIST

An opportunity exists for an individual trained in the field of ultrastructural analyses to join the faculty of the Pathology Department, New York State College of Veterinary Medicine, Cornell University. The successful applicant will be responsible for developing a laboratory capable of conducting comprehensive ultrastructural studies and integrating the principles and techniques of electron microscopy into the departmental teaching and diagnostic programs. Strong research interests are required, and training in veterinary pathology is desirable.

Applicants should send complete curriculum vitae, personal bibliography, and references to **Dr. Robert M. Lewis, Chairman, Department of Pathology, New York State College of Veterinary Medicine, Cornell University, Ithaca, New York 14853.**

An Equal Opportunity Employer

Applications are invited for several **FACULTY POSITIONS** at the professor, associate professor, and assistant professor levels in the Sidney Farber Cancer Center, Harvard Medical School, for 1 July 1976. Positions are available in the areas of cell growth and regulation, eukaryotic gene structure, tumor virology, immunology, and pharmacology. Candidates should have demonstrated the capacity to do exceptional, independent research. Applications from women and minorities are encouraged. Candidates should submit curriculum vitae, including a list of publications, a few recent reprints, a short description of future research, and three letters of recommendation to the **Search Committee, Sidney Farber Cancer Center, 35 Binney St., Boston, Mass. 02115. The Sidney Farber Cancer Center is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

DEAN OF THE GRADUATE SCHOOL AND COORDINATOR OF RESEARCH AT ILLINOIS INSTITUTE OF TECHNOLOGY

Applicants must demonstrate ability to advance IIT's position as a leading independent institution, through encouraging and developing research opportunities for faculty, developing cooperative programs with affiliated institutions, other educational institutions, business and industry, government, and laboratories in the Chicago area. The dean will administer private and government grants to IIT, and will direct the Graduate School. Qualifications include demonstrated ability to secure outside funding for research, administrative and leadership ability, and qualification for appointment as a full professor in an appropriate IIT discipline.

Send nominations, inquiries, or apply with résumé and three references to: **Dr. D. T. Wasan, Chairman, Search Committee for Dean of the Graduate School, Illinois Institute of Technology, Chicago, Illinois 60616. Telephone: 312-567-3040.**

EXPERIMENTAL PATHOLOGIST

Position with teaching and research responsibilities in a Department of Microbiology. Qualifications and responsibilities include: (i) Ph.D. or M.D. degree; (ii) teaching blood transfusion and hematology to undergraduate and graduate students; (iii) teaching general pathology to first-year medical students in the WAMI Medical Program; (iv) developing an independent research program in experimental pathology. Academic year appointment. Rank and salary (\$15,000 to \$22,000) dependent upon qualifications. Submit curriculum vitae, transcripts, and names of three references by 1 March 1976 to: **Norman D. Reed, Chairman, Search Committee, Department of Microbiology, Montana State University, Bozeman, Montana 59715. An Equal Opportunity/Affirmative Action Employer.**

The Department of Chemistry of the University of Maryland Baltimore County (UMBC) invites applications for two **Faculty Positions** at the assistant professor level for the fall semester, 1976, contingent upon the availability of funds. Applicants should hold a Ph.D. degree and have a minimum of 1 year of post-doctoral experience. The preferred areas are bio-organic chemistry, especially as applied to biopolymers, and analytical techniques, as applied to chemical or biochemical systems. Applicants should send a curriculum vitae and references to:

**Chemistry Search Committee
University of Maryland
Baltimore County
5401 Wilkens Avenue
Baltimore, Md. 21228**

The University of Maryland Baltimore County is an Affirmative Action/Equal Opportunity Employer.

FIVE POSITIONS AT THE UNIVERSITY OF BRITISH COLUMBIA

One position, assistant to full professor; outstanding candidates in any area of specialization but with preference for human learning, cognition, social, developmental, human biopsychology, or spanning more than one of these areas. Four positions, assistant to associate professor; one each in quantitative methods, environmental psychology (coordinator of Environmental Psychology Programme), developmental psychology, and clinical/community psychology. Evidence of demonstrated research competence required for all areas. Experience in field and laboratory research in appropriate areas is desirable. *The University of British Columbia offers Equal Opportunity for employment to qualified male and female candidates.* Send curriculum vitae and names of three references to: **Chairman, Faculty Search Committee, Department of Psychology, University of British Columbia, Vancouver, British Columbia V6T 1W5, Canada.**

FACULTY POSITION IN PHARMACOLOGY AND TOXICOLOGY

We are seeking a person with research interest and experience in physiological responses to chemicals for appointment at the level of assistant professor. The particular area of research (cardiovascular, renal, nervous system, and the like) is not as important as demonstrated excellence. The candidate's primary responsibility will be to set up an independent research program and to guide graduate student research.

Address inquiries to **Donald R. Taves, Chairman of Search Committee, Department of Pharmacology and Toxicology, University of Rochester Medical School, Rochester, New York 14642. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

DEPARTMENT OF COMMUNITY MEDICINE SCHOOL OF MEDICINE UNIVERSITY OF CALIFORNIA, SAN DIEGO is seeking an ASSISTANT RESEARCH SCIENTIST

To conduct quantitative bioassay procedures for carcinogenic activity of chemicals, using strain A mouse lung tumor response; study chemical virus interactions in mice; perform studies on relation of carcinogenic response to tissue levels and binding of chemicals; and to develop other research in cancer biology.

Qualifications include: (i) Ph.D. in a biological science, such as genetics; (ii) experience with small animals, preferably in cancer research; and (iii) experience and ability in technical supervision, statistical analysis of data, and writing of reports and manuscripts.

The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

Send curriculum vitae and bibliography along with first inquiry to:

**Michael B. Shimkin, M.D.
Department of Community Medicine, M-007
University of California, San Diego
La Jolla, California 92093**

FACULTY POSITION PROGRAM IN TECHNOLOGY AND HUMAN AFFAIRS WASHINGTON UNIVERSITY (ST. LOUIS)

A faculty position is available at the assistant or associate professor level in the Program in Technology and Human Affairs, a degree-granting program based in the School of Engineering concerned with the application and assessment of technology in connection with contemporary problems. A doctoral degree and some background in engineering or applied science is required. Preference will be given to individuals with interests and experience which fall within one of two broad categories: (i) energy, resource, and environmental studies; (ii) technology assessment and policy studies. Send résumé before 15 December 1975 to: **Prof. Robert P. Morgan, Chairman, Program in Technology and Human Affairs, Box 1106, Washington University, St. Louis, Missouri 63130. Washington University is an Equal Opportunity and Affirmative Action Employer.**

FACULTY POSITIONS

Two faculty positions, assistant professor and associate or full professor, are available for qualified persons with experience in teaching and in research in growth mechanisms related to oral biology. Academic appointments are in basic science or clinical departments in the Schools of Medicine and/or Dentistry.

Applicants should submit curriculum vitae and bibliography to **Albert C. Windham, Executive Officer, Dental Research Center, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina 27514.**

The University of North Carolina at Chapel Hill is an Equal Opportunity/Affirmative Action Employer.

GEOPHYSICIST-SEISMOLOGIST

Applications are invited for a research position in solid earth and marine geophysics and seismology. Ph.D. required, at least 3 years' experience required in digital data acquisition and interpretation in marine, earthquake, and planetary seismology. Must be capable of pursuing independent research.

Send curriculum vitae to **Director, Hawaii Institute of Geophysics, University of Hawaii, 2525 Correa Road, Honolulu, Hawaii 96822. An Equal Opportunity Employer.**

UNIVERSITY EM CENTER HEAD

Responsibilities include coordinating activities of the Mississippi State University Electron Microscopy Center, teaching formal courses in electron microscopy, directing laboratory technicians, and working with faculty and graduate students.

Facility: two TEM's and an SEM, four ultramicrotomes, two knifebreakers, two vacuum evaporators, freeze-etch device, critical point dryer, a sputtering device, darkroom, and specimen preparation laboratory. A Ph.D. and broad experience in transmission and scanning electron microscopy is required. Salary and academic rank dependent on qualifications and experience. Position begins 1 January 1976. Send curriculum vitae, college transcripts, three letters of reference, and publication reprints to: **Professor C. A. Wilson, Chairman, Search Committee, Drawer EM, Mississippi State University, State College, Mississippi 39762.**

An Equal Opportunity/Affirmative Action Employer



university of nijmegen - the netherlands

FACULTY OF SCIENCE

The **Faculty of Science** of the University of Nijmegen, the Netherlands, invites applications for the position of

full professor in genetics

The Professor will participate in the undergraduate and graduate courses in the department of genetics.

It is expected that he will have considerable research experience, preferably in the field of genephysiology and/or the regulatory aspects of genetics and he will be encouraged to undertake active research in these areas.

Applications, including a curriculum vitae, an account of professional experience and publications, and the names and addresses of three referees should be sent before november 1st 1975 to

Prof. Dr. H. F. Linskens, Faculty of Science, Toernooiveld, Nijmegen, the Netherlands, where further information concerning the post and the department may be obtained. Suggestions concerning suitable candidates are also welcome.

PhD's BIOLOGIST • PHYSIOLOGIST/ BIOCHEMIST

The highly regarded General Foods Technical Center features exceptionally equipped laboratory facilities and a truly professional environment in which scientists can achieve their highest potential. Right now, we have opportunities for the following professionals interested in stimulating long-term careers:

Senior Biologist

Prefer a PhD with one to five years experience or training in the physiology or pharmacology of the central nervous system. Candidate should be familiar with animal E.E.G., stimulation, and unit recording techniques.

Senior Physiologist/Biochemist

Prefer a PhD in physiology or related area specializing in gastro-intestinal secretion and absorption. Candidate should have one to five years experience in both *in vitro* and *in vivo* experimentation.

Our Westchester County location, just a short distance from New York City, offers attractive living and working conditions. Positions provide commensurate salary and full ranging benefits. Reply fully and in confidence (no phone calls, please) to:

Personnel Associate,



GENERAL FOODS CORP.

555 South Broadway
Tarrytown, New York 10591

We are an equal opportunity employer, m/f

Industrial Toxicology Specialist

Challenging opportunity at the highly respected General Foods Technical Center for solid professional to conduct critical toxicological research and to facilitate implementation of industrial hygiene procedures.

Your five or more years experience should include meaningful work in inhalation toxicology and sensitization assessment. We require an advanced degree in toxicology and well developed communication skills.

Position provides commensurate salary and full ranging benefits. Our Westchester County location, just a short distance from New York City, offers very attractive living and working conditions. Reply fully with resume (Please do not phone.). Address replies to: Personnel Associate,



GENERAL FOODS CORPORATION
555 South Broadway
Tarrytown, New York 10591

an equal opportunity employer, m/f

A RARE OPPORTUNITY TO HELP SOLVE ENVIRONMENTAL PROBLEMS

Nalco, an international leader in water, environmental and energy science, is seeking applicants for 3 staff positions:

1. Specialist, Source Sampling in the Pollution Control Consulting Section, responsible for functions such as job pre-surveys, preparation of proposals, organization and implementation of emission source sampling projects, writing of reports, instruction of stack sampling trainees, marketing assistance and other related business functions. M.S. or Ph.D. in Environmental Engineering or equivalent, with technical writing ability are required. Professional engineering registration desirable.

2. Associate Scientist in the Chemistry Section responsible for water quality studies, lab/field work, data tabulation, and report writing. Ph.D. or M.S. in Chemistry with graduate school experience or 3-5 years work experience in aquatic chemistry is required.

3. Associate Scientist in the Terrestrial Ecology Section responsible for environmental impact study design and implementation related to wildlife ecology. M.S. or equivalent, technical writing ability and field experience in identification of birds and mammals are required.

These positions offer starting salaries commensurate with experience, generous company-paid benefits including profit sharing, and potential to advance professionally. Send your resume with salary history in confidence to:

PERSONNEL DEPARTMENT
NALCO ENVIRONMENTAL SCIENCES
1500 FRONTAGE ROAD
NORTHBROOK, ILLINOIS 60062

An Equal Opportunity Employer

POSITIONS OPEN

CLINICAL CYTOGENETICIST—A cytogeneticist with a Ph.D. in genetics or equivalent training and with experience in clinical human cytogenetics is required to supervise the clinical cytogenetic activities of an active genetic counseling group. Send curriculum vitae and letters of recommendation to: **Dr. Charles J. Epstein, Department of Pediatrics, University of California, San Francisco, California 94143. The University of California is an Equal Opportunity/Affirmative Action Employer.**

DEPARTMENT HEAD: Nominations and applications are invited for head of Ph.D.-granting Department of Chemistry. Teaching experience and proved research ability as well as earned doctorate. Appointment will be at rank of full professor with salary and teaching load negotiable. *Equal Opportunity Employer.* Send résumé and references to:

**H. David Lipsich, Chairman
Search Committee
Office of the Dean
McMicken College of Arts and Sciences
University of Cincinnati
Cincinnati, Ohio 45221**

The Applied Physics Laboratory of the University of Washington is seeking a **PHYSICAL OCEANOGRAPHER** to fill a position in an established research group carrying out studies in internal waves, microstructure and environmental acoustics. Candidates must have published in the field of internal waves and microscale physical processes and have a thorough understanding of the current literature and research in these fields. The position requires a person with experience in: seagoing physical oceanography; planning internal wave and/or microstructure experiments; data analysis; and liaison with government funding agencies. The Ph.D. degree is required and résumés should include four professional references. Send résumés to **James Reilly, Applied Physics Laboratory, University of Washington, 1013 N.E. 40th Street, Seattle, Washington 98195. The University of Washington is an Equal Opportunity/Affirmative Action Employer.**

IMMUNOCHEMIST

Challenging research position available for Ph.D.-level immunochemist with experience in some or all of the following areas: induction, purification, and characterization of antibodies; synthesis and purification of antigens; binding of antigens and antibodies to solid phase supports; development of diagnostic kits which employ immunological principles.

Our company, a major ethical pharmaceutical manufacturer with modern extensive research facilities, is located in cosmopolitan Montreal. Salary will be commensurate with qualifications and experience. Please send complete résumé to:

**Personnel Department
Ayerst Laboratories
P.O. Box 6115
Montreal, Quebec
Canada H3C 3J1**

POSITIONS OPEN

LABORATORY TECHNICIAN: Prefer training in chemistry, biochemistry, or biophysics. Background/interest in protein purification/enzymes/electron microscopy. Possibility of part-time graduate study. Write **Dr. N. M. Tooney, Department of Chemistry, Polytechnic Institute, 333 Jay St., Brooklyn, N.Y. 11201.**

MOLECULAR BIOLOGIST, Ph.D. assistant or associate professor of zoology. Academic year appointment to begin 1 January 1976. Appointee will teach introductory genetics and will be involved in health sciences instruction. An active research program in molecular biology is expected. Experienced candidates preferred. Send résumé, reprints, and three letters of reference to: **Dr. Frank Roberts, Chairman, Department of Zoology, University of Maine, Orono, Maine 04473.** Deadline for receipt of applications and supportive documents is 14 November 1975. *The University of Maine is an Affirmative Action/Equal Opportunity Employer.*

NEUROPHYSIOLOGIST (Two Positions Available)

Candidates must have a Ph.D. plus 2 or more years of postdoctoral experience. Duties include teaching medical and graduate students, and development of an effective and independent research program, with emphasis placed on research. Salary and rank at the assistant or associate professor level depending on qualifications and experience. Send curriculum vitae plus names of three references to:

**Dr. Charles D. Barnes, Chairman
Department of Physiology
Texas Tech University
School of Medicine
P.O. Box 4569
Lubbock, Texas 79409
An Equal Opportunity Employer**

Applications are invited by the **FACULTY OF MEDICINE, MEMORIAL UNIVERSITY OF NEWFOUNDLAND,** St. John's, Newfoundland, Canada, for an appointment as a **NEUROSCIENTIST.** The academic rank and salary will be commensurate with qualifications and experience. The successful candidate should have an M.D. and/or a Ph.D. and have an active research experience including any of the broad areas of neurophysiology, neurochemistry, neuroendocrinology or neuropharmacology, preferably working on problems of direct clinical applicability, so as to provide a bridge between basic research and clinical activities. He/She will be required to participate in teaching neurosciences to medical students, interns, and residents.

Applicants should submit curriculum vitae together with a résumé of their research interests and the names of at least two referees to: **Dr. J. W. Snellen, Chairman of Neuroscientist Search Committee, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada.** The successful candidate will be expected to take up the position as soon as possible.

UNIVERSITY OF SOUTHERN CALIFORNIA SCHOOL OF PHARMACY

Applications are invited from established investigators for a senior-level faculty position in the pharmaceutical sciences. Examples of specific research disciplines include, but are not restricted to, biopharmaceutics/pharmacokinetics, medicinal chemistry, radiopharmacy, and pharmacutics. The successful candidate would be expected to initiate a vigorous research program and participate in graduate and professional school education. The School of Pharmacy occupies new, well-equipped facilities on the Health Science Campus. Send inquiries and résumés to: **Jordan L. Cohen, Ph.D., University of Southern California, School of Pharmacy, 1985 Zonal Avenue, Los Angeles, California 90033. An Equal Opportunity Employer.**

PHYSICIAN—GENETICIST

Applications are invited from M.D.'s with a minimum of 2 years of training or experience in medical genetics for a faculty position at the rank of assistant or associate professor of medical genetics, Indiana University School of Medicine. *Indiana University is an Affirmative Action/Equal Opportunity Employer.* Submit curriculum vitae, brief statement of current interests, and the names of three references to:

**Joe C. Christian, Ph.D., M.D.
Department of Medical Genetics
Indiana University School of Medicine
1100 West Michigan
Indianapolis, Ind. 46202**

POSITIONS OPEN

HUDSON RIVER ECOLOGICAL SURVEY TEXAS INSTRUMENTS INCORPORATED

The following positions are open:

POPULATION ECOLOGIST—Ph.D. in fisheries science, aquatic ecology, or other related field. Experience in ichthyoplankton sampling, math modeling, technical writing, and statistics desired.

FISHERIES BIOLOGIST—Ph.D. or experienced M.S. in fisheries science or related field. Expertise in fisheries sampling, analysis of population dynamics, and technical writing desired.

Interested persons should contact:

**Dr. K. Perry Campbell
Population Ecology Project Manager
Texas Instruments Incorporated
P.O. Box 237
Buchanan, New York 10511**

An Equal Opportunity/Affirmative Action Employer

PHARMACOLOGY

The Department of Pharmacology and Therapeutics, Schools of Medicine and Dentistry, State University of New York at Buffalo, invites applications for a full-time faculty position as an assistant professor. Candidate must have a Ph.D. or M.D. degree and 2 or more years of research experience and publications. The candidate will be expected to teach medical, dental, and graduate students in the area of endocrine pharmacology.

Send curriculum vitae and request letters of recommendation be sent from three persons to: **Dr. Barbara Rennick, 122 Farber Hall, Box M, State University of New York at Buffalo, Buffalo, New York 14214.** *We are an Equal Opportunity/Affirmative Action Employer.*

UNIVERSITY OF CALIFORNIA SANTA BARBARA DEPARTMENT OF BIOLOGICAL SCIENCES

Faculty position. Effective 1 July 1976. Applications are sought from **PLANT PHYSIOLOGISTS** with research interests in transport (nutrient, ion, or water) or hormones. Teaching is required at the undergraduate level in plant metabolism and advanced plant physiology and at the graduate level in an area of the appointee's specialized competence. We seek excellence in research and teaching. Salary and rank depending on qualifications and experiences.

Applications with curriculum vitae, list of publications, names of references, and summary of research interests should be sent to: **Chairman, Department of Biological Sciences, University of California, Santa Barbara, California 93106.** Applications must be received before 1 December 1975. Letters of reference should not be sent until requested. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

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Northeastern University

Northeastern University in Boston, Massachusetts invites applications for the post of Provost (chief Academic Officer of the University reporting directly to the President). The Provost is responsible for the administration of a diverse set of academic and professional colleges with a large program in cooperative education and adult education. Qualifications include substantial scholarly and professional accomplishment and experience in academic administration. Salary and benefits are negotiable. Northeastern University is an equal opportunity and affirmative action employer.

Nominations or applications with resumes should be sent to:

**Prof. Kathryn Luttgens
Chair, Provost Search Committee
121 Dockser Hall
Northeastern University
Boston, MA 02115**

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POSTDOCTORAL IN PHARMACOLOGY-MORPHOLOGY

Position requires practical knowledge of immunological techniques and protein chemistry in laboratory engaged in multidisciplinary research on the noradrenergic nervous system and purified transmitter storage vesicles. Stipend is \$11,000 per year for 2 years. Please send résumé to: **Richard L. Klein, Professor of Pharmacology, University of Mississippi Medical Center, 2500 North State Street, Jackson, Miss. 39216.**

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POSTDOCTORAL POSITION

Immediate opening for research on selective intoxication of tumor virus transformed cells. Send curriculum vitae and references to **Dr. Wallace Iglewski, Department of Microbiology and Immunology, University of Oregon Health Sciences Center, 3181 S.W. Sam Jackson Park Road, Portland, Oregon 97201.**

POSTDOCTORAL

NIH postdoctoral (National Research Award program), in radiation biology or experimental oncology, available immediately for 1 to 2 years. Minimum stipend: \$10,000. Work can be concerned with basic radiation damage or the effects of irradiation, drugs, and/or hyperthermia on cells in vitro or in vivo. Please send curriculum vitae to:

**Dr. Lyle A. Dethlefsen
Department of Radiology
University of Utah Medical Center
Salt Lake City, Utah 84132**

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POSTDOCTORAL POSITION VISUAL PHYSIOLOGY

Postdoctoral position for research on physiological mechanisms of visual adaptation. Prefer person with background in visual pigment photochemistry or sensory electrophysiology. Starting between January and September 1976; \$9,000 to \$10,000 per year for 2 years. Send curriculum vitae and three letters of reference to **Dr. Bruce Goldstein, Department of Psychology, University of Pittsburgh, Pittsburgh, Pennsylvania 15260,** and/or contact at Society for Neuroscience meeting, 3 to 6 November.

POSTDOCTORAL RESEARCH ASSOCIATE

Postdoctoral position for collaborative research on the physiology of freshwater angiosperms, particularly in relation to carbon and other nutrient metabolism, interactions between the macrophytes and epiphytic algae and bacteria, and the decomposition of littoral flora. Available immediately; initial salary \$11,000 for 12 months, plus benefits; renewable annually; 2-year appointment desired. Applications with curriculum vitae naming three references to: **Dr. Robert G. Wetzel, W. K. Kellogg Biological Station, Michigan State University, Hickory Corners, Michigan 49060.**

PROFESSOR OR ASSOCIATE PROFESSOR OF PATHOLOGY at the University of Pittsburgh School of Medicine and **NEUROPATHOLOGIST** at the Presbyterian-University Hospital.

Training and experience in neuropathology, pathological anatomy and some background in neurology or neurosurgery required. Candidate must also have had extensive experience in diagnostic neuropathology, undergraduate and postgraduate teaching, and published research. Address letter of application, curriculum vitae, bibliography, and letters of recommendation (under separate cover) to **John Moossy, M.D., Department of Pathology, University of Pittsburgh, School of Medicine, Scaife Hall, Pittsburgh, Pennsylvania 15261.** *An Equal Opportunity/Affirmative Action Employer.*

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**Heinz W. Wahner, M.D.
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POSTDOCTORAL RESEARCH

Applications are invited for a position involving collaborative studies of human amnesia. Ph.D. in human experimental psychology required. Some neuroscience background desirable. Position available beginning January 1976, at \$10,000. Send curriculum vitae and letters of recommendation to **Dr. L. R. Squire, Department of Psychiatry, Veterans Administration Hospital, University of California School of Medicine, San Diego, California 92161.** *The Veterans Administration Hospital is an Equal Opportunity Employer.*

POSTDOCTORAL RESEARCH ASSOCIATE. Position available for 1 to 2 years for research on streptococcal antigens. Applicants should have strong background in immunology and biochemistry. For further information, send résumé to **Dr. Eugene N. Fox, La Rabida University of Chicago Institute, Chicago, Illinois 60649.**

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RESEARCH—Basic experimental research position lasting 1 or 2 years immediately available for a postdoctoral fellow (Ph.D. or M.D.). Experience or background necessary in inflammatory disease for studies in ophthalmic immunology, Philadelphia area. Send résumé to: **E-92, P.O. Box 2069, Philadelphia, Pa. 19103.**

RESEARCH ASSOCIATE. Immediate opening for a student with recent Ph.D. in physiology, pharmacology, or bioengineering for a 2-year postdoctoral fellowship in experimental hemodynamics at the University of Chicago. Knowledge and skill in performing large animal experiments is desirable. Opportunity to do directed and independent research in a well-equipped laboratory with extensive facilities. Salary: \$11,000 per year and up with full benefits. Excellent opportunities for collaboration with other basic and clinical laboratories in a federally funded Specialized Center of Research in Ischemic Heart Disease. Address inquiries and curriculum vitae to: **Dr. Harold Brooks, Director, Experimental Hemodynamic Laboratory, University of Chicago, 950 East 59 Street, Chicago, Illinois 60637.**

RESEARCH ASSOCIATE position available immediately for Ph.D. to study immunology and biochemistry of lymphocyte membrane antigens. Experience in membrane research, glycoconjugates, and immunology preferred. Send curriculum vitae and references to: **W. J. Esselman, Ph.D., Departments of Surgery and Microbiology and Public Health, Michigan State University, East Lansing, Michigan 48824. An Equal Opportunity Employer.**

RESEARCH ASSOCIATE—BIOCHEMISTRY

Postdoctoral position available for studies on purine nucleotide metabolism in liver and erythroid cells, and on role of liver as source of purine compounds for non-hepatic tissues.

Salary range of \$11,000 to \$14,000 depending upon experience.

Send curriculum vitae and references to:

Dr. Bertram A. Lowy
Department of Biochemistry
Albert Einstein College of Medicine
Bronx, New York 10461
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The Center for Population and Family Health, Columbia University, seeks a **RESEARCH METHODOLOGIST** with strong knowledge of social science research methods, statistics, and data processing. Research experience in demography, epidemiology, or medical sociology desirable. Send curriculum vitae to: **The Center for Population and Family Health, Columbia University, 78 Haven Avenue, New York, N.Y. 10032.**

RESEARCH MICROBIOLOGIST

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2) **HISTOPATHOLOGIST:** Qualifications include a master's or doctorate and background in general histopathology. We prefer, but are not limited to, an individual with interests in reproduction/endocrinology.

3) **IMMUNOLOGIST:** Ph.D. with good academic background in immunology. Prefer experience in fields of cancer or autoimmune disease. Will have opportunity and responsibility for developing programs in specialty and for interacting with ongoing immunoassay program.

Salaries will be dependent on experience and qualifications. Send résumé, transcripts, and three letters of recommendation to:

Chemistry and Life Sciences Division
Research Triangle Institute
P.O. Box 12194

Research Triangle Park, North Carolina 27709
Attention: **Dr. Johnson (Genetics), Dr. Kimmel (Histopathology), or Dr. Cook (Immunology)**

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Position available at the Veterans Administration Hospital in affiliation with the Department of Neurology, University of Michigan Medical School. Candidate must be fully trained and Board-eligible or Board-certified in neurology and must be competent in clinical neurology. Must have experience and/or ability in teaching medical students and house staff and in administrative aspects of hospital medical care. Prefer someone with demonstrated ability and/or interest in neurological research. Must be eligible for full-time VA employment. Professorial rank dependent on qualifications. Code #100H0. Send curriculum vitae to **Dr. E. R. Feringa, Veterans Administration Hospital, Ann Arbor, Mich. 48105.**
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FELLOWSHIPS

The **Cancer Research Center** of the University of North Carolina at Chapel Hill has immediate openings for persons with Ph.D. and M.D. degrees for training in basic cancer-related research under established investigators in several areas including viral oncology, biochemistry of chromatin and DNA polymerases, immunology, chemical carcinogenesis, and basic endocrinology.

Training is for 1 to 2 years. Stipend is \$10,000 to \$11,500 per year. Send curriculum vitae, names and addresses of references, and a statement of research to **Mrs. A. D. Hyche, Cancer Center Program, University of North Carolina School of Medicine, 126 Macnider, Chapel Hill, N.C. 27514.**

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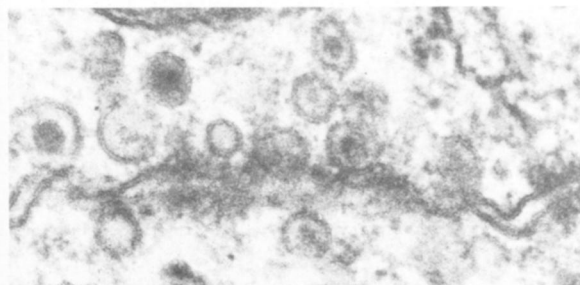
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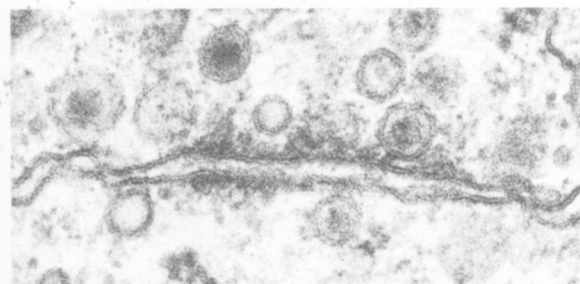
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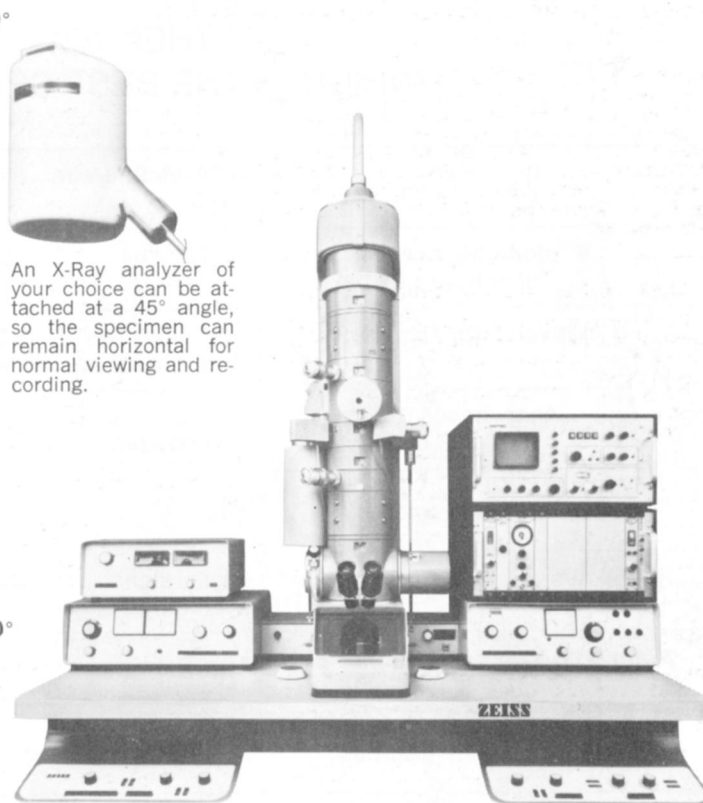


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