

Personnel Placement

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Positions Wanted: 40¢ per word; \$4 extra for use of box number. \$10 minimum charge, per insertion. Prepayment required. This rate is available only to individuals; personnel agencies, companies, colleges, and universities take display rate for all advertising.

Display (Positions Open, Market Place, and so forth): \$5.80 per millimeter; \$145 minimum charge, per insertion (covers 25 millimeters on single column; 25 millimeters equals 10 lines of 50 spaces per line). No charge for use of box number. No agency commission for ads under 103 millimeters (4 inches). No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information required for all other ads.

SCIENCE is published weekly, on Friday. Copy must be received in writing by Wednesday, 3½ weeks before Friday issue date required. 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
Telephone: 202-467-4456

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

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

Blind ad replies should be addressed as follows:

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

POSITIONS WANTED

Cell Biologist/Microbiologist. Ph.D. 1977. Postdoctoral. Publications. Experience in subcellular fractionation, somatic cell genetics, biochemistry of lipids, proteins, and nucleic acids, immunological methods. Seeking stable academic, government, or industrial position. Box 218, SCIENCE. X

Clinical Chemist. ABCC Board-eligible. Postdoctoral training in all areas of clinical chemistry including toxicology, RIA, QC, management. Supervisory experience. Available immediately. R. P. McKnight, Ph.D., Clinical Chemistry, Harborview Medical Center, Seattle, Washington 98104. X

Microbiologist, Ph.D./Technical Biological Information Retrieval Specialist. Research (publications) plus experience with major national/worldwide computer/manual biological information retrieval data-base systems. Generate product development, technology transfer, research (grant/contract) programs for academic/industrial concerns. Seeks industrial, government, academic position. Available September 1978. Box 228, SCIENCE. X

Position in Scientific and Humanistic Community: Ph.D. 1976 (systems analysis). Wishes to join a creative and nurturing eupsychian scientific community (avoiding the publish-grant anxiety trap) or to create such with others of similar interests. E. Best, 501 West Mariposa, El Segundo, California 90245. 6/30; 7/7

Senior Toxicologist. Experienced in toxicity and safety evaluations of drugs, chemicals, products, GLP and regulatory affairs. Interested in moving to Midwest or South. Box 229, SCIENCE. X

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR—Full-time faculty position for person interested in teaching and research utilizing optical microscopy, SEM, electron microprobe, and so forth. Tenure-track appointment in appropriate academic department with extensive research facilities available. Salary commensurate with experience. Send résumé before 1 July to: **Dr. Julian F. Johnson, Associate Director, Institute of Materials Science, University of Connecticut, Storrs, Conn. 06268.** An Equal Opportunity Employer.

POSITIONS OPEN

ANALYTICAL CHEMIST, The University of Chicago—The James Franck Institute. Senior professional chemist (M.S./Ph.D. or equivalent) in charge of laboratory for analytical chemistry. Skills desired include classical inorganic methods, optical emission and atomic absorption spectroscopy, x-ray methods (chemical and structural), DTA and TGA, and so forth. The right person will have wide opportunities for independent work and for involvement in different types of research projects in chemistry and physics. Salary in the range \$20,000 to \$25,000 depending on experience and skills. Submit curriculum vitae, list of publications, statement of prior experience, and arrange for at least two letters of professional reference to be sent to: **Robert Gomer, Director, The James Franck Institute, 5640 South Ellis Avenue, Chicago, Ill. 60637.** Applications and supporting letters must be received before 31 August 1978. *The University of Chicago is an Affirmative Action/Equal Opportunity Employer.*

ANATOMISTS. Two tenure-track positions are open at the assistant to associate professor levels, beginning July 1978 or January 1979, in the following areas: (i) **gross anatomy/microanatomy** with research interests in **osteobiology**, and (ii) **neurobiology/microanatomy** with research in **light, fluorescence, and electron microscopy and receptor binding techniques applied to neurotransmitter systems.** Applicants should demonstrate ability and interests in medical and graduate teaching and be able to support strong ongoing research programs capable of extramural funding. Send curriculum vitae, statement of teaching and research interests, pertinent reprints, and three letters of support to: **Charles E. Blevins, Ph.D., Department of Anatomy, Indiana University School of Medicine, Indianapolis, Indiana 46202.** An Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

Pharmaceutical analysis; September 1978. Ph.D. required. Teaching in undergraduate drug analysis and graduate program. Research encouraged. Send résumé to: **Dr. Lemont B. Kier, Department of Pharmaceutical Chemistry, Box 666, Medical College of Virginia, Virginia Commonwealth University, Richmond, Va. 23298.** An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

Applications are invited for a position as assistant professor in the area of clinical pharmacology in the Developmental Therapeutics Program of the Yale Comprehensive Cancer Center; academic appointment and teaching will be in the Department of Pharmacology. Applicants must have the Ph.D. and/or M.D. degree, postdoctoral experience, and a strong commitment to collaborative and independent laboratory research programs which bridge basic science and clinical evaluation of antineoplastic agents. No patient care required. Interested candidates should send curriculum vitae, transcripts, reprints, summary of past research and description of future interests, and names of three references by 31 July 1978 to: **Dr. Alan C. Sartorelli, Department of Pharmacology, Yale University School of Medicine, New Haven, Connecticut 06510.**

Equal Opportunity/Affirmative Action Employer

UNIVERSITY OF MINNESOTA

ASSISTANT PROFESSOR, ANTHROPOLOGY, 1978–1979 academic year. Temporary 1-year position: Ph.D. required. Interest in social-structural-symbolic theory and/or economic organization. Salary: \$14,000 to \$17,500, depending on qualifications. Send letter, curriculum vitae, reprints, graduate transcripts, and names of three references to: **William Rowe, Chairperson, Search Committee, 215 Ford Hall, University of Minnesota, Minneapolis, Minn. 55455.** Deadline for applications is 15 July 1978. *The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR: BIOCHEMISTRY AND NUTRITION. Available 1 September 1978 for candidate with research experience in nutritional biochemistry or metabolism. Position requires participation in undergraduate and graduate programs. Ph.D. required; postdoctoral experience preferred. More senior applicants may be considered. Send applications, including curriculum vitae, three letters of reference, list of publications, and description of proposed research by 15 August 1978 to: **Dr. B. M. Anderson, Department of Biochemistry and Nutrition, Virginia Tech, Blacksburg, Va. 24061.** An Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR/ASSISTANT HORTICULTURIST, Department of Horticulture, Washington State University, Pullman, Wash. Twelve-month appointment; 60 percent research and 40 percent teaching position in stress physiology of horticultural crops. Responsibilities include teaching an undergraduate course in horticultural physiology, developing a graduate course in stress physiology, and establishing a vigorous graduate-level research program in stress physiology. Minimum qualifications are a Ph.D. degree in horticulture, plant physiology, or related fields. Experience in water relations, mineral nutrition, or temperature stress required, plus demonstrated ability to communicate effectively. Send application, complete résumé, academic transcripts, work experience, and three letters of reference to: **Dr. O. E. Smith, Head, Department of Horticulture, Washington State University, Pullman, Wash. 99164; telephone: 509-335-9502.** Applications accepted until 30 July 1978. *An Affirmative Action/Equal Opportunity Employer. Women, minorities, and handicapped persons are encouraged to apply and to identify themselves as such on their applications.*

ASSISTANT PROFESSOR—BIOPHARMACEUTICS

The University of Colorado School of Pharmacy has a tenure-track position in biopharmaceutics-pharmacokinetics starting 1 September 1978. Applicants must have an undergraduate degree in pharmacy, a Ph.D. degree in one of the pharmaceutical sciences, and demonstrable experience and research interests in biopharmaceutics. The successful candidate will be expected to develop a vigorous research program and to teach on both the undergraduate and graduate levels. The school is expanding and can offer excellent research facilities and a salary commensurate with the qualifications of the candidate.

Application, including curriculum vitae and names of three references, should be sent by 20 July to:

Dean V. Gene Erwin
School of Pharmacy
University of Colorado
Boulder, Colo. 80309

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

ASSISTANT OR ASSOCIATE PROFESSOR IN ENDOCRINOLOGY, Department of Physiology. Applicants will have responsibility for advising graduate students in thesis research, supervising postdoctoral fellows, and conducting independent research. Preference will be given to candidates with broad biochemical experience in protein hormone isolation, characterization, mechanism of action, or neuroendocrinology. A joint appointment in the Department of Medicine can be arranged for suitable candidates who are medically qualified.

Interested applicants should submit curriculum vitae and request three letters of reference be sent to: **H. G. Friesen, M.D., Professor and Head, Department of Physiology, University of Manitoba, Winnipeg, Canada R3E 0W3.**

ASSISTANT PROFESSOR IN GENETICS AND CELL BIOLOGY. The Department of Genetics and Cell Biology at the University of Minnesota will have an open faculty position in the area of **EUKARYOTIC GENE EXPRESSION** in fall 1979. Applicants should have postdoctoral experience and demonstrated ability to conduct independent research which they anticipate can be supported by extramural funding. Screening of applicants will begin 1 September 1978 but applications will be accepted until the position is filled. Send curriculum vitae, undergraduate and graduate transcripts, description of research and academic interests, and names of four references to: **Dr. Walter Sauerbier, Head, Department of Genetics and Cell Biology, 250 BioScience Center, 1445 Gortner Avenue, University of Minnesota, St. Paul, Minn. 55108.**

The University of Minnesota is an Equal Opportunity Educator and Employer.

ASSISTANT PROFESSOR OF PHYSIOLOGY. We seek a faculty member dedicated to excellence in both teaching and research in such areas as cellular, renal, cardiovascular, respiratory, reproductive, or endocrine (but not CNS) physiology. Ph.D. or M.D. required. Position available after 1 July 1978. Send résumé and three letters of reference by 1 September 1978 to: **Director, Department of Physiology, The Johns Hopkins University School of Medicine, Baltimore, Md. 21205.**

Equal Opportunity Employer, M/F

POSITIONS OPEN

Scripps Institution of Oceanography has a possible opening for a postdoctoral position as **ASSISTANT RESEARCH GEOCHEMIST I**, \$18,000 to \$19,000, to participate in grant-supported laboratory program using stable isotope variations to study environmental and atmospheric chemistry. Appointment beginning fall 1978, for 1 to 2 years, possibly longer. Candidates should have Ph.D. in physical, nuclear, or geochemistry, or physics, with publications, and experience in analytical work involving mass spectrometry or low-level counting. Experience with study of glacial ice samples is desirable. Send résumés and references to: **C. Carroll, A-020, Geological Research Division, Scripps Institution of Oceanography, La Jolla, California 92093. The University of California is an Equal Opportunity Employer with an Affirmative Action Program. Women and minorities are encouraged to apply.**

ASSOCIATE CHIEF OF STAFF FOR RESEARCH—M.D. or M.D./Ph.D. Cincinnati Veterans Administration Hospital/University of Cincinnati Medical Center.

Emphasis on continuing their own area of independent clinical/basic research, helping develop new programs, and assisting in development of other investigators. Limited time available for other clinical interests.

Send curriculum vitae to: **Richard J. Kozera, M.D., Chief, Medical Service, Veterans Administration Hospital, Cincinnati, Ohio 45220. An Equal Opportunity/Affirmative Action Employer.**

ASSOCIATE DEAN RESEARCH AND GRADUATE STUDIES College of Pharmacy University of Houston

Applications are invited for the position of associate dean for research and graduate studies. The associate dean will be responsible for developing the long range goals for both the graduate and research programs within the departments of the College of Pharmacy, as well as funding of these programs. The successful candidate will also be responsible for the development and possible implementation of a Doctor of Pharmacy Program.

Candidates must have an earned Ph.D., a professional degree in pharmacy, and credentials which would warrant appointment at the associate professor level. The position will be available 1 September 1978. A letter of application, résumé, and three references should be forwarded to: **Joseph P. Buckley, Ph.D., Dean, College of Pharmacy, University of Houston, 4800 Calhoun Boulevard, Houston, Texas 77004.**

Equal Opportunity Employer

ASSOCIATE DIRECTOR OF CLINICAL MICROBIOLOGY. Department of Pathology, University of California, Los Angeles (UCLA), School of Medicine and Hospital and Clinics. Applications are invited from well-qualified persons with a doctorate degree who possess adequate experience in clinical microbiology. The applicant will share the responsibilities of supervising a large, academic- and service-oriented clinical microbiology laboratory; teaching medical, graduate, postgraduate, and medical technology students; and will be required to develop own program of microbiological research. Salary range commensurate with an academic appointment at the junior level. Applicants should send curriculum vitae, bibliography, and the names and addresses of three references to: **Dr. William J. Martin, Professor and Head, Microbiology Section, Department of Pathology, UCLA School of Medicine, Los Angeles, California 90024.** Applications will be considered early in August 1978. *UCLA is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.*

UNIVERSITY OF OKLAHOMA COLLEGE OF MEDICINE

Applications are solicited for a faculty position in: **BIOCHEMISTRY (#129)—PROFESSOR** to serve as head of the Department of Biochemistry. Will lead development of medical and graduate student education and the creation of strong biomedical research program. Strong background in the area of biochemical research required.

Applicants should send curriculum vitae identifying vacancy number for which they are applying to: **Dr. Thomas N. Lynn, Dean, College of Medicine, University of Oklahoma Health Sciences Center, P.O. Box 26901, Oklahoma City, Oklahoma 73190. We are an Equal Opportunity Employer.**

30 JUNE 1978

POSITIONS OPEN

ASSOCIATE PROFESSOR OF ANATOMY

The Department of Anatomy at Tufts University School of Medicine invites applications for a tenure-track position at the associate professor level, available 1 July 1978. Teaching responsibilities will be in medical/dental histology and cell biology. The individual should have an established interdisciplinary research program in pulmonary cell biology, and have considerable experience in electron microscopy and the isolation and culture of pulmonary cells that retain differentiated function. Salary will be commensurate with ability and experience. Applicants should send curriculum vitae, bibliography, and references to: **Dr. Karen R. Hitchcock, Department of Anatomy, Tufts University School of Medicine, 136 Harrison Avenue, Boston, Massachusetts 02111. Tufts University is an Equal Opportunity/Affirmative Action Employer.**

BIOCHEMISTRY POSTDOCTORAL. Available immediately for the physico-chemical study of structure function relationships in enzyme systems. Emphasis is on spectroscopic approaches. Salary to \$12,000. Send résumé and names of three references to: **P. Horowitz, Ph.D., Department of Biochemistry, The University of Texas Health Science Center, San Antonio, Texas 78284. An Affirmative Action/Equal Opportunity Employer.**

The Division of Endocrinology, Department of Medicine, Vanderbilt University School of Medicine, is seeking to fill the position of **BIOCHEMIST** to the Sex Steroid and Gonadotropins Laboratory of the division.

As biochemist to these laboratories, the person selected will be expected to assume leadership of this laboratory with respect to its function in the division, its role as a core laboratory to the Population Center of the Vanderbilt University School of Medicine, and in addition he/she will be expected to develop an independent research program. The candidate will assume associate directorship of the Steroid Core Laboratory of the Population Center at Vanderbilt.

Applicants are expected to have a Ph.D. degree, and to have had postgraduate training in the field of steroid biochemistry and physiology, and in the area of structure and function of gonadotropins. Faculty appointment will be in the Department of Medicine. The initial appointment will begin 1 September 1978, and the final selection process will include requests for letters of recommendation and an interview with members of the search committee.

Interested applicants please submit curriculum vitae, list of publications, and a personal letter detailing why the applicant considers him- or herself to be qualified. *We shall be happy to consider minority persons and women as candidates for this position.* Correspondence should be addressed to: **Dr. David Rabin, AA-4206 Medical Center, Vanderbilt University School of Medicine, Nashville, Tenn. 37232.**

Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.

BIOCHEMIST, Ph.D., M.D., D.V.M. Opening available spring 1979, New York City. To develop a program in male reproductive physiology; establish and maintain tissue culture laboratory for investigation of testicular metabolism. Three years of relevant postdoctoral training in tissue culture laboratory. *Equal Opportunity Employer.*

Box 230, SCIENCE

BIOLOGY TEACHING POSITION in liberal arts institution beginning 25 August. Undergraduate and graduate programs. Experience and interest in teaching biology to majors and nonmajors. Background in zoology and aquatic biology desirable. Earned doctorate preferred. Application deadline: 19 July. Send résumé, credentials, and letters of recommendation to: **Search Committee, Biology Department, Western State College, Gunnison, Colo. 81230. Equal Opportunity/Affirmative Action Employer.**

MATHEMATICS TEACHING POSITION in liberal arts institution for academic year 1978-1979, beginning 25 August. Assistant/associate professor. Previous teaching and master's degree required. Experience and interest in teaching service courses to nonmajors. Fortran programming capability or elementary education mathematics instruction background desirable. Application deadline: 19 July. Send résumé, credentials, and letters of recommendation to: **Search Committee, Mathematics Department, Western State College, Gunnison, Colo. 81230. Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

BIOCHEMISTRY—NUTRITION

The Department of Medicine, Nutrition Laboratory, University of Florida, Gainesville, Florida, is seeking a person with a Ph.D. and postdoctoral experience for a faculty position. This person will help develop an active research program in nutrition and gastroenterology with particular emphasis on the role of dietary pectin in human nutrition. Send résumé and three letters of recommendation to:

**Dr. James J. Cerda
Director, Nutrition Laboratory
University of Florida Medical Center
Box J-214 JHMHC
Gainesville, Fla. 32610**

TEMPORARY BIOCHEMISTRY POSITION for one full-time or two half-time, to replace faculty member on sabbatical leave from 1 September 1978 to 30 June 1979. Ph.D. and capability of teaching lower division, upper division, and graduate biochemistry courses required. Research interests should coincide or complement ongoing research programs in biochemistry. Send a letter of application, curriculum vitae, and three letters of recommendation to: **Janet Perks, Secretary to the Search Committee, Chemistry Department, Montana State University, Bozeman, Montana 59717 by 15 July 1978. An Equal Opportunity/Affirmative Action Employer.**

BIOLOGICAL SCIENCE, Ph.D., assistant professor to teach comparative anatomy, physiology, parasitology, and zoology. Temporary position. Contact: **Dr. Maurice E. Bailey, Chairman, Division of Science and Technology, Pikeville College, Pikeville, Ky. 41501.**

BIOLOGIST to teach vascular plants: structure and function, molecular biology, and general biology. Instructor or assistant professor level, beginning 1 July 1978. A small liberal arts college in south-central Pennsylvania with a student body of about 1600. *An Affirmative Action/Equal Opportunity Employer.* Send curriculum vitae, transcripts, and two letters of evaluation to: **Dr. Richard M. Lane, Chairman, Department of Biology, Dickinson College, Carlisle, Pennsylvania 17013.**

BUYER

Duke University has an opening for a buyer, B.S. degree or equivalent experience in biomedical, electrical, or mechanical engineering, to purchase all electronic equipment and supplies as they relate to patient care, research, and teaching. Salary: \$12,000 to \$13,000. Send résumés to: **Mary Newman, 2106 Campus Drive, Durham, N.C. 27706 Attn: #789. Duke University is an Equal Opportunity/Affirmative Action Employer.**

THE PIKE CHAIR IN ALCOHOL STUDIES

Neuropsychiatric Institute, University of California, Los Angeles (UCLA), School of Medicine, seeks appropriate candidates for the Thomas P. and Katherine K. Pike Chair in Alcohol Studies, a newly endowed professorship for a distinguished investigator committed to research and teaching in the field of alcoholism. *Equal Opportunity/Affirmative Action Employer.* Send curriculum vitae, bibliography, and five references to:

**Dr. Carmine D. Clemente, Chairman
Pike Search Committee
Brain Research Institute
UCLA School of Medicine
Los Angeles, California 90024**

CHAIRPERSON, DEPARTMENT OF ANATOMY

The University of Cincinnati College of Medicine invites applications and nominations for the position of chairperson of the Department of Anatomy. We are seeking a qualified anatomist with a strong research background and a commitment to ongoing research and to effective medical and graduate education. Send applications or nominations including a curriculum vitae and the names for three letters of recommendation to:

**William K. Schubert, M.D.
Chairman, Search Committee
Children's Hospital
Department of Pediatrics
Cincinnati, Ohio 45229**

POSITIONS OPEN

DIRECTOR, RESEARCH. Pacific Gamefish Foundation (PGF), a newly formed international non-profit research organization based in Honolulu, Hawaii, invites applicants for post of director, research. Incumbent expected to develop and carry out research program on big game fish, keep members and others informed of research and marine affairs developments, and promote Pacific-wide cooperation in these and other activities. Applicants send curriculum vitae and three references to: PGF, 2923 Makalei Place, Honolulu, Hawaii 96815.

FACULTY AND RESEARCH POSITIONS

The College of Mineral and Energy Resources (COMER) of West Virginia University, Morgantown, West Virginia, anticipates approximately 15 openings starting 1 July 1978, for faculty and faculty equivalent research positions in the following fields:

Mining Engineering
Health and Safety Engineering
Petroleum Engineering
Mineral Processing Engineering
Extractive Metallurgy
Environmental Engineering
Rock Mechanics
Explosive Engineering
Mineral Resources Science
Mineral Economics
Geophysical Engineering

Candidates should possess an earned doctorate or equivalent in industrial/research experience. Openings exist in all ranks at salaries ranging between \$15,000 and \$40,000 per annum. *Equal Opportunity Employer.* Send résumé to: Syd S. Peng, Chairman, Faculty Search Committee, COMER, West Virginia University, White Hall, Morgantown, W.Va. 26506.

FACULTY POSITION

Assistant professor (12 months), tenure-track position, beginning fall 1978. Teaching responsibility will be primarily in the areas of immunology and cellular genetics to students in the College of Veterinary Medicine, University of Florida. The position will also involve establishment of an independent research program and participation in the graduate program. The position will be a joint appointment between the College of Veterinary Medicine and the College of Medicine. Laboratory space will be in the Department of Immunology and Medical Microbiology, College of Medicine. Ph.D. is required. Because of the teaching responsibilities in the College of Veterinary Medicine, the D.V.M. would be an asset, but is not required. Curriculum vitae and three letters of recommendation should be sent before 1 August 1978 to:

Dr. K. I. Berns,
Chairman, Search Committee
Department of Medical Microbiology
and Immunology
College of Medicine
J 266 JHMC
University of Florida
Gainesville, Florida 32610

FACULTY POSITION available in Department of Community Medicine, Charles R. Drew Postgraduate Medical School. Must hold M.D. and M.P.H. degrees. Requires at least 3 years of experience in health planning and management. Program development skills and teaching experience desirable. Salary negotiable. Submit curriculum vitae to: Charles R. Drew Postgraduate Medical School, Personnel Office, Trailer #4, 1621 East 120 Street, Los Angeles, California 90059.

NONCONVENTIONAL ENERGY

The Government of the Philippines, Bureau of Energy Development (BED), partially funded by the U.S. Agency for International Development (AID), seeks a **PROJECT COORDINATOR** for an applied research program in nonconventional energy resources. To be stationed in Manila under 3-year contract with the BED starting about 1 November 1978. Salary is negotiable depending on qualifications. Minimum qualifications: graduate degree in engineering, sciences, or other appropriate field, and 5 years of experience in applied, energy-related research. Consideration limited to U.S. citizens. Applications must be received by BED by 31 July 1978. Further details and address for applications are available from:

ASIA/PD (Attention: Jay R. Nussbaum)
Room 622, SA-18
Agency for International Development
Washington, D.C. 20523
Telephone: 703-235-8960

POSITIONS OPEN

The **DEPARTMENT OF CHEMISTRY** at Northern Illinois University is seeking a person with a background in electronics and scientific instrumentation (minimum B.S. in electrical engineering or chemistry) to interact with a research-oriented staff. Experience with the design and maintenance of sophisticated equipment desirable, particularly in the areas of 100-MHz FT NMR, mass spectrometry, minicomputers and instrument interfacing. Interested applicants should send curriculum vitae and at least two letters of reference to: Dr. Charles W. Spangler, Department of Chemistry, Northern Illinois University, DeKalb, Illinois 60115. *An Equal Opportunity/Affirmative Action Employer.*

UNIVERSITY OF BRITISH COLUMBIA HEAD OF DEPARTMENT OF GEOPHYSICS AND ASTRONOMY

Applications and nominations are invited for the above position to be filled by 1 July 1979. The department with a faculty of eight geophysicists and five astronomers is responsible for undergraduate instruction in both fields. Graduate and research programmes are actively pursued in most areas of geophysics, solar-terrestrial physics, and astronomy. Applicants must have a distinguished scientific record in one of the relevant disciplines and administrative experience. Enquiries and applications with curriculum vitae, list of publications, and names of three referees should be sent before 15 August 1978 to: Dean G. M. Volkoff, Faculty of Science, University of British Columbia, Vancouver, B.C., Canada V6T 1W5. Telephone: 604-228-3337. *The University of British Columbia offers Equal Opportunity of employment to qualified male and female candidates.*

HEAD, DEPARTMENT OF ANIMAL SCIENCE

TEXAS A & M UNIVERSITY invites nominations and applications for the position of professor and head, Department of Animal Science. The person in this position provides administrative direction of academic and research programs of the department in the animal and dairy sciences, basic food sciences, and dairy products, seafood, and meat technologies, and statewide leadership and coordination of extension and experiment station programs in the animal, dairy, and related sciences. The department head is an officer of the Agricultural Experiment Station and Agricultural Extension Service as well as the College of Agriculture. Candidates should have a doctorate and professional experience in research and education in animal science, dairy science, nutrition, genetics, physiology, food science (meats or dairy products), or closely related area. Administrative experience is desirable but is not an absolute requirement. Demonstrated ability for leadership and ability to communicate will be important factors in the selection. Knowledge of and experience in the land-grant university are highly desirable. Nominations and applications with current curriculum vitae and names of at least three references should be sent by 20 August 1978 to: H. O. Kunkel, Dean, College of Agriculture, Texas A & M University, College Station, Texas 77843. *Texas A & M University is an Equal Opportunity/Affirmative Action Employer.*

HEAD, DEPARTMENT OF ENTOMOLOGY

TEXAS A & M UNIVERSITY invites nominations and applications for the position of professor and head, Department of Entomology. The person in this position provides administrative direction of the academic and research programs in entomology and closely related sciences, and statewide leadership and coordination of extension and experiment station programs in entomology and related areas of crop, livestock, and public health protection. The head of department is an officer of the Agricultural Experiment Station and Agricultural Extension Service as well as the College of Agriculture. The head also maintains liaison with entomological research groups of SEA, USDA, in Texas. Candidates should have strong appreciation for undergraduate, professional, and graduate teaching programs that span the full spectrum of insects as well as aspects of pest control, appreciation for and demonstrated ability in research, and appreciate extensive involvement in extension programs. Demonstrated ability for leadership and ability to communicate will be important considerations. Nominations or applications with current curriculum vitae and names of at least three references should be sent by 20 August 1978 to: H. O. Kunkel, Dean, College of Agriculture, Texas A & M University, College Station, Texas 77843. *Texas A & M University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

HEAD, DEPARTMENT OF WILDLIFE AND FISHERIES SCIENCES

TEXAS A & M UNIVERSITY has a position vacancy for head of Department of Wildlife and Fisheries Sciences. Candidates should have a doctorate with professional experience in research and education in one or more of the following fields: wildlife ecology and management, fisheries ecology, aquaculture, ecology and vertebrate systematics, and conservation education. While administrative experience is not an absolute requirement, such experience will undoubtedly be important in the selection. Knowledge of and experience in the land-grant system are desirable. The department head is an officer of the Agricultural Experiment Station and Agricultural Extension Service as well as College of Agriculture. Responsibilities are to provide administrative direction for academic and statewide research programs, provide coordination and leadership for statewide extension programs, serve as principal liaison with clientele groups, administer the Caesar Kleberg Research Program in Wildlife Ecology, provide intellectual and philosophical leadership for faculty and students, and develop corollary programs in international contexts. Application, personal résumé, and the names of at least three references should be sent by 20 August 1978 to: H. O. Kunkel, Dean, College of Agriculture, Texas A & M University, College Station, Texas 77843. *Texas A & M University is an Equal Opportunity/Affirmative Action Employer.*

MARINE BIOLOGISTS—FACULTY POSITIONS. Two Ph.D.'s in (i) experimental aquaculture of marine fish and invertebrates and (ii) ecology and physiology of benthic marine invertebrates. Send curriculum vitae to: The Director, Base Oceanográfica Atlântica, Caixa Postal 474, 96200-Rio Grande-RS, BRAZIL.

Marquette University School of Dentistry is seeking a **PHARMACOLOGIST** for its basic science faculty. Must have Ph.D. Responsibilities include teaching and research. Send curriculum vitae to:

Dr. Joseph Abramowitz, Associate Dean
Marquette University School of Dentistry
604 North 16 Street
Milwaukee, Wis. 53233
An Equal Opportunity Employer

PHYSIOLOGIST. Ph.D. or M.D. needed to fill tenurable position in active medical school department. Proven research/teaching ability and steady funding record is more important than field of interest. Apply with curriculum vitae and brief outline of future research plans to: Dr. Martin D. Rayner, Department of Physiology, University of Hawaii, 1960 East West Road, Honolulu, Hawaii 96822. *An Equal Opportunity Employer.*

PHYSIOLOGY—FACULTY POSITION

Tenure-track position available 1 January 1979. Individual should have Ph.D. or M.D. and two or more years of postdoctoral experience. Subspecialty interests sought are muscle, gastrointestinal, or transport mechanisms. Strong research and teaching interests are essential. Send résumé and names, addresses, and telephone numbers of three references to: Norman Briggs, Chairman, Department of Physiology, Medical College of Virginia, Box 608 MCV Station, Richmond, Va. 23298. *An Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL FELLOW IN BIOCHEMISTRY AND CELL BIOLOGY. To study mechanisms of glycosylation of cellular proteins and lipids [see *Biochemistry* 15, 3591 (1976); J. Supram, *Structure* 6, 571 (1977); *Fed. Proc.* 37, 1441 (1978)]. Send curriculum vitae and names of three references before 15 August to: Dr. C. B. Hirschberg, E. A. Dolsy Department of Biochemistry, St. Louis University School of Medicine, 1402 South Grand Boulevard, St. Louis, Missouri 63104. *Equal Opportunity/Affirmative Action Employer, M/F/Handicapped.*

POSTDOCTORAL RESEARCH ASSOCIATE

Ph.D. with background and experience in biochemical/molecular aspects of steroid hormone action to aid in the investigation of specific protein induction in intestine. Knowledge of immunoassay, mRNA isolation and translation and culture techniques helpful. Salary negotiable. Available immediately. Send résumé and names of three references to: Dr. R. A. Corradino, Department of Physical Biology, 720 Veterinary Research Tower, New York State College of Veterinary Medicine, Cornell University, Ithaca, N.Y. 14853. *An Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

FACULTY POSITION

ASSISTANT PROFESSOR—Basic and Clinical Immunology and Microbiology

Applicants must have an M.D./Ph.D. and a relevant background in immunochemistry and immunogenetics. Duties will include directing a research program in serum protein polymorphism including alpha-1-protease inhibitor and teaching responsibilities in the fields mentioned above. Candidates must have demonstrated excellence in research and a continuously high level of productivity confirmed by published scientific material in these areas. Salary range for assistant professor: \$18,165 to \$28,735.

Send curriculum vitae, bibliography, and three letters of recommendation to:

H. H. Fudenberg, M.D.
Professor and Chairman
Department of Basic and Clinical Immunology
and Microbiology
Medical University of South Carolina
171 Ashley Avenue
Charleston, South Carolina 29403

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GENETICIST/ZOOLOGIST. The Department of Zoology anticipates an opening for an instructor or assistant professor who can teach introductory and advanced genetic courses including human cytogenetics. A broad background in zoology with emphasis in physiology is desired. Ph.D. required. Position is available 28 August 1978. Send by 15 July 1978 official undergraduate and graduate transcripts, résumé, and three letters of reference to: **Dr. Sigurd Nelson, Jr., Chairman, Department of Zoology, State University of New York College, Oswego, N.Y. 13126.** An Equal Opportunity/Affirmative Action Employer.

Le Département de biochimie de l'Université de Montréal désire recruter **DEUX PROFESSEURS** ayant une expérience de recherche dans l'un des domaines suivants: chimie physiologique, biochimie du métabolisme ou des défauts métaboliques, génétique biochimique ou mécanismes de la différenciation cellulaire chez les eucaryotes. Les candidats doivent être détenteurs d'un doctorat, avoir complété un stage postdoctoral et parler couramment le français. La tâche inclut l'enseignement de la biochimie aux étudiants de sciences médicales ou paramédicales ainsi qu'aux étudiants du premier, deuxième et troisième cycle en biochimie. La nomination entrera en vigueur le 1er septembre 1978 ou le 1er janvier 1979.

Le Département est rattaché à la Faculté de médecine, à la Faculté des arts et des sciences et à la Faculté des études supérieures. Il offre des programmes conduisant au B.Sc. spécialisé en biochimie ainsi qu'aux M.Sc. et Ph.D.

Les ressources physiques du département comprennent, entre autres, des secteurs de microbiologie, de microscopie électronique, de spectroscopie, de radioactivité et de centrifugation préparative et analytique.

Les candidats éventuels sont priés de faire parvenir leur curriculum vitae à l'adresse suivante au plus tard le 31 juillet 1978:

Comité de sélection
Département de biochimie
Université de Montréal
C.P. 6128, Succursale A
Montréal, Québec, Canada H3C 3J7

INTERNATIONAL LABORATORY FOR RESEARCH ON ANIMAL DISEASES (ILRAD) RESEARCH ASSISTANT

A research assistant is required to operate the institution's Fluorescence Activated Cell Sorter (FACS II). Research is being carried out on trypanosomiasis and theileriosis in modern research facilities located in Nairobi, Kenya. The individual will be working with lymphoid cells and trypanosomes so familiarity with handling cells is essential. Experience in the use of a cell sorter is an advantage but provision will be made for training if necessary. Salary will vary, depending upon training and experience. Perquisites include house allowance, commutation allowance, insurance, vacation leave, pension scheme, and others. Candidates should submit current curriculum vitae describing training and research experience and the names of three references who can be contacted on behalf of their candidacy. These should be sent to:

The Director
ILRAD
P.O. Box 30709
NAIROBI, KENYA

to reach him not later than 30 August 1978.

30 JUNE 1978

MANAGER OF ENVIRONMENTAL RESEARCH

Challenging position in Research & Development Department of progressive New England electric utility located 30 miles west of Boston. Responsibility to plan and manage research programs in areas of current or potential environmental concern to the company, including air, water, and noise pollution, solid wastes and terrestrial ecology. Position requires innovative ability to evolve technical programs which meet broad company goals, as well as ability to interact effectively with people. Graduate degree required in Engineering or Science in an environmental discipline; industry or consulting experience preferred.

Send resume, in confidence, to
Dr. Harold Lurie,
Director of Research & Development.



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Major East Coast manufacturer of automated analytical instruments has an immediate opening for a Manager/Scientist with experience in directing multi-disciplined groups. All resumes and candidates interviewed will be screened for evidence of ability to organize, plan and direct the efforts of immunochemists, engineers and scientists in a R&D program directed towards proprietary products and systems.

Ideal candidate must

Possess a broad knowledge of all areas of immunochemistry and immunology and some proficiency in setting up antiserum production and testing as well as a basic understanding of instrumentation concepts and limitations because of the multi-disciplinary efforts and staffing involved in developing new methods and technologies. Strong communications skills are essential. Will coordinate outside research activities related to this program and supported by the corporation. The academic background can be a PhD or equivalent in Biochemistry, Organic Chemistry or Physics, but the key element is the ability to combine these disciplines towards immunochemistry technology and product development. Reports directly to V.P. Research and Advanced Development.

Our organization provides a generous compensation and benefits package including company-paid profit-sharing.

Send complete CV for consideration including salary requirements to:

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POSTDOCTORAL POSITION for studies of enzymatic catalysis at interfaces, specifically role of lipid-lipid and lipid-protein interactions on hydrolysis of cholesteryl esters. Studies will employ well-defined model systems which mimic atherosclerotic lipid deposits. Stipend: \$13,008. Send curriculum vitae and names of three references to: **Dr. Howard Brockman, Biophysics Section, The Hormel Institute, University of Minnesota, 801 16 Avenue, NE, Austin, Minn. 55912.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately for neurobiologist interested in the neuroanatomical organization of the hypothalamus and/or neural regulation of body weight. Send curriculum vitae to: **Dr. Judith A. Finkelstein Cruce, Northeastern Ohio Universities College of Medicine, Rootstown, Ohio 44272.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH

Several postdoctoral positions are available in the Department of Pathology of Northwestern University Medical School for studies in hemoglobin synthesis, chemical carcinogenesis, plasma lipoprotein metabolism, and cell biology. Interested candidates should send their curriculum vitae and references to:

Dante G. Scarpelli, M.D., Ph.D.
Chairman, Department of Pathology
Northwestern University Medical School
303 East Chicago Avenue
Chicago, Ill. 60611

Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL RESEARCH ASSISTANT in Department of Medicine, 9 a.m. to 5 p.m. Qualified individual with experience in immunology and/or cell membrane study is needed. Ph.D. should be trained in biochemistry. Apply to: **Personnel Department, ST. LUKE'S HOSPITAL CENTER, Amsterdam Avenue and West 113 Street, New York, N.Y. 10025.** An Equal Opportunity Employer, M/F.

UNIVERSITY OF THE WITWATERSRAND JOHANNESBURG DENTAL RESEARCH UNIT RESEARCH POSITION

Applications are invited for appointment to a post at **senior research, research or junior research officer** level on the university establishment within the Dental Research Unit of the South African Medical Research Council and the University of the Witwatersrand. Applicants should state their experience in professional work and in biological research. Although the preference is for an appointee with a dental qualification, persons with medical, science, or veterinary science qualifications will also be considered. The appointment will be on a contract basis.

The salary will be within the following ranges, the initial notch and level of appointment to depend on the qualifications and experience of the appointee:

Senior Research Officer: R8,460 to R11,250 per annum.

Research Officer: R6,300 to R9,180 per annum.

Junior Research Officer: R3,840 to R5,340 per annum.

(A 15½ percent allowance is paid on all salaries.)

The university's policy is not to discriminate in the appointment of staff or the selection of students on the grounds of sex, race, religion, or colour. Further particulars relating to this practice are included in an information sheet obtainable from: **Registrar, University of the Witwatersrand, Jan Smuts Avenue, Johannesburg, South Africa**, with whom applications should be lodged by 15 July 1978.

The Board of Studies in Chemistry and Kresge College, University of California, Santa Cruz (UCSC), invite applications for **SENIOR LEVEL PROFESSOR POSITION** starting academic year 1979-1980. Candidates should be internationally recognized for significant research accomplishments in physical chemistry. Preference will be given to persons with interests in photoprocesses or molecular dynamics, with demonstrated ability to make significant contributions to undergraduate and graduate instructional programs. Appointee will also be a fellow of UCSC's Kresge College and contribute to its academic program, life, and work. Send curriculum vitae and publication list to: **Professor Joseph F. Bunnett, Natural Sciences II, University of California, Santa Cruz, California 95064.**

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POSITIONS OPEN

POSTDOCTORAL POSITION

Postdoctoral position available immediately for a recent M.D. or Ph.D. in physiology, biomedical engineering, or electrical engineering to study the regulation of the kidney microcirculation. Experience in renal physiology or microcirculation preferred. Some knowledge of laboratory computers and digital image processing desirable. Send applications to: **Dr. Donald Marsh, Department of Physiology, University of Southern California School of Medicine, 2025 Zonal Avenue, Los Angeles, Calif. 90033.**

R & D CHEMIST

BIOPHYSICAL RESEARCH CHEMIST—Ph.D. chemist with minimum of 3 years of experience in biophysical research for challenging position in basic physical chemistry. Sound academic background in advanced physical chemistry and thermodynamics and functional skills for the development and application of calorimetry, rheology, x-ray diffraction, water equilibria measurements, and so forth, to food and chemical systems. Some training or research in biopolymers, colloid or food chemistry desirable.

Outstanding corporate research facility in north suburban Chicago.

Send confidential résumé, with salary requirements, to: **Director of Personnel Administration,**



Research & Development
801 Waukegan Road
Glenview, Illinois 60025

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A RESEARCH ASSISTANT PROFESSORSHIP is available for an individual with a Ph.D. in physiology and demonstrable research experience in: (i) the study of ion transport by epithelial tissues in vitro, (ii) electrophysiology, employing intracellular microelectrodes, and (iii) electrical engineering and computer sciences. Only individuals who meet all of these qualifications should apply to: **Dr. Stanley G. Schultz, Department of Physiology, University of Pittsburgh, School of Medicine, Pittsburgh, Pa. 15261.**

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RESEARCH PHYSICAL OCEANOGRAPHER, recent or imminent Ph.D., strongly committed to research and with field experience, required to lead basic research programme on physical oceanographic conditions of marine areas off Venezuela's central coast, within a larger multidisciplinary project. Appointment for 1 year but will likely be for 2 years; salary negotiable. Available: 1 July. Send complete résumé to: **Dr. J. A. Galavis, Director, Instituto de Tecnología y Ciencias Marinas (INTECMAR), Universidad Simón Bolívar, Apartado Postal 80659, Caracas 108, Venezuela.**

RESEARCH POSITION. Postdoctoral position available in ophthalmology and vision research at major medical center. Two-year joint program with Harvard School of Public Health leading to master's of science in epidemiology, supported by an NIH training grant. Send curriculum vitae to: **Dr. Bernard Schwartz, Chairman and Professor, Department of Ophthalmology, TUFTS NEW ENGLAND MEDICAL CENTER, 171 Harrison Avenue, Boston, Mass. 02111.** An Equal Opportunity Employer, M/F.

The Purdue University Department of Psychological Sciences will have an opening for a **SENIOR PROFESSOR** in 1979. Our primary interest is in a distinguished physiological psychologist who is recognized as a leader in the field. We will also consider applications from distinguished senior investigators in other areas of experimental psychology. Please contact: **Dr. Gerald S. Wasserman, 1291 Cumberland Avenue, West Lafayette, Ind. 47906.** Purdue University is an Equal Opportunity/Affirmative Action Employer.

TRAINEESHIPS

POSTDOCTORAL TRAINEESHIP BIOSTATISTICS—INSTRUMENTATION

One traineeship available 1 July 1978 at the Donner Laboratory, Lawrence Berkeley Laboratory, University of California, for research in the area of lipoprotein methodologies and biomedical applications. The National Research Service Awards pay \$10,000 to \$13,000 per annum, depending on experience. Training and research experience will be carried out in the context of an NIH program project which covers the areas of basic research in lipoprotein structure and metabolism, including: lipoprotein analytic ultracentrifugation, enzymology, electron microscopy, and clinical and basic research in lipoprotein metabolism.

The four participating professionals include: **Doctors T. Forte, R. Krauss, F. Lindgren, and A. Nichols.**

Background in statistics programming, instrumentation, and biomedical sciences desired. U.S. citizens or permanent residents are eligible to apply. Send résumé, transcripts, and names and phone numbers of two references to:

Dr. Trudy Forte
Donner Laboratory
Lawrence Berkeley Laboratory
University of California
Berkeley, California 94720
Telephone: 415-843-2740, extension 5567
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FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS IN IMMUNOLOGY are available immediately and for 1979 through the Division of Immunology, Department of Microbiology and Immunology, Duke University Medical Center. Training is offered in cellular immunology, human immunogenetics, tumor immunology, cell surface immunochimistry, and clinical immunology. Fellowships are open to American citizens and foreign nationals with permanent U.S. resident visa holding the Ph.D., M.D., or equivalent degree who have had less than 3 years of postdoctoral experience. Send letters of inquiry to: **Dr. E. G. Reisner, Box 3010, Duke University Medical Center, Durham, N.C. 27710.**

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POSTDOCTORAL FELLOWSHIP IN GENETICS is available, to start 1 September 1978, with emphasis on tumor virology and DNA sequencing. Send inquiries, curriculum vitae, and references to: **Theodore Friedmann, M.D., Department of Pediatrics, University of California, San Diego, La Jolla, Calif. 92093.**

A 2-year **POST DOCTORAL FELLOWSHIP** is available starting 1 July 1978. Background in biology, engineering, physics, or anthropology is preferred. Research training is available in: (i) mathematical modeling and computer simulation for facial growth bone dynamics; (ii) determination of systems from orthodontic appliances, including metallurgy, design, transducer techniques; (iii) biological response of bone and connected tissue to stress; and (iv) study of muscle activity and forces during oropharyngeal function. Stipends are dependent on experience beyond the doctoral degree and start at \$10,000. Send curriculum vitae to: **Professor Sam Weinstein, Department of Orthodontics, University of Connecticut Health Center, Farmington, Conn. 06032** An Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIPS. The Interdisciplinary Training Program (ITP) supporting research in basic sciences related to mental health announces 2-year training positions to start fall 1978, in the area of biogenic amines and their relationship to functions such as sensation, food intake, pain modulation, and enduring synaptic changes. Applicants should have some background in relationships between basic biological sciences and behavior, and have an M.D., D.V.M., or Ph.D. in a basic or behavioral science. Send curriculum vitae to: **Dr. H. V. S. Peeke, Director, ITP, Department of Psychiatry, University of California, San Francisco, Calif. 94143.** An Equal Opportunity Employer.

Biochemistry

This attractive career opportunity at the Ph.D. Senior Scientist level will involve studies in receptor methodology and allied techniques. Candidates must offer post-doctoral experience specifically relevant to our needs, with educational preparation in Biochemistry, Physiology or Pharmacology.

Physiology

A second career-type appointment is available in inflammatory disease studies. Candidate should have a Ph.D. with at least 2 years of applicable experience. Position responsibilities will involve a cooperative effort toward developing new approaches to the understanding and treatment of inflammatory diseases.

Our modern research center is located in suburban Bloomfield, New Jersey with easy accessibility to New York City and more rural areas of New Jersey and Pennsylvania. Our benefits are attractive.

Interested applicants should write to: Manager of Research Employment, Schering-Plough Corporation, 60 Orange Street, Bloomfield, New Jersey 07003.



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Associate Dean of the Graduate School at the University of Colorado Medical Center

A search is being conducted for an associate dean of the Graduate School at the University of Colorado Medical Center. This campus of the university offers PH.D. and master's level graduate school programs in the basic health sciences. These include doctoral programs in: anatomy, biochemistry, biometrics, biophysics and genetics, microbiology and immunology, pathology, pharmacology, and physiology. UCMC master's level programs include: anatomy, anesthesiology, biochemistry, biophysics and genetics, child health associate, health administration, medicine, microbiology and immunology, nursing, obstetrics and gynecology, pediatrics, physical medicine and rehabilitation, physical therapy, physiology, preventive medicine, psychiatry, radiology, and surgery. These programs are considered part of the university-wide Graduate School.

Responsibilities of the Associate Dean

The responsibilities of this individual as the administrator of all UCMC Graduate School programs will include administering and evaluating existing programs, planning for the development of appropriate new programs and serving as UCMC representative in university-wide and other appropriate institutional activities relevant to graduate education. As associate dean, this individual reports directly to the Dean of the Graduate School and to the Chancellor for Health Affairs. Close liaison with UCMC deans and department chairpersons will be required in order to assure that their needs, programs, and interests with respect to graduate education are represented properly. Responsibilities will be supplemented as needed through special project assignments and duties as assigned from time to time by the chancellor.

Qualifications

Applicants must have earned a doctorate or equivalent professional degree. Consideration will be given to candidates who have exhibited evidence of scholarly activity, have experience with graduate education, demonstrate a commitment to excellence, and display the ability to communicate effectively with students, faculty, and administrators. Administrative experience is preferred but not required. Qualifications of the individual must be such as to assure the committee that the individual will be acceptable as a tenured associate professor or full professor by an appropriate department or school.

Application Information

Applicants should send letter of interest with résumé, letters of recommendation, and other supporting information to: **Dr. Norman Weiner, Chairperson, UCMC Graduate Associate Dean Search Committee, Department of Pharmacology, Box C236, University of Colorado Medical Center, 4200 East Ninth Avenue, Denver, Colorado 80262.** Applications must be received by 1 September 1978.

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

Jet Propulsion Laboratory California Institute of Technology CHIEF SCIENTIST

The Jet Propulsion Laboratory, California Institute of Technology, invites applications for the position of Chief Scientist.

The Laboratory, operated by the California Institute of Technology under contract with NASA, carries out NASA's planetary exploration program, participates in NASA's Applications program, and is active in the Department of Energy solar energy programs. Scientists at JPL are engaged principally in scientific experimentation from planetary and earth-orbiting spacecraft, and in research related to space science and technology, and energy and information technology.

The Chief Scientist reports to the JPL Director, serving as the Director's principal advisor on the scope and conduct of scientific research at JPL, on policies affecting JPL scientists, on scientific support for JPL programs, and on relationships between JPL and the scientific community. He acts as a focal point for JPL scientists and for outside scientists involved in JPL activities.

Candidates should possess recognized scientific credentials, and be capable of dealing with leadership and policy issues. It is expected that the Chief Scientist will devote a portion of his time to his own research program, either at JPL or at the Caltech campus.

Please send resume to:

Dr. C. R. Gates, Chairperson, Search Committee

Jet Propulsion Laboratory

California Institute of Technology

4800 Oak Grove Drive

Pasadena, California 91103

Sr. Research Chemists ...PhD's

Merck & Co., Inc., an acknowledged pacesetter in the field of pharmaceuticals and specialty chemicals seeks:

- **THEORETICAL ORGANIC CHEMIST** Requires PhD in theoretical organic chemistry plus minimum 2 years related post doctoral experience. Must have proven ability to instruct experimental chemists in a wide variety of theoretical methods and collaborate with them in solving chemical problems involving large molecules of biochemical interest. Must be able to develop new computational methods where appropriate. Familiarity with IBM computers and knowledge of FORTRAN is required.
- **ORGANIC CHEMIST** Requires PhD in organic chemistry plus minimum 1 year post doctoral experience. Must have proven research productivity both in organic synthesis and in design and assay of enzyme inhibitors. Must have broad background in enzymology and enzyme mechanisms in addition to sound training in methods of organic synthesis.

Both positions are based at our research laboratories in Rahway, New Jersey. Hours are from 8:30 am-5pm Mon.-Fri. Salary range is from \$1,802 to \$2,816/month. We will respond only to those candidates whose applications meet all the above requirements. Please send resume to Employment Supervisor (Technical)



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