

Personnel Placement

POSITIONS WANTED

Anatomist, Ph.D. Seeks teaching position in neuroanatomy and gross anatomy. Accomplishments in neuroscientific research. Member of AAA. Box 111, SCIENCE. X

Biochemist/Cell Biologist: Ph.D. 1975 in microbial membrane isolation and characterization (biochemical and ultrastructural), teaching experience; 2 years of postdoctoral experience in mammalian lipid biochemistry (normal and neoplastic cultured epithelial cells). Seeking research or academic position. Prefers New England area. Box 101, SCIENCE. 3/31; 4/7

Biomathematician. Ph.D. (mathematics), M.S. (biology), research (4 years), teaching (4 years), and consulting (2 years) experience. Expertise in scientific programming, statistical and signal analyses, kinetics, transport, fluctuations in membranes and muscle, spectroscopy, ultrasonic imaging, cardiovascular dynamics, nonlinear systems, and modeling generally. Publications in these areas. Seeking challenging industrial/academic position. Box 100, SCIENCE. X

Cell Biologist, Ph.D. 1977. Seeks research/teaching. Dissertation on the effects of ICR compounds on HeLa cells. Considerable experience in electron fluorescence, Nomarsky phase contrast microscopy, tissue culture, cytochemical, histochemical, and radioimmunoassay techniques. Available. Intends to apply for permanent visa. Box 107, SCIENCE. X

Diagnostic Immunologist, Ph.D. Proven track record. Eight years of industrial experience in all aspects of development of diagnostics (experienced from idea inception through research and development, licensing, and quality assurance). Box 105, SCIENCE. X

Epidemiologist. Dr. P.H. with M.P.H. (biostatistics) and 8 years of biostatistical experience in pharmaceutical industry. Dissertation on long-term health effects of a natural disaster. Presently senior medical biostatistician. Desires position utilizing epidemiology training and offering supervisory or management responsibilities. Academic training in both chronic disease epidemiology and disaster epidemiology. Box 94, SCIENCE. 3/31; 4/7

Earth Scientist. Employment interests, credentials, and ice-sheet tectonics synthesis are detailed in SUBDUE THE EARTH (Delacorte). R. F. Walworth, P.O. Box 11711, St. Petersburg, Fla. 33733. Telephone: 813-360-4947. 3/31; 4/7, 14, 21, 28; 5/5, 12, 19, 26; 6/2

Information Systems. M.A., M.P.A., Ph.D.(ABD) 1965. Experience in statistical analysis and coordination in large medical studies, information system development, math and biostatistics and computer programming teaching, operations research in policy analysis, budgeting and grants. Degrees in statistics, administration, and physiology/zoology. Seeking research, administrative, and/or teaching position. Box 104, SCIENCE. X

M.D., Ph.D. (Biochemistry) seeks overseas post with drug firm. Interested in searching for, and analyzing extracts of, rare plants for compounds of medical interest. Extensive laboratory experience in steroid field. In good health, willing to go anywhere for extended periods. Box 93, SCIENCE. X

Medical Physicist, Ph.D. 1972. Extensive experience in neutron activation analysis, whole body counting, tracer kinetics, photon absorptiometry, and compartmental modeling. More than 40 reviewed publications. Current research: in vivo measurement of heavy metals in man. Seeking an academic/research position. Box 109, SCIENCE. X

Tumor Immunologist-Biochemist. Ph.D. 1970 Assistant professor teaching immunology and tumor cell biology. Has grant support. Publication in tumor virus induced membrane antigens, immunochemistry or transplantation antigens, altered tissue culture properties of virally transformed cells. Seeks academic or industrial position with increased research time. Box 108, SCIENCE. X

POSITIONS WANTED

Microbiologist/Zymologist. Ph.D.—M.P.H. Industrial, research, and teaching experience. Excellent publications. Highly motivated. Looking for health-related position. Box 102, SCIENCE. X

Natural Resource Statistician. Ph.D. 1975. Strong background in sample design, survey methodology, and data analysis. Five years of experience in natural resource and agriculture surveys with federal government. Experienced teacher. Sound programmer experienced in statistical packages. Seeking responsible position in survey organization collecting natural resource or agriculture information. Box 110, SCIENCE. 3/31; 4/7, 14

Phycologist. M.S. 1977. Seeks research or teaching position. Has college teaching and research experience with publications and training in scanning and transmission electron microscopy. Curriculum vitae and references upon request. Box 88, SCIENCE. 3/31; 4/7

Physicist, Ph.D. (1972). Research and teaching experience in nuclear physics, general geophysics, and oceanography; publications. Fluent in English and French. Seeks research/teaching position in applied/pure geosciences. Will relocate, available fall 1978. Résumé on request. Box 103, SCIENCE. X

Teaching Position desired: biomedical sciences. Ph.D. pharmacology/physiology; M.S. zoology/psychology; B.S. biology. Ten years of experience, industrial drug research and part-time teaching. Desires full-time teaching position at small to mid-sized college; Southwest or Southeast only. Box 106, SCIENCE. X

POSITIONS OPEN

UNIVERSITY OF HAWAII

Two assistant professors, appointed from among: **volcanologist**: geologist or geophysicist with research interest such as geothermal exploration and resources, volcano monitoring, structure of volcanic edifices, or eruptive mechanisms; **marine geophysicist**: interest in theoretical geophysics, magnetics, or multi-channel reflection profiling; **applied geologist or geophysicist**: emphasis in applied geophysics, rock and soil mechanics or other engineering geology, or resource assessment. Tenure-track appointments jointly in Department of Geology and Geophysics and Hawaii Institute of Geophysics (HIG). One appointee must be competent and willing to offer courses in structural geology. Selections will be based on teaching abilities and willingness to participate in research programs of the institute. Ph.D. and research record necessary. For fall 1978 consideration, send within 2 weeks of this issue's date: statement of teaching and research interests, résumé, and names of three references to: **GG-HIG Search Committee, University of Hawaii, 2525 Correa Road, Honolulu, Hawaii 96822. An Affirmative Action/Equal Opportunity Employer.**

Applications are invited for the position of **ASSISTANT PROFESSOR**. Appointee will be expected to teach a graduate-level course in virology (animal viruses and bacteriophage) and to initiate and direct an active research program. Send curriculum vitae and list of references to: **Dr. W. K. Joklik, Department of Microbiology and Immunology, Duke University Medical Center, Durham, North Carolina 27710** by 21 April 1978. *Duke University is an Affirmative Action/Equal Opportunity Employer.*

Applications are invited for the position of **ASSISTANT PROFESSOR**. Appointee will be expected to teach a graduate-level course in molecular cell biology/genetics and to initiate and direct an active research program. Send curriculum vitae and list of references to: **Dr. W. K. Joklik, Department of Microbiology and Immunobiology, Duke University Medical Center, Durham, North Carolina 27710**, by 21 April 1978. *Duke University is an Affirmative Action/Equal Opportunity Employer.*

BIOLOGY. Temporary opening for 1 year for Ph.D. in physiology. Duties will include teaching general physiology in the fall, and an advanced course plus a portion of general zoology in the spring. Send application, curriculum vitae, and three letters of reference to: **D. G. Dillery, Department of Biology, Albion College, Albion, Michigan 49224.**

POSITIONS OPEN

ANATOMY. The University of California, Riverside/University of California, Los Angeles Program in Biomedical Sciences, which offers an accelerated M.D. curriculum jointly, has an opening in **anatomy** at the **assistant professor** level. Primary teaching responsibilities will be in gross anatomy with preference given to individuals who can participate to a limited extent in teaching medical physiology. Applicants are expected to develop an independent research program. *The University of California is an Affirmative Action/Equal Opportunity Employer.* Send curriculum vitae and references to: **Dr. Richard T. Lohl, Chairman, Anatomy Search Committee, Program in Biomedical Sciences, University of California, Riverside, California 92521.**

Applications are invited for positions in the **DEPARTMENT OF ANATOMY** at the University of South Dakota School of Medicine. Appointees will be required to assist in the teaching of one or more of the following: gross anatomy, microanatomy, or neuroanatomy, possibly with a small commitment to undergraduate (college level) teaching. Applicants should have demonstrated ability to conduct original research. Ph.D. or M.D. degree required; postdoctoral experience, prior teaching experience preferred. Salary and rank subject to qualifications and experience. Seed funding for research available. Starting date: 1 July to 15 August 1978. Closing date: 30 April 1978. Interested applicants should submit curriculum vitae, statement of research interest and experience, and names of three references to: **Department of Anatomy, School of Medicine, University of South Dakota, Vermillion, South Dakota 57069. Equal Opportunity Employer.**

ASSISTANT DIRECTOR, Ohio Agricultural Research and Development Center, Wooster, Ohio. Opening 1 May 1978. Requirements: Ph.D. degree in a plant science discipline, agricultural engineering, or natural resources with experience in agricultural research, teaching and/or extension activities. Applicant must have demonstrated ability and interest in research administration. Forward nominations or letters of interest with résumé by 3 April to: **Dr. Charles Johnston, Ohio Agricultural Research and Development Center, Wooster, Ohio 44691. An Equal Opportunity/Affirmative Action Employer.**

GEOSCIENCE DEPARTMENT Hobart and William Smith Colleges

ASSISTANT PROFESSOR. Applications are invited for a faculty position to teach at the undergraduate level. Applicants should have the Ph.D. with a specialization in mineralogy, petrology, or structural geology, which will be the primary teaching responsibilities of the position. The successful applicant will be expected to initiate and develop research programs and also to participate in the colleges' general curriculum which incorporate undergraduate participation. The position will exist for 4 years and will be reviewed in the third for extension. Submit résumés and references to: **W. F. Ahrnsbrak, Chairman, Geoscience Department, Hobart and William Smith Colleges, Geneva, New York 14456; or see Ahrnsbrak at AGU Miami meeting.**

These colleges are an Equal Opportunity Employer.

ASSISTANT PROFESSOR IN VERTEBRATE PHYSIOLOGY

The position includes teaching and research responsibilities and the direction of graduate student research beginning 15 August 1978. Applicants should have Ph.D. training in vertebrate systems physiology and a strong background in zoology. The primary research and teaching responsibilities will be in vertebrate physiology. Please submit transcripts, curriculum vitae, and details of research and teaching interests to: **Physiology Search Committee, Department of Zoology and Physiology, Louisiana State University, Baton Rouge, La. 70803. Deadline: 1 May. An Equal Opportunity/Affirmative Action Employer.**

BIOLOGY DEPARTMENT: permanent opening beginning September 1978 at the instructor or assistant professor rank. Salary rank: \$11,000 to \$13,300. Primary duty will be to teach general biology at the Armstrong Branch Campus. Must possess research interests which can be pursued with the facilities available at a branch campus. Doctoral degrees preferred. Teaching experience with non-majors preferred. Send applications to: **Chairman, Search Committee, Biology Department, Indiana University of Pennsylvania, Indiana, Pa. 15701** by 7 April 1978. *An Affirmative Action/Equal Opportunity Employer*

FLORIDA INTERNATIONAL UNIVERSITY



ANNOUNCES THE POSITION OF DIRECTOR, DRINKING WATER QUALITY RESEARCH CENTER (DWQRC)

The director will be responsible for planning, organizing, and supervising the DWQRC's personnel and laboratories to accomplish its objectives of water-related research, education, and service. Individual should be a recognized leader in an appropriate academic discipline; have participated in related research endeavors; have appropriate administrative experience; be able to represent the center and university during interactions with the community, governmental agencies, granting agencies, private businesses, industries, and the general public; and be able to provide dynamic leadership for the current research level and future growth.

Academic qualifications should enable a concurrent tenure-earning appointment as an associate or full professor in the College of Arts and Sciences or the School of Technology.

This is a 12-month appointment with salary up to \$35,000, dependent upon experience and qualifications.

Position available 1 July 1978.

Forward inquiries, nominations, and applications by 1 May 1978 to:

Dr. Robert W. Ellis, Jr., Dean
School of Technology
Florida International University
Miami, Florida 33199

An Equal Opportunity/Affirmative Action Employer.
A member of the State University System of Florida.

EGYPTIAN R & D MANAGEMENT

A Washington, D.C.-based scientific institution seeks candidates for two senior advisory positions in industrial research management which will be located in Cairo for a 22-month period. Minimum qualifications for both positions include Ph.D. or equivalent experience in physical sciences, engineering, or applied biology; postdoctoral teaching and research in area of specialty for at least 5 years; 10 years minimum research management at senior level in industry, government, or private R & D institution, preferably including developing country experience. Must be adaptable to conditions of living abroad in non-U.S. governmental status.

SENIOR ADVISER TO EGYPTIAN ACADEMY OF SCIENTIFIC RESEARCH AND TECHNOLOGY

Responsibilities will include training senior personnel in R & D management; advising on research planning and management; assisting in evaluation of proposed projects; and coordinating manpower for a U.S./Egyptian bilateral scientific program.

SENIOR ADVISER TO NATIONAL RESEARCH CENTER

Responsibilities will include planning and selecting new projects in context of national social and technical development priorities, R & D management training and R & D programs, and assisting adviser to Egyptian Academy to coordinate bilateral program. Educational qualifications stated above may be in combination with economics.

Salaries approximately \$40,000 to \$45,000 per year. Please submit résumé in confidence to **Box 98, SCIENCE. An Equal Opportunity Employer.**

POSITIONS OPEN

ASSISTANT PROFESSOR OF BIOLOGY CITY UNIVERSITY OF NEW YORK

Hunter College of the City University of New York invites applications for this position from individuals with strong training and interest in research in the area of eukaryote cell biology or immunology.

The department has a faculty of 20 members and occupies modern research laboratories at a midtown Manhattan campus. Participation in the training of doctoral students is expected as well as a strong commitment to undergraduate and graduate teaching. Please send curriculum vitae and the names of three references to: **Professor Richard C. Mawe, Chairman, Biology Search Committee, P.O. Box 344, 695 Park Avenue, New York, New York 10021. Hunter College is an Equal Opportunity Employer.**

ASSISTANT PROFESSOR IN HEALTH SCIENCES. Earned doctorate in pharmacology with training and interest in human physiology. Teaching experience in medical school and/or allied health is essential. Available September 1978. Salary range: \$12,000 to \$19,000. This is a teaching position with opportunity to teach and advise at the graduate and undergraduate levels. Primary courses may include basic pharmacology, cell biology, cellular mechanisms of drug action, and human physiology, with other courses to be developed. Research opportunities are limited. Mail letter of application and résumé to: **Dr. Brian K. Lewis, Chairman, Pharmacologist Search Committee, School of Health Sciences, Grand Valley State College (GVSC), Allendale, Michigan 49401.** Application deadline is 1 May 1978. *GVSC is an Equal Opportunity/Affirmative Action Institution.*

BIOLOGIST. Share duties of a two-person department offering an undergraduate major. A full-time, tenure-track position starting 31 August to teach beginning biology, genetics, and advanced botany/field biology courses. The ability to participate in cross-disciplinary courses involving chemistry is desirable. Primary selection criteria include near or final completion of the doctorate, commitment to teaching, and compatibility with the mission of the small, liberal arts, church-related college. Salary is negotiable within a \$11,500 to \$12,500 range for 9 months. Send curriculum vitae, résumé, and three letters of recommendation by 21 April to: **Academic Dean, Midland Lutheran College, Fremont, Nebraska 68025.** *An Affirmative Action/Equal Opportunity Employer.*

BIOMETRICIAN. Visiting assistant or associate professor; 1-year appointment. Duties are consulting with agricultural and biological scientists, research, and teaching. Require Ph.D. with major or minor in statistics; prefer person with background in biology or agriculture and experience in consulting and teaching. Send curriculum vitae, transcripts, and four letters to: **Dr. G. E. Shook, University of Wisconsin, 1675 Observatory Drive, Madison, Wisconsin 53706.** Applications accepted until 20 April or until position is filled. *An Equal Opportunity/Affirmative Action Employer.*

Ph.D. BIOSTATISTICIAN, in the Department of Epidemiology, to join a department staff of seventy including M.D., M.P.H. (epidemiology), Ph.D. (computer science), Ph.D. (biomathematics), and a multidisciplinary group of master's-level personnel. To work with physician investigators' retrospective analyses on the institution's large patient data base maintained by the department. Two to 4 years postdoctoral experience, with interests in disease classification, population surveillance, data retrieval methodology, development of large data bases, and inter-institutional cooperative studies. Competitive salary and extensive benefits program. Please send curriculum vitae to: **Supervisor of Staff Employment, The University of Texas System Cancer Center, M. D. Anderson Hospital and Tumor Institute, 6723 Bertner Avenue-Suite 112, Houston, Texas 77030.** *An Equal Opportunity/Affirmative Action Employer.*

CELL AND MOLECULAR BIOLOGIST: assistant professor position. Training in cell and molecular biology essential. Responsibilities include undergraduate and graduate instruction and research. Send curriculum vitae, including research plans, reprints, and three letters of reference, to:

Search Committee
Department of Biology
University of Pennsylvania
Philadelphia, Pa. 19104

Deadline for application: 20 April 1978.
An Equal Opportunity Employer

POSITIONS OPEN

BOTANICAL SCIENTISTS AIR POLLUTION RESEARCH AND ENVIRONMENTAL ASSESSMENT

Energy Impact Associates, Inc. (EIA), formerly Westinghouse Environmental Systems Department, has staff positions open at the technologist and scientist level for plant scientists with experience in evaluating air pollution effects on vegetation. Applicants should have a demonstrated competence in chemistry, plant physiology, air monitoring equipment, and experimental design. A basic knowledge of ecology and taxonomy is desirable. Ph.D. is required for senior level position. Position and salary are commensurate with education and experience.

Interested parties should send résumé, transcripts, salary history, references, and an outline of experience and research interests to:

RICHARD B. PAULIN, MANAGER
Human Resources
P.O. Box 1899
Pittsburgh, Pa. 15230
An Equal Opportunity Employer

CHAIRPERSON

Full-time faculty position, to assume leadership of a newly organized Department of Clinical Psychology and establish a research program in neuropsychology/neuropsychology and experimental psychopathology. Teaching of students in psychology, psychiatry, undergraduate medicine, and basic science. Candidates must have a Ph.D. in psychology. Postdoctoral training in neuropsychology/neuropsychology preferred. Established research record, teaching, clinical, and administrative experience required.

Faculty rank and salary appropriate to credentials. *Affirmative Action/Equal Opportunity Employer.*

Send inquiry and curriculum vitae to:

Michael Alan Taylor, M.D., Chairman
Search Committee
Department of Psychiatry and Behavioral Sciences
University of Health Sciences/The Chicago
Medical School
Building 50
North Chicago, Illinois 60064

CHAIRPERSON, ANATOMY. The University of Mississippi Medical Center seeks qualified candidates for chairperson of the Department of Anatomy. The Medical Center includes Schools of Medicine, Nursing, Health Related Professions, and Dentistry, and graduate programs in the health sciences. Candidates for the anatomy chair should have significant teaching and research achievements and administrative experience. Send curriculum vitae to: **A. F. Haerer, M.D., Chairman, Anatomy Search Committee, University of Mississippi Medical Center, 2500 North State Street, Jackson, Miss. 39216.** *Equal Opportunity Employer, M/F.*

BIOLOGY: CHAIRPERSON

East Tennessee State University is seeking a biology chairperson to assume the position 1 September 1978. Applicants must possess the Ph.D. and should have a broad view of the biological sciences in order to provide vigorous intellectual leadership in the department. Additionally, the successful candidate must have proven ability to conduct a sustained program of original research as well as an interest in training students at the undergraduate and graduate level. Administrative experience is desirable. Interested, qualified persons should submit curriculum vitae, a statement of research interests, copies of relevant publications, and the names and addresses of three references to:

Personnel Office
P.O. Box 24070A
East Tennessee State University
Johnson City, Tenn. 37601

Review of applications and supporting data will begin 15 May 1978, and continue until the position is filled. *An Equal Opportunity/Affirmative Action Employer, M/F.*

CHEMIST—Broadly trained in chemistry with interest and training experience in organic and biochemistry. Emphasis on teaching abilities. Expected load may include teaching nursing students and non-science majors as well as science students. Must be willing to teach in the evening program. Ph.D. desired. Salary: \$13,000 to \$16,000 academic year. Send curriculum vitae, transcripts, and three letters of recommendation to: **David E. Taylor, Chairperson, Science Division, University of South Carolina at Spartanburg, Spartanburg, S.C. 29303.** *The University of South Carolina at Spartanburg is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

CHEMISTRY POSITIONS (TWO)

FACULTY POSITIONS. Visiting professorship in organic chemistry 1978 to 1979, leading to tenure-track position. Open rank; senior preferred. Ph.D. to teach and develop undergraduate organic program for science majors, premedical, and predoctoral students. Experience in biochemistry and instrumentation. Quality teaching and research experience. Assistant professor, fall 1978. Analytical and inorganic, tenure-track position. Ph.D. to teach and develop undergraduate analytical, inorganic, instrumental, and general courses. Quality teaching and research expected. Salaries commensurate with qualifications. Send résumé, including statements about teaching philosophy and research interests and names of at least three references (for our contact), to: **Keith E. Lorentzen, Chairman, Chemistry, Indiana University Northwest, 3400 Broadway, Gary, Ind. 46408**, by 25 April. *An Equal Opportunity/Affirmative Action Employer.*

COMPUTER/ELECTRONICS SPECIALIST. Exceptionally qualified person to establish and direct PDP-11 minicomputer network, including DECLAB 11/34 system and several 11/03 microcomputer satellites. Responsibilities include: implementing initial system software, developing software package to run and analyze psychology experiments, writing other specialized programs, designing interfaces for peripheral devices. Experience with PDP-11 family and solid electronics background necessary; experience with psychology applications preferable. Salary negotiable. Write: **Chairman, Psychology Department, Mezes Hall 330, University of Texas at Austin, Austin, Texas 78712.** *An Equal Opportunity/Affirmative Action Employer.*

POSITION IN CRYPTOGRAMIC BOTANY

Applications are invited for a position as **instructor or assistant professor of biology** with teaching emphasis in phycology, mycology, and nonseed plants. Additional courses will include introductory biology and graduate courses within the individual's expertise. A Ph.D. is required, and a research program will be expected. Send curriculum vitae and a statement of teaching and research interests to: **Dr. Gary R. Lipton, Department of Biology, P.O. Box 940, Trenton State College, Trenton, N.J. 08625.** Application deadline is 30 April 1978. *An Equal Opportunity/Affirmative Action Employer.*

DIRECTOR OF ANIMAL TUMOR RESEARCH FACILITY (ATRF)

The University of Rochester Cancer Center, University of Rochester School of Medicine and Dentistry, is seeking a **DIRECTOR** for its Animal Tumor Research Facility (ATRF), available to start 1 July 1978. The appointment will be at an academic rank commensurate with the applicant's experience and will be a joint appointment in the most appropriate pre-clinical or clinical department of the Medical School. The director is responsible for supervision of the ATRF, which functions as a central service of the center for acquisition, maintenance, and manipulation of experimental animal tumors. Applicants should have qualifications and interests in tumor morphology and are expected to engage in research, preferably directed towards animal tumor systems, and to provide consultation for other Cancer Center investigators using animal tumor systems. Applicants should submit curriculum vitae and three references to: **Dr. Russell Hilf, Chairman, Search Committee, Department of Biochemistry, University of Rochester School of Medicine and Dentistry, 601 Elmwood Avenue, Box 607, Rochester, New York 14642.** *An Equal Opportunity/Affirmative Action Employer.*

DIRECTOR. New institute on campus of University of Hawaii. Co-sponsored by federal and state governments. Institute conducts research in marine and atmospheric sciences. Applicant should have broad background in, and be generally conversant with, theoretical and applied research in marine, atmospheric, and earth sciences. Initial fields of research in institute include tsunamis, tides, air-sea interaction, equatorial circulation studies, and climate. Preference will be given to those of national and/or international stature. Initial term: 1 year, full professor, tenurable. Send curriculum vitae and summary of research interests to: **Chairman, Search Committee, Joint Institute for Marine and Atmospheric Research (JIMAR), University of Hawaii, 2525 Correa Road, Honolulu, Hawaii 96822.** Closing date: 1 May 1978; approximate date of hire: 1 September 1978.

POSITIONS OPEN

CLINICAL PATHOLOGIST. Expertise in any of the branches of laboratory medicine. Requirements include Board-certification, demonstrated managerial capability, and strong academic achievement commensurate with a faculty rank of associate or full professor. Please submit curriculum vitae and letters of reference to: **George P. Studzinski, M.D., Ph.D., Professor and Chairman, Department of Pathology, College of Medicine & Dentistry of N.J., N.J. Medical School, 100 Bergen Street, Newark, N.J. 07103.** *Equal Opportunity/Affirmative Action Employer.*

DIRECTOR OF RESEARCH.—The University of Texas Health Center at Tyler seeks M.D.-M.D.-Ph.D. with experience in the frontiers of chest disease research. Candidates should exhibit leadership capabilities, ability to work with people, and familiarity with clinical problems. Please submit letter of interest and curriculum vitae to: **P.O. Box 2003, Tyler, Texas 75710.**

An Equal Opportunity Employer

The Hellenic Anticancer Institute invites applications for a **DIRECTOR** of the Department of Medical Oncology in the St. Savvas Hospital.

The applicants must have proven experience in medical oncology and administrative abilities.

Send applications to:

**Hellenic Anticancer Institute
171 Alexandras Avenue
Athens, 603, Greece**

to arrive before 15 April 1978.

ELECTRON MICROSCOPY SUPERVISOR, Department of Pathology. B.S. or M.S. degree with training in electron microscopy and knowledge of ultrastructural anatomy. Operate and care for two electron microscopes; supervise two technicians. Work involves diagnostic and research electron microscopy. Résumé to: **Dr. Deborah Powell, MS-305 Medical Center, University of Kentucky, Lexington, Kentucky 40506.** *Equal Opportunity University.*

ELECTROPHYSIOLOGIST to work on transport and permeability in the crystalline lens of the eye. Must have Ph.D. in physiology or biophysics and at least 3 years of experience in the area of ophthalmic research. Minimum salary: \$15,000. Send résumé to: **Dr. C. A. Paterson, Box C303, University of Colorado Medical Center, Denver, Colorado 80262.** *The University of Colorado is an Equal Opportunity Employer.*

ENVIRONMENTAL HEALTH EPIDEMIOLOGIST

Applications are invited for a full-time assistant professorship in the Department of Preventive Medicine and the Institute for Environmental Studies, University of Wisconsin, Madison. Position available summer 1978. A Ph.D. in epidemiology with emphasis in environmental health is preferred. Salary commensurate with training and experience. Appointee will be expected to establish an independent program of research and be responsible for the fostering of interdisciplinary research programs. Teaching responsibilities include the development of an undergraduate course in environmental health and participation in a graduate program in epidemiology. Send curriculum vitae including the names of three references by 15 April 1978 to: **Dr. Donn D'Alessio, Chairman, Environmental Health Search and Screen Committee, Stovall Building, 465 Henry Mall, Madison, Wisconsin 53706.** *The University of Wisconsin is an Equal Opportunity Employer, Titles VII-IX. Applications from women and minority groups especially welcome.*

The Department of Biology is seeking an **EXPERIMENTAL CELLULAR BOTANIST** with a strong TEM background to start a 9-month appointment September 1978. Position is on tenure-track at the assistant professorship level with salary commensurate with training and experience. Applicants must be at least close to Ph.D., have demonstrated experimental and EM experience and be able to demonstrate good teaching. Formal teaching duties would include teaching cell biology and EM to majors and helping in freshman courses during the year. Interested applicants send curriculum vitae and three references to: **Chairman of Search Committee, Department of Biology, West Georgia College, Carrollton, Georgia 30118.** Initial screening will be made 1 May. West Georgia is a state college offering B.A. and M.S. degrees in biology, with a biology faculty of ten, 200 undergraduates, and about 12 graduate majors: it is located 1 hour's drive west of Atlanta. *An Affirmative Action/Equal Opportunity Employer. Applications from women and minorities are encouraged.*

POSITIONS OPEN

EXECUTIVE DIRECTOR. The League for International Food Education (LIFE) is seeking a professional food scientist or nutritionist for the position of executive director. LIFE is a consortium of scientific societies engaged in international activities in food science and nutrition. A major responsibility of LIFE is the dissemination of scientific and technological information to individuals and groups in developing countries.

Applicants should have the following qualifications:

- Ability to plan, initiate, and manage innovative projects for programs involving food and nutrition in the less developed countries,
- Ability to develop strategies directed toward the reduction of malnutrition in developing countries,
- Management skills to enlist, utilize, and coordinate volunteer efforts of professionals from the consortium member societies,
- Experience in developing project proposals and obtaining funding from government agencies,
- Excellent written and oral communication skills,
- Experience in international food and/or nutrition programs desirable, and
- Professional status as a food scientist (technologist) or nutritionist, preferably with a Ph.D.

The executive director is responsible for:

- Assisting the funding agency in the planning and implementation of field activities,
- Providing technical supporting services for government and non-government organizations,
- Monitoring activities of projects funded by government agencies and carried out by member societies,
- Editing a monthly publication which is widely circulated to the less developed countries, and
- Developing additional support for LIFE.

If you are seeking a challenging opportunity in the international food field, please send your résumé by 15 April to: **C. O. Chichester, Ph.D., LIFE, 1126 16th Street, NW, Washington, D.C. 20036.**

FACULTY POSITION IN BIOCHEMISTRY

The Department of Biochemistry at the University of Texas System Cancer Center, M. D. Anderson Hospital and Tumor Institute, invites applications for an assistant professorship from qualified individuals with an interest in utilizing recombinant DNA techniques to study problems in mammalian gene expression. Please send curriculum vitae, list of publications, names of at least three references to be used for letters of recommendation, and a summary of research interests to: **Dr. Grady F. Saunders, Department of Biochemistry, the University of Texas System Cancer Center, M. D. Anderson Hospital and Tumor Institute, 6723 Bertner Avenue, Houston, Texas 77030.**

The Department of Psychiatry in collaboration with the Waisman Center on Mental Retardation and Human Development and the Endocrinology-Reproductive Physiology Program (ERPP) at the University of Wisconsin-Madison invites applications for a full-time **FACULTY POSITION.** The person should have, or develop, a research program in the broad area of neuroendocrinology and neurotransmitters with an interest in reproductive endocrinology. Priority will be given to clinically trained psychiatrists with basic science research background in the above areas. Substantial research space, equipment, and participation in the Waisman Center core grant in the ERPP training program of pre- and postdoctorals will be provided. Duties and prerogatives of the position include clinical and research supervision of residents, fellows, and teaching medical and graduate students.

The faculty appointment will be in the Department of Psychiatry at the assistant professor level, but appointment to a higher rank may be considered depending on qualifications and experience.

Correspondence should be addressed to: **Dr. W. T. McKinney, Professor and Chairman, Department of Psychiatry, 427 Lorch Street, Madison, Wisconsin 53706.**

An Equal Employment Education Institution/Title IX/Title VI.

FACULTY POSITION IN BIOLOGY

Eureka College is seeking a biology faculty member who is highly qualified to teach a broad range of undergraduate biology including botany and ecology. Evidence of teaching excellence is expected. *Eureka College is an Equal Opportunity Employer.* Send application, résumé, and credentials to: **Dr. R. J. Eichenberger, Chairperson, Science and Mathematics Division, Eureka College, Eureka, Illinois 61530** by 7 April 1978.

POSITIONS OPEN

TENURE-TRACK FACULTY POSITION IN REGULATORY BIOCHEMISTRY

Candidates must have a Ph.D. or M.D., a minimum of 2 years of postdoctoral training in regulatory aspects of mammalian biochemistry, and demonstrated productivity in original research. Preference will be given to strong candidates working in the areas of stimulus-secretion coupling or regulatory mechanisms associated with membrane function. Candidates should be prepared to establish an independent research program and to participate in the teaching of metabolism and biochemical endocrinology to medical, graduate, and undergraduate students. Please send curriculum vitae, bibliography, and a brief description of research interests, career objectives, and names of at least three references by 15 April 1978 to: **Dr. Michael P. Czech, Section of Physiological Chemistry, Division of Biology and Medicine, Brown University, Providence, Rhode Island 02912.**

Brown University is an Equal Opportunity/Affirmative Action Employer.

The University of Jordan invites applications in the following fields: **ecology, animal behavior, genetics, botany, plant physiology, animal physiology, invertebrates, electron microscopy/cytology, marine biology, and general biology.**

An application should include the following: curriculum vitae, copies of the university degrees and transcripts, list of publications, and lines of teaching and research.

All applications are to be addressed to:

**The President
University of Jordan
Amman, Jordan**

UNIVERSITY OF GUELPH DEPARTMENT OF PHYSICS

Applications are invited for a tenure-stream **FACULTY POSITION**, probably at the assistant professor level, to commence in fall 1978. The position is subject to final budgetary approval. The successful applicant will be expected to teach at both the undergraduate and graduate level and to conduct a program of experimental or theoretical research in one of the following areas: atomic or molecular physics, biophysics, liquid or solid state physics, ion-solid interactions, nuclear or particle physics. A full résumé, including the names of at least three references, should be sent to: **The Chairman, Department of Physics, University of Guelph, Guelph, Ontario, Canada N1G 2W1.**

HOWARD UNIVERSITY FACULTY POSITIONS AVAILABLE

The Department of Anatomy invites applications for faculty positions in: (i) cell biology, (ii) histology, and (iii) gross anatomy-embryology beginning 1 July 1978. Candidates must be qualified to teach in one of the above disciplines to medical, dental, and graduate students. The candidate should have a strong academic background in the anatomical sciences and an active and independent research program in a biomedical area. Prior medical or dental school teaching experience is highly desirable. Salary is competitive. The departmental and university environments are highly conducive to the pursuit of first rate research and instruction. Qualified applicants are invited to submit curriculum vitae, transcripts, and four references to: **Chairman, Department of Anatomy, College of Medicine, Howard University, 520 W Street, NW, Room 1105, Washington, D.C. 20059.** *Howard University is an Equal Opportunity/Affirmative Action Employer.*

GROSS AND MICROSCOPIC ANATOMY

Applications are invited for two junior positions available 1 July 1978. Responsibilities include instruction of students in the health sciences and the pursuit of independent research. Applicants must have a Ph.D. and should submit curriculum vitae and the names of three references to: **Dr. Marilyn L. Zimny, Chairman, Department of Anatomy, Louisiana State University Medical Center, 1542 Tulane Avenue, New Orleans, Louisiana 70112.**

HEAD, DEPARTMENT OF MICROBIOLOGY

The University of Massachusetts invites applications for the position of head, Department of Microbiology, on the Amherst campus. Interested persons should submit curriculum vitae and three letters of recommendation to: **C. B. Thorne, Chairman, Search Committee, Department of Microbiology, University of Massachusetts, Amherst, Mass. 01003.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

GENETICIST AND ZOOLOGIST. Fall 1978, full-time openings for a geneticist and a zoologist in an undergraduate, liberal arts college in Mississippi. Geneticist should be able to teach genetics, cell biology, advanced microbiology, and general biology for majors. Zoologist should be able to teach general biology for majors and non-majors and courses in zoology. Ph.D. preferred; teaching experience desirable. Rank and salary commensurate with experience. Send letter of application (including three references) and professional curriculum vitae to: **Chairperson, Biology Department, Tougaloo College, Tougaloo, Miss. 39174.**

HEAD, Department of Veterinary Science. Nominations and applications are invited for the above position in the College of Agriculture, The Pennsylvania State University. The department head is responsible for directing the teaching, research, diagnostic, and extension programs of an academic department that consists of 20 full-time faculty members and 20 graduate students. The department shares responsibility for advising approximately 400 undergraduate students in the animal sciences. Candidates must have a D.V.M. or V.M.D. and preferably a Ph.D. and/or specialty Board-certification with demonstrated teaching, research, and administrative abilities. Inquiries, nominations, and applications should be directed to the address below by 15 May 1978. **Dr. Frederick G. Ferguson, Chairman, Search Committee, 202 Centralized Biological Laboratory, Pennsylvania State University, University Park, Pa. 16802.** *The Pennsylvania State University is an Equal Opportunity/Affirmative Action Employer.*

UCLA SCHOOL OF PUBLIC HEALTH HEALTH EDUCATION

Two positions: tenure-ladder, each assistant or associate professor in the Division of Behavioral Sciences and Health Education for 1 July 1978.

1) The first candidate should have a doctoral degree in a discipline such as social and/or clinical psychology, educational psychology, sociology, anthropology, or health education. The applicant should have experience with on-going health promotion and risk-reduction programs and be able to demonstrate skills in face-to-face small group processes and health behavioral change.

2) The second candidate should have a doctoral degree which includes a solid background in organizational behavior in communities. Communication and media experience in a health setting is desired. The applicant should be concerned with organizing groups to improve their health and with mounting media campaigns to influence both consumer and health care provider activities.

Both candidates should be interested in teaching professionals in a strong health education and behavioral science program. Please send résumé to:

**D. M. Wilner and R. F. Richards, Co-Chairpersons
Search Committee**

**UCLA School of Public Health
Los Angeles, California 90024**

Affirmative Action/Equal Opportunity Employer. Minority and women candidates are encouraged to apply.

DEPARTMENT OF BIOLOGICAL SCIENCES CENTRAL CONNECTICUT STATE COLLEGE NEW BRITAIN, CONN. 06050

IMMUNOLOGIST: assistant professor, tenure-track, to develop upper level undergraduate/graduate courses in immunology, serology, and molecular genetics. Ph.D. with specialization in immunology and molecular genetics required. Candidates must present evidence of both their teaching and research abilities. Position available: 1 September 1978. Résumé to: **Dr. Lyle F. Chichester, Chairman.** Deadline: 15 April 1978.

An Affirmative Action/Equal Opportunity Employer

JUNIOR FACULTY POSITION IN ENVIRONMENTAL STUDIES. Metropolitan College, the evening division of Boston University, has an open faculty position in environmental studies, beginning in September 1978. Interested individuals must have strong training in one of the environmental sciences, and both teaching and research in the field. Ph.D. required. Rank and salary commensurate with experience. Please send your résumé and credentials, including at least three letters of reference, to: **Dr. John M. Head, Chairman, Faculty Search Committee, Metropolitan College, Boston University, 755 Commonwealth Avenue, Boston, Mass. 02215.** *Boston University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

HEAD—DEPARTMENT OF BIOLOGY

Georgia Southern College, a 6500-student, comprehensive college of the University System of Georgia invites nominations and applicants for the position of head, Department of Biology, fall 1978. Sixteen resident departmental faculty; four adjunct faculty at Skidaway Institute of Oceanography; 180 majors; baccalaureate and master's degrees offered. Primary duties administrative, but teaching or research also required.

Please request three confidential letters of recommendation and send résumé and transcripts by 1 May to: **Dr. James Oliver, Chairman, Department Head Search Committee, Department of Biology, Georgia Southern College, Statesboro, Georgia 30458.**

An Equal Opportunity/Affirmative Action Employer

UNIVERSITY OF MELBOURNE THE ASHWORTH LECTURESHIP IN SOCIOLOGY

Applications are invited from scholars distinguished in any area of sociology or related disciplines (other than economics) for the newly created Ashworth Lectureship. The appointee will be free to pursue research in any faculty of the university.

Applications should include full details of the research project to be undertaken during the tenure of the lectureship.

The appointment will be available for up to 2 years and a reasonable grant will be provided to assist with travel.

Salary range: \$14,851 to \$23,299 per annum.

Further information, including details of application procedure and conditions of appointment, is available from: **The Registrar, University of Melbourne, Parkville, Victoria, 3052, Australia.** Applications referring to position number 3-68-42 should be addressed to: **The Registrar;** applications close on 30 April 1978.

MICROBIOLOGIST, Ph.D., assistant professor, tenure-track. To teach basic bacteriology, to develop and teach courses in virology and immunology, and to direct research at master's level. Salary: \$12,500 to \$14,500. Starting date: 1 August 1978. Deadline for applications is 15 April 1978. Submit curriculum vitae, including three letters of recommendation and official transcripts, to: **Dr. Clay M. Chandler, Chairman, Search Committee, Department of Biology, Middle Tennessee State University, Murfreesboro, Tennessee 37132.**

An Equal Opportunity/Affirmative Action Employer

MOLECULAR MODELING

Applications are invited for a research position involving the study of the conformations of proteins and nucleic acids. The individual hired will have the opportunity to develop his/her own research interests in this area as well as to collaborate on problems involving enzyme substrate and drug-receptor interactions. A background in mathematics and computing is required. Facilities include PDP11/70, PDP11/40, and three dimensional graphics display systems. Send curriculum vitae and the names of three references to: **Dr. A. G. Knudson, Jr., Director, The Institute for Cancer Research, 7701 Burholme Avenue, Philadelphia, Pa. 19111.** *We are an Equal Opportunity/Affirmative Action Employer.*

NEUROPHARMACOLOGIST

Applications are invited from qualified individuals for a position in the Department of Pharmacology, University of Iowa. Appointment will be at the assistant professor level. The appointee must be committed to excellence in teaching and research and will participate in the department's professional and graduate student teaching activities as well as establish an independent research program of high quality. The applicant must have one or more years of postdoctoral training; preference will be given to applicants with research experience in the general area of neurochemistry/neurotransmitters (for example, peptides as neurotransmitters, immunocytochemistry, receptor isolation/identification, and so forth). Interested applicants should send their curriculum vitae and the names of three references to: **Dr. J. P. Long, Chairman, Department of Pharmacology, University of Iowa, Iowa City, Iowa 52242.** *The University of Iowa is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

NEUROBIOLOGIST. The Department of Neurology is seeking a basic researcher at the assistant professor level in the field of neurotransmitter physiology and pharmacology involving brainstem or basal ganglia. Experience with CNS iontophoresis and neuroanatomical techniques is desirable. Interested persons should submit curriculum vitae, bibliography, names of several references, and a brief sketch of future research plans to: **Dr. Stanley Fahn, Department of Neurology, Columbia University College of Physicians and Surgeons, New York, N.Y. 10032.** An Equal Opportunity/Affirmative Action Employer.

NEURORADIOLOGIST. Director of neuroradiology in the Department of Radiology at the Massachusetts General Hospital, Boston. Clinical competence and academic achievements essential. Cooperation with neurology and neurosurgery in patient care, teaching, and research expected. Reply to: **Juan M. Taveras, M.D., Radiologist-in-Chief, Massachusetts General Hospital, Boston, Mass. 02114.** Equal Opportunity Employer.

PHARMACOLOGIST. Position available immediately at assistant or associate professor level. Must have 1 or 2 years postdoctoral experience with interest in renal, cardiovascular, neuro-, or biochemical pharmacology. To teach medical and graduate pharmacology courses and establish a research program. Send curriculum vitae and names of three references to: **Dr. James Boelkins, Department of Pharmacology, University of North Dakota School of Medicine, Grand Forks, N.D. 58201.** An Equal Opportunity/Affirmative Action Employer.

PHYSICAL OCEANOGRAPHY

Postdoctoral research associate to study temporal and spatial variability of the North Atlantic. Ph.D. in physical oceanography and experience in hydrodynamics of ocean, circulation, and time-series analysis essential. Begin 1 July 1978; 2-year tenure anticipated. \$16,000 per year. Send résumé and three references to: **Professor P. P. Niiler, School of Oceanography, Oregon State University, Corvallis, Ore. 97331.** An Affirmative Action/Equal Opportunity Employer complying with Section 504, Rehabilitation Act of 1973.

PHYSIOLOGICAL, BEHAVIORAL, OR EVOLUTIONARY ECOLOGIST

The University of Arizona invites plant and animal ecologists with diverse interests to apply for a faculty position available 15 August 1978. Responsibilities include teaching an undergraduate ecology course, and developing active graduate and research programs. Salary and rank will depend on experience. Applications, consisting of curriculum vitae, statement of interests, and at least three letters of reference, should be sent immediately to: **Dr. James H. Brown, Department of Ecology and Evolutionary Biology, University of Arizona, Tucson, Arizona 85721.**

Equal Opportunity/Affirmative Action/Title IX/Section 504 Employer

PHYSIOLOGIST: the University of Minnesota, Morris, announces a tenure-track assistant professorship, to begin September 1978. Duties include teaching undergraduate general biology, animal and cell physiology, and human anatomy/physiology. Ph.D. required. Send curriculum vitae, transcripts, and three letters of reference by 14 April to: **Dr. R. S. Abbott, Biology Search Committee, University of Minnesota, Morris, Morris, Minn. 56267.** The University of Minnesota is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATE in insect physiology and toxicology. Full-time research position available immediately for studies on the mode of action of antiallotropins in insects. Training in insect or invertebrate endocrinology and experience with tissue and organ culture techniques desirable. Send résumé and names of three references to: **W. S. Bowers, Department of Entomology, New York State Agricultural Experiment Station, Geneva, N.Y. 14456.**

POSTDOCTORAL POSITION. Chemical and biological studies on bile pigment and heme metabolism. Suitable for recent Ph.D. in chemistry with a desire for biologically oriented experience. Only applicants prepared to attend for interview at their own expense need apply. Send curriculum vitae to: **A. F. McDonagh, 1120 HSW, University of California, San Francisco, Calif. 94143.** The University of California is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

PHYSIOLOGISTS

Assistant professor, beginning 1 September 1978, to teach an introductory physiology course, plus a graduate course in area of interest. Ph.D. degree, postdoctoral experience, and publications required. **Professor,** beginning 1 September 1978 to teach biophysics, a graduate course in area of interest, and participate in a five-college interdisciplinary program on vision. Send curriculum vitae and names and addresses of references by 14 April 1978 to: **E. Brooks, Department of Zoology, University of Massachusetts, Amherst, Mass. 01003.** An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS IN MOLECULAR GENETICS. Two positions are immediately available for work on the following topics: (i) in vitro synthesis of membrane protein from *Pseudomonas* plasmid DNA, and (ii) structure and function of DNA insertion elements. Fellowship support can be available for as long as 3 years. If interested, please contact: **Dr. James A. Shapiro, Department of Microbiology, University of Chicago, Chicago, Ill. 60637.** From the time of its original charter, the principle of the University of Chicago has been to appoint scholars without regard to race, color, sex, or national origin.

POSTDOCTORAL POSITION

CELLULAR IMMUNOLOGY. Position available July 1978, for 2 years, for recently qualified Ph.D. or M.D. for studies on role of lymphocyte membrane IgD. Send curriculum vitae and names of three references to: **Dr. J. A. van Boxel, Johns Hopkins University Medical School at the O'Neill Laboratories, The Good Samaritan Hospital, 5601 Loch Raven Boulevard, Baltimore, Maryland 21239.**

POSTDOCTORAL POSITION

Research on the nature and genetic impact of mutation factors in natural populations of *Drosophila*. Position open 1 June for 1 year only; salary to \$12,000. Send curriculum vitae, reprints, and statement of research interests by 1 May to: **Dr. James N. Thompson, Jr., Department of Zoology, University of Oklahoma, Norman, Oklahoma 73019.** An Affirmative Action/Equal Opportunity Employer.

TWO POSTDOCTORAL POSITIONS

Bioorganic mechanistic/spectroscopic studies of nitrogenase. Seeking biochemist experienced in protein chemistry and organic chemist with background in small-ring compounds or organophosphorous chemistry. Available immediately or in summer/fall 1978. Send résumé with three references to:

**C. McKenna
Chemistry Department
University of Southern California
Los Angeles, California 90007**

The School of Life Sciences each year has a number of **POSTDOCTORAL POSITIONS** based primarily on monies available through grants, and so forth. The number of positions will vary from year to year. We invite applications for potential 1- to 3-year positions as postdoctoral research associates in the following areas of the School of Life Sciences at the University of Illinois: botany; ecology, ethology, and evolution; entomology; genetics and development; microbiology; and physiology and biophysics, and the following interdisciplinary programs in the area of biology: cell biology; neurobiology; plant physiology; ecology; and genetics. Applicants should have the Ph.D. and strong interests in experimental research. Salary: open. Applicants should send a biographical sketch, a statement of research interests, and three letters of recommendation to: **The School of Life Sciences, University of Illinois, Urbana, Ill. 61801.** The University of Illinois is an Affirmative Action/Equal Opportunity Employer and encourages applications from minorities and women.

POSTDOCTORAL RESEARCH ASSOCIATES

Three positions immediately available for Ph.D.'s and/or M.D.'s to do research in one of the following: drug metabolism, immunological characterization of immunosuppressive factors, or the clinical pharmacology of antihelminthic drugs. Applicants should send résumé, transcripts, and two letters of recommendation to: **Dr. Leslie T. Webster, Jr., Director, Department of Pharmacology, Case Western Reserve University, School of Medicine, 2119 Abington Road, Cleveland, Ohio 44106.** An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITIONS (two) available summer 1978 for recent Ph.D.'s in biochemistry or molecular biology. Studies on mechanisms of endocrine regulation of peri- and postnatal development of enzymes and hormonal receptors in offspring of normal and diabetic mothers (rodents). Experience in enzymology, diabetes, cell culture, protein synthesis and/or receptors desirable. Salary commensurate with background. Send résumé and names of two or more references to: **Muriel Feigelson, Ph.D., Director, Obstetrics-Gynecology Basic Research Laboratory, Columbia University-Roosevelt Hospital, 428 West 59 Street, New York, N.Y. 10019.**

An Equal Opportunity Employer

POSTDOCTORAL RESEARCH ASSOCIATE

Three positions are currently available on a program project grant dedicated to cell membrane ion transport:

- 1) **ELECTRON MICROSCOPY**
- 2) **CELLULAR ELECTROPHYSIOLOGY**
- 3) **RADIOISOTOPIC FLUX/TRANSPORT**

Send curriculum vitae to:

**Dr. M. Lieberman
Department of Physiology
Duke University Medical Center
Box 3709
Durham, North Carolina 27710**

An Affirmative Action/Equal Opportunity Employer

POSTDOCTORAL RESEARCH POSITIONS—

Available starting summer or fall 1978 for study of glucocorticoid mechanisms of action and effects on metabolic processes, membrane structure and immunological properties of normal and neoplastic lymphocytes and related cells. Please send curriculum vitae and names of two references to: **Dr. Allan Munck, Department of Physiology, DARTMOUTH MEDICAL SCHOOL, Hanover, N.H. 03755.** An Equal Opportunity/Affirmative Action Employer, M/F.

POSTDOCTORAL RESEARCH POSITION available for studies on the molecular properties of the steroidal hormone receptors. Biochemical background, preferably in protein isolation and characterization, or receptor-ligand interaction analyses. Applicants should submit curriculum vitae and references to: **Dr. A. Notides, Department of Pharmacology, University of Rochester, School of Medicine, Rochester, N.Y. 14642.**

PRE- AND POSTDOCTORAL POSITIONS are available for studies on the protein synthesizing system with special emphasis on ribosomes (topography, biogenesis, and function) under various conditions of growth and development. Teaching opportunities available. Reply with résumé to: **Professor Bruce H. Sells, Laboratories of Molecular Biology, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada A1B 3V6.**

RADIOBIOLOGIST to carry out studies on efficacy of combined drugs and radiation in experimental tumor systems. Studies will include characterization of the effects of radiosensitizers, radioprotective agents, and cytotoxic drugs on sensitivity of malignant and normal tissues to radiation. There will be opportunities for the candidate to develop his or her own interests within the general framework of the program. Applicants must have a Ph.D. in radiation biology or a closely related field and have experience in experimental radiotherapy. The position is available immediately and the salary is negotiable. Send résumé and curriculum vitae to: **Donald J. Natoli, Arthur D. Little, Inc., 20 Acorn Park, Cambridge, Massachusetts 02140.** Arthur D. Little, Inc., is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSISTANT IN BIOCHEMISTRY

Seeking individual with M.S. or B.S. degree in biochemical discipline and experience in radioimmunoassay and neurochemical methods. The individual will be responsible for setting up, modifying, and carrying out specialized chemical procedures for the assay of cyclic nucleotides, hormones, and neurotransmitters in biological tissues. Starting salary: \$9350 to \$9950. Position to be filled by mid-July. Qualified individuals please send curriculum vitae and three letters of recommendation to: **Director, Neurosciences Research Unit, Department of Psychiatry, University of Vermont, College of Medicine, Burlington, Vermont 05401.**

POSITIONS OPEN

VICE PRESIDENT TECHNICAL OPERATIONS

Leading consulting firm in the Southeast needs a seasoned executive with a strong educational and experience background in environmental engineering and/or science to manage all day-to-day technical activities. Advanced degree(s) and/or registration preferred. Candidates must have a successful record of managing large (\$1 million up) multi-disciplinary projects and line organizations in a consulting environmental engineering and science firm.

Salary is expected to be in the \$40,000- to \$45,000-range plus performance bonus. Applicants for this position should provide a complete résumé with current compensation and a covering letter summarizing why you should be a candidate for this position to **Box 99, SCIENCE**.

An Equal Opportunity Employer

POSTGRADUATE RESEARCH DEPARTMENT OF BIOLOGY PRINCETON UNIVERSITY

NIH postdoctoral training positions for recent Ph.D.'s in the areas of biochemical and genetic aspects of cell differentiation (Doctors T. Cline, E. Cox, A. Newton, and P. Schedl), cell biology and development (Doctors J. Bonner, E. Cohen, M. Steinberg, and G. Witman), and behavioral and population genetics (Doctors J. Endler, J. Gould, R. May, and W. Quinn) are available beginning summer 1978. Applications should include curriculum vitae and summary of research interest. Closing date: 8 May 1978. Inquiries or applications should be sent to: **Dr. E. C. Cox, Chairman, Department of Biology, Princeton University, Princeton, N.J. 08540. Princeton University is an Equal Opportunity/Affirmative Action Employer.**

PROFESSOR OF ORGANIC CHEMISTRY—University of Maryland. The Department of Chemistry solicits inquiries for a senior position as professor of chemistry, effective August 1979. Candidate should be internationally recognized for current research in the forefront of organic chemistry. The candidate will be expected to contribute to graduate and undergraduate instructional programs. Requests for confidentiality of applications will be honored. Send curriculum vitae and list of publications to: **Professor Paul Mazzocchi, Chairman, Search Committee, Department of Chemistry, University of Maryland, College Park, Md. 20742. The University of Maryland is an Equal Employment Opportunity/Affirmative Action Institution and encourages applications from women and members of minority groups.**

RESEARCH ASSOCIATE. Person with biochemical background (M.S./Ph.D.) wanted for Department of Physiology and Biophysics. Please send curriculum vitae and references to:

T. C. Welbourne
Personnel Department
LSU Medical Center
P.O. Box 33932
Shreveport, La. 71130
An Equal Opportunity Employer

STAFF OFFICER

Ph.D. or equivalent in biomedical science discipline, such as toxicology, microbiology, environmental, or public health sciences. Ability to write quality reports on scientific subjects. To assist in the conduct of studies on drinking water by the National Academy of Sciences, National Research Council. Two or more years of experience are desirable. Send résumés to: **Dr. Riley D. Housewright, National Academy of Sciences, 2101 Constitution Avenue, NW, Washington, D.C. 20418. An Equal Opportunity Employer.**

TUMOR BIOLOGY

The Division of Radiation Oncology at the University of Arizona invites applications for a faculty position in the general area of tumor biology. Successful candidates should have demonstrated research experience using in vivo tumor and normal tissue systems. Research interests should include the use of radiation, chemotherapeutic drugs, or hyperthermia in cancer biology. Preference will be given to candidates with strong biochemistry or molecular biology backgrounds. Applications, including the names of three references, should be sent to: **Eugene W. Gerner, Ph.D., University of Arizona Health Sciences Center, Radiation Oncology Division, Tucson, Arizona 85724. An Equal Opportunity/Affirmative Action/Title IX/Section 504 Employer.**

POSITIONS OPEN

RESEARCH ASSOCIATE PROFESSOR—complete supervision of Cerebral Blood Laboratory. Must have M.D. degree, plus expertise in clinical applications of cerebral blood flow. Submit curriculum vitae to:

Dr. James Halsey, Jr.
Department of Neurology
University of Alabama in Birmingham
University Station
Birmingham, Alabama 35294

RESEARCH ASSOCIATE position available immediately for Ph.D. biochemist/biophysicist to isolate and characterize connective tissue proteoglycans, and to participate in physical chemical studies of collagen-proteoglycan interactions. Experience with protein and/or polysaccharide purification methods desirable. Please send résumé and the names of three referees to: **Dr. John Blackwell, Department of Macromolecular Science, Case Western Reserve University, Cleveland, Ohio 44106.**

STAFF PHARMACOLOGIST

Eli Lilly and Company, a leading worldwide manufacturer of pharmaceutical products, specialized agricultural chemicals, and animal health products, is searching for a qualified individual who will be a member of the central nervous system research department responsible for the development of quality pharmaceutical products.

Responsibilities include in vivo and in vitro research on the effects of neuro-transmitter candidates and drugs on single neurons in the central nervous system. Emphasis will be placed on the study of the neuro-pharmacology of peptides and amino acids.

Applicants should have the B.S. or M.S. degree with experience in electrophysiology (particularly with recording single neuronal activity with single or multiple-barreled micropipettes). Experience in the techniques of microelectrophoresis and on-line computer analysis is desirable.

Send résumé with salary requirements to:

Peter D. Cullen
Senior Personnel Representative
Eli Lilly and Company
307 East McCarty Street
Indianapolis, Indiana 46206

TWO TEMPORARY POSITIONS, September 1978. (i) **CELL PHYSIOLOGIST.** Two-year appointment. To teach biochemistry-cell physiology, genetics, and microbiology. (ii) **ANATOMIST AND PHYSIOLOGIST.** One-year appointment. To teach comparative anatomy, general physiology, and help with beginning biology. Salary and rank negotiable. Send curriculum vitae and supportive information to: **Dr. Harold Momberg, Biology Department, Central Methodist College, Fayette, Missouri 65248. Deadline: 25 April 1978.**

VISITING PROFESSOR WILDLIFE BIOLOGY

Teaching responsibilities in fields of wildlife measurements/quantitative methods and uplands game management. Advising undergraduate students. Research opportunities associated with ongoing program. Qualifications: Ph.D. or equivalent with at least one degree in wildlife management. One-year appointment starting 1 September 1978. Send résumé and names and addresses of three references to: **Dr. Hugo H. John, Director, School of Natural Resources, University of Vermont, Burlington, Vermont 05401.**

An Affirmative Action Employer

POSITIONS OPEN

VIROLOGIST. Ph.D. Postdoctoral training preferred. Assistant professor of microbiology. Position available September 1978. Responsibilities include undergraduate courses in medical virology (spring quarter) and medical bacteriology (winter quarter) and starting an independent research program in viral-animal host relationships or some aspect of molecular virology. Supervision of graduate (M.S. and Ph.D.) research projects is also expected. Opportunity exists to develop a graduate course in area of interest and to teach in the WAMI Medical Program. Academic year appointment. Salary negotiable. By 1 June send curriculum vitae and three letters of reference to: **Virology Search Committee, Department of Microbiology, Montana State University, Bozeman, Montana 59717. An Equal Opportunity/Affirmative Action Employer.**

VISUAL PSYCHOPHYSICS

Eye Research Institute of Retina Foundation is continuing its search for a permanent staff member in visual psychophysics. Individual laboratory and office space of 325 square feet plus shared facilities in electronics, machine shop, and computer support. Opportunities for collaborative work with other department staff and access to patients with visual disorders. Prefer interests in spatial and chromatic interactions with physiological orientation. Send résumé with references to: **Director, Department of Retina Research, Eye Research Institute of Retina Foundation, 20 Staniford Street, Boston, Mass. 02114.**

REQUEST FOR PROPOSALS

MANGANESE NODULE RESEARCH

The NSF/DOE-supported Manganese Nodule Program (MANOP) will complete its first 2-year funding period in February 1979. A renewal proposal will be submitted around the middle of 1978. The proposal will be an integrated package of individual programs focused around MANOP's central theme. Inclusion in the omnibus proposal is based on relevance of the proposed research to the central theme, and on scientific merit.

MANOP is attempting to determine the factors responsible for variations in the transition-metal contents of deep-sea ferromanganese nodules by studying the fluxes of these metals into and out of the sea floor and nodules at five lithologically distinct sites in the eastern Pacific. Studies include measurements of pore and bottom water compositions, sediment-trap determinations of vertical particulate fluxes, microbiological work on the precipitation of manganese, exposure of well-characterized natural and artificial minerals to ambient chemical conditions, and direct measurements of elemental fluxes using a programmable Bottom Lander incorporating chambers which can be sampled periodically, spiked with metal tracers, or poisoned.

Investigators interested in participating in the program should submit a letter proposal (2 or 3 pages) outlining a 2-year program, to reach: **J. Paul Daphin, MANOP Administrative Coordinator, Graduate School of Oceanography, University of Rhode Island, Narragansett, R.I. 02882, not later than 12 May 1978.**

Letter proposals will be reviewed by MANOP's Scientific Advisory Committee late in May 1978. Investigators selected for inclusion in the program will be asked to expand their letters to concise proposals which will form appendices to the omnibus MANOP proposal to be submitted to NSF/DOE early in August 1978.

TRAINING PROGRAMS

GRADUATE STUDIES IN PHYSIOLOGY

Applications are being accepted for the Ph.D. program beginning in summer or fall 1978. Areas of emphasis in the department are cardiovascular, endocrine, respiratory, and neurophysiology. Prerequisites include an undergraduate degree with an average grade of B or above and a combined GRE score of 1100 plus. Fellowships or assistantships are available for all accepted into the program. More detailed information and applications can be obtained by writing:

Paula Gazaway, Coordinator
Department of Physiology
Texas Tech University School of Medicine
P.O. Box 4569
Lubbock, Texas 79409

CSIRO

POSTDOCTORAL RESEARCH FELLOW DIVISION OF PROCESS TECHNOLOGY NORTH RYDE, NEW SOUTH WALES

CSIRO has a broad charter for research into primary and secondary industry areas. The organization has approximately 7,000 employees, 2,300 of whom are research and professional scientists, located in divisions and sections throughout Australia.

FIELD: coal (conversion) chemistry.

GENERAL: the Division of Process Technology is engaged in investigations to facilitate the early introduction to Australia of reliable processes for the production of liquid fuels from coals.

DUTIES: the successful applicant will have the opportunity of making a significant contribution in the clarification of the chemical and physical processes by which coal can be converted to liquid products with a special emphasis on coal hydrogenation. This includes consideration of the influence of variation in coal properties on these processes.

QUALIFICATIONS: a Ph.D. or equivalent research experience in physicoorganic, physical, or applied chemistry. Previous experience in the field of fuel chemistry or in the study of processes occurring in organic systems at high temperatures or high pressures would be an advantage.

SALARY: research scientist or senior research scientist: A\$14,506 to A\$21,134 per annum.

TENURE: fixed term of 3 years with the possibility of indefinite appointment subsequently. Superannuation benefits available.

Applications stating full personal and professional details, the names of at least two referees, and quoting reference number 588/21 should reach:

The Chief, Division of Process Technology
P.O. Box 136
North Ryde, New South Wales 2113
Australia

by 17 April 1978.

PHARMACOLOGY (GI)

Expanding U.S. subsidiary of major worldwide pharmaceutical firm seeks experienced (2-5 years) laboratory assistant to join Gastrointestinal research program.

Should have sound academic training (B.S. or M.S.) in life science, and demonstrated initiative and skill in laboratory investigations. Solid foundation in organic/medicinal chemistry as a supplement will proven an advantage.

Research program undergoing \$28 million expansion doubling laboratories at suburban location. Compensation and benefits compare favorably in American drug industry.

Please write, indicating salary expected, also your plans regarding the FASEB meetings in Atlantic City in early April.

Charles T. Brodigan
Employee Relations



ICI Americas Inc.

Wilmington, Delaware 19897

An Equal Opportunity Employer M/F

FACULTY POSITIONS

College of Medicine, King Faisal University
Dammam, Saudi Arabia

Applications invited from qualified men and women in:

Biology	Biochemistry
Chemistry	Hematology
Physics	Biostatistics
Anatomy	Microbiology
Human Physiology	Parasitology
Pathology	Pharmacology
Epidemiology	General Surgery
Community Medicine	Internal Medicine

Doctorate or equivalent degree required. Language of instruction is English. Positions available starting September 1978; interviews scheduled with the dean in the United States and Great Britain early in 1978.

Salary ranges (monthly salary in Saudi riyals or approximate annual equivalent in U.S. dollars)—professor: SR6,000 to 6,600 or \$20,300 to \$22,300; associate professor: SR4,800 to 5,800 or \$16,300 to \$19,600; and assistant professor: SR3,600 to 4,600 or \$12,200 to \$15,500.

(M.D. degree commands a higher salary, up to 50 percent if a clinical as well as academic appointment held.)

Free furnished accommodations. Airfare to and from Saudi Arabia once a year plus a 45- to 60-day holiday. No Saudi income tax.

Send complete curriculum vitae plus addresses and telephone numbers of three references to:

Mohammed T. Altorki, M.D., MRCP
Dean of the Medical Faculty
King Faisal University
c/o Saudi Arabian Educational Mission
2223 West Loop South, Suite 400
Houston, Texas 77027

Mohammed T. Altorki, M.D., MRCP
Dean of the Medical Faculty
King Faisal University
P.O. Box 9
Isleworth, Middlesex TW7 4LZ
England

Specify dates of teaching appointments and availability.

The University of Western Ontario Faculty of Science, Department of Zoology

LECTURER

Applications are invited for the position of Lecturer in the Department of Zoology for the 1978-79 academic year. This is a two year renewable appointment, subject to the availability of funds. Requirements include a Ph.D. with demonstrated ability to teach undergraduate classes and initiate his/her own research program. Duties are to teach undergraduate ecology and/or general biology and graduate seminars in ecology. Applications with C.V. and the names of three referees to:



Dr. M. Locke,
Professor and Chairman,
Department of Zoology,
University of Western Ontario,
London, Ontario, Canada, N6A 5B7.

Deadline for applications is April 30, 1978.

Manager Microbial Research

Abbott Laboratories, an innovative leader in the international health care field, is seeking an established professional to manage/direct research in the area of new anti-infectious agents. Responsibilities will include design and implementation of new primary and secondary screening procedures as well as monitoring those in existence. Qualified candidate will also have administrative and budgetary responsibility.

A PhD in Microbiology or a closely related discipline and knowledge of microbial genetics, biochemical pathways of microorganisms, soil screening methodology and fermentation technology will be essential. Previous supervisory experience and the ability to interface effectively with marketing and medical personnel are also required.

The person who joins us can look forward to an excellent salary, a full range of liberal fringe benefits and strong potential for career development. For consideration, send a detailed resume with salary history, in complete confidence, to:

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TRAINING PROGRAMS

PREDOCTORAL GRADUATE TRAINEESHIP IN PSYCHOPHARMACOLOGY. An interdepartmental program in psychopharmacology with a neuroscience emphasis is offered at Howard University by the Departments of Psychology and Pharmacology. Information regarding the program and application procedures may be obtained from: **S. N. Pradhan, M.D., Ph.D., Department of Pharmacology, College of Medicine, or Leslie H. Hicks, Ph.D., Department of Psychology, Howard University, Washington, D.C. 20059.**

POSTDOCTORAL TRAINING PROGRAM IN ARTERIOSCLEROSIS RESEARCH

Postdoctoral fellow positions will be available after 1 July 1978 in a new NIH-sponsored program of training in the broad field of arteriosclerosis research. Interdisciplinary training in basic research and/or clinical investigation will be available in the areas of lipid and lipoprotein metabolism, hyperlipidemia, platelet biochemistry and disease, biostatistics and computer modeling, regional myocardial blood flow and the coronary circulation, and electrophysiology and arrhythmias. Applicants, for 1- to 3-year appointments, should possess the M.D. or Ph.D. degree or equivalent and be U.S. citizens or permanent residents. Send curriculum vitae to: **Dr. DeWitt S. Goodman, Columbia University College of Physicians and Surgeons, New York, N.Y. 10032.**

Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL TRAINING PROGRAM—The Institute for Cancer Research invites applications for its program of postdoctoral traineeships in basic sciences relevant to cancer research. These appointments are open to U.S. citizens, U.S. nationals, or persons who have been lawfully admitted to the United States for permanent residence and have in their possession a permanent visa at the time of appointment. An applicant must hold a Ph.D. or its equivalent in a field of training such as physics, chemistry, biochemistry, immunology, microbiology, virology, pathology, genetics, molecular biology, developmental biology, or cellular biology and must have had no more than 3 years of postdoctoral experience. Appointments will be for 1 year, renewable for a second year. Stipends are from \$10,000 per year, plus fringe benefits and certain travel and relocation allowances. Further information and application forms can be obtained from: **Dr. Thomas F. Anderson, Coordinator, Postdoctoral Training Program, The Institute for Cancer Research, 7701 Burholme Avenue, Philadelphia, Pennsylvania 19111.** *Equal Opportunity/Affirmative Action Employer.*

GRADUATE STUDY

GRADUATE STUDY

Predocotoral traineeships are available to qualified applicants for study in the Microbiology Department of the Mount Sinai School of Medicine of the City University of New York (CUNY). Graduate training will lead to a Ph.D. degree in the biomedical sciences. Research areas under investigation within the department include genetics and biochemistry of animal viruses, cellular immunity, physicochemical studies of nucleic acids, structure of cell nuclei, regulation of gene expressions in bacteria, and microbial assays for detection of chemical carcinogens. Stipends are currently at the level of \$4,500 per year. Interested persons may contact: **Dr. E. D. Kilbourne, Department of Microbiology, THE MOUNT SINAI SCHOOL OF MEDICINE, CUNY, One Gustave Levy Place, New York, N.Y. 10029.** *An Equal Opportunity Employer.*

COURSES

HOPKINS MARINE STATION NOTICE

The ad which ran in the 17 February 1978 issue of *Science* (p. 817) regarding the **New Advanced Courses in Biological Sciences** mistakenly listed the course, **Experimental Neurobiology**, S. Thompson, R. McCaman, and J. Ono, 24 July to 26 August. The correct dates are 19 June to 22 July. The closing date for applications is hereby extended to 30 April.

COURSES

SHORT COURSE IN MEDICAL GENETICS BAR HARBOR, MAINE 31 JULY TO 11 AUGUST 1978

Given first in 1960, this course is a joint endeavor of the Jackson Laboratory and Johns Hopkins University, and is supported by the National Foundation—March of Dimes. Its goals and methods are described in *Science* 176:820, 1972. Applications should be made to: **Dr. Victor A. McKusick, Johns Hopkins Hospital, Baltimore, Md. 21205.**

ASSISTANTSHIPS

PREDOCTORAL STIPENDS BIOLOGY DEPARTMENT, TUFTS UNIVERSITY

Teaching assistantships and research fellowships are available for students to pursue the Ph.D. degree. Our program is a small and individualized one, with research opportunities available in the areas of cell and molecular biology, genetics, physiology, behavior, and population biology. For a descriptive brochure and an application form contact: **Ross S. Feldberg, Biology Department, Tufts University, Medford, Mass. 02155.**

ASSISTANTSHIPS: FISHERIES AND AQUATIC BIOLOGY

Investigations are primarily within the Tennessee and Cumberland river basins and based at Hancock Biological Station, Kentucky Lake. Responsibilities include sampling, analysis, and report preparation while developing related research (in physiology or ecology) for M.F. thesis. Applications (résumé, transcript, GRE scores, and three letters of reference) to be sent by 15 April to: **Dr. D. W. Johnson, Hancock Biological Station, Murray State University, Murray, Kentucky 42071.**

FELLOWSHIPS

POSTDOCTORAL POSITIONS

Positions are available for recent Ph.D. graduates interested in advanced training and research on the mechanisms of selectivity of drug action. Areas currently under study are: (i) the biochemical-pharmacological basis for the effects of anticancer and antiviral treatments, inclusive of pharmacokinetics, drug biotransformation, and target cell determinants of drug action; (ii) the selective effects of drugs on the various components and interactions involved in immune responses to tumor and nontumor antigens; (iii) the regulation of cell metabolism by hormones, nucleotide pools and cyclic nucleotides, particularly cyclic CMP; (iv) the pharmacological and cellular basis for chemical carcinogenic transformation in animals and in tissue culture; and (v) clinical pharmacological studies on drug selectivity. Nucleosides, antifolates, carbohydrates affecting the plasma membrane, and anthracycline antibiotics are among the classes of agents studied. Reply in writing to: **Dr. E. Mihich, Department of Experimental Therapeutics, Grace Cancer Drug Center, Roswell Park Memorial Institute, Buffalo, N.Y. 14263.** Please include curriculum vitae and indicate at least two references.

Postdoctoral Fellowships in Medical Information Science

Special focus on design and evaluation of information-based technology in health care and health services research.

—To three years
at NIH stipend levels—
Accepting applications now.
Write to:

**Donald A. B. Lindberg, M.D.
Director: Information Science Group
and Health Care Technology Center
School of Medicine, 605 Lewis Hall
University of Missouri
Columbia, Mo. 65201**

FELLOWSHIPS

BASIC SCIENCE RESEARCH TRAINING FOR ANESTHETISTS

Applications are invited from Board-certified or Board-eligible physician anesthetists for 2- to 3-year research fellowships in the laboratories of Harvard University, Massachusetts Institute of Technology, or Massachusetts General Hospital. Two appointments will be made annually under USPHS National Research Service Award for advanced training in the Departments of Physiology, Biochemistry, Pharmacology, and Biostatistics. Interested persons should send current curriculum vitae to: **Dr. Richard J. Kitz, Department of Anesthesia, Massachusetts General Hospital, Boston, Mass. 02114.**

STUDENT FELLOWSHIPS IN PATHOLOGY. Fellowships are available for 1 year to medical students who wish to spend a year in the Department of Pathology doing research, autopsies, and surgical pathology. Candidates must have completed at least 2 years of medical school and must obtain the approval of their respective medical school. Write to: **Thomas G. Pretlow II, M.D., Department of Pathology, University of Alabama Medical Center, Birmingham, Alabama 35294.**

POSTDOCTORAL RESEARCH FELLOWSHIPS IN VISUAL SCIENCES

Two positions for postdoctoral research training in physiology and biochemistry available July 1978.

First: **physiologist** with strong background in biological sciences to conduct research on such problems as cataract development, formation and drainage of aqueous humor, and etiology of retrolental fibroplasia. Experience in tissue culture, histology, and analytical techniques desirable.

Second: **cell biologist** with knowledge or interest in hormonal regulation of cell metabolism to investigate the effect of growth factors and hormones on lens epithelium and induction and reversal of cataracts. Experience in ultrastructure, cytochemistry, and organ culture desirable.

Recent Ph.D.'s or M.D.'s who are U.S. citizens or permanent residents are invited to apply. Initial appointment is for 1 year, renewable for an additional year. Stipends from \$10,000 to \$14,000 per year depending on previous relevant experience. Send curriculum vitae with a statement of research interests, career goals, and three letters of reference (to be mailed directly by the referees) to: **Dr. V. N. Reddy, Director, Institute of Biological Sciences, Oakland University, Rochester, Michigan 48063.** *An Equal Opportunity Employer.*

POSTDOCTORAL FELLOWSHIPS IN CARDIOPULMONARY BIOMEDICAL ENGINEERING

Multidisciplinary research training in biomedical engineering aspects of cardiopulmonary systems available 1 September 1978 under an NIH-National Research Service Institutional Award. Appropriate for fellows with Ph.D. degrees in engineering, physiology, or biophysics, or a medical degree (M.D.). Stipend: \$10,000 to \$14,000 depending on experience. Send résumé and references to: **Dr. Fred S. Grodins, Biomedical Engineering, University of Southern California, Los Angeles, California 90007.** *An Equal Opportunity/Affirmative Action Employer.*

GRACE M. SHOWALTER POSTDOCTORAL FELLOWSHIP. A postdoctoral fellowship has recently been established in the Department of Biochemistry, Indiana University School of Medicine, to attract outstanding biochemists to engage in research problems holding exceptional promise. The present position will entail purification and mechanistic studies of three distinct malic enzymes, two of which have only recently been described. The stipend, effective 1 July 1978, is for \$13,000. Applicants please send curriculum vitae, list of publications, and names of three references to: **Department of Biochemistry, Indiana University School of Medicine, 1100 West Michigan Street, Indianapolis, Ind. 46202.** *Indiana University is an Equal Opportunity/Affirmative Action Employer.*

NEUROSCIENCE POSTDOCTORAL FELLOWSHIP available in June or September for physiological psychologist or neuropsychopharmacologist interested in analyzing the neural substrates of intracerebral, drug self-injection in rats. Write, including curriculum vitae, to:

**Professor Bartley G. Hoebel
Department of Psychology
Princeton University
Princeton, N.J. 08540**

ASSOCIATE OR SENIOR SCIENTIST

Applications are being accepted for an appointment to the Resident Scientific Staff in the Biology Department at the Associate or Senior Scientist level. The candidate should be an ecologist with considerable experience in fisheries biology, combining laboratory and field experiments relating to fish production. Teaching experience and interest in graduate student training desirable. Appointee will be expected to design and implement a research program on the ecology of a salmon river. The appointee will also be expected to carry out research at the Woods Hole Oceanographic Institution, in addition to directing and coordinating research at a field laboratory on the North Shore of the Gulf of St. Lawrence.

Send detailed resume to Personnel Manager.



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An Equal Opportunity Employer M/F

RESEARCH and DEVELOPMENT OPPORTUNITIES

The Ames Company Division of Miles Laboratories, Inc. is seeking imaginative, and creative scientists. Several employment opportunities exist in our immunochemistry department for research and development of new medico-diagnostic test systems.

RESEARCH SCIENTIST

The successful candidate will have a Ph.D. with one to two years experience in the areas of biochemistry and/or immunochemistry. The level of work performed will involve primary project responsibility. Duties will include theoretical and applied research using techniques of competitive binding as they relate to radioimmunoassays.

SR. ASSOCIATE RESEARCH SCIENTIST (two positions)

The successful candidate will have an M.S. with three to four years experience in biochemistry and/or immunochemistry or will be a recent Ph.D. graduate in these areas. The level of work performed will involve shared project responsibilities. Duties will include theoretical and applied research using techniques of competitive binding as they relate to radioimmunoassays.

Located in Elkhart, Indiana, a community of 50,000 population, we offer excellent recreational and educational facilities as well as convenient accessibility to the Chicago area. Excellent starting salary commensurate with experience plus a superior benefits program. Relocation benefits paid by the company.

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Linda Holland
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Dept. 859

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Clinical Research Associate

Abbott Laboratories, an international leader in the health care industry, is seeking a Senior Clinical Research Associate to work with project physicians in pharmaceutical drug development projects. Responsibilities will involve individual clinical projects from conceptualization through final design and execution, including financial arrangements. The qualified candidate will also assist in the overall planning of clinical research programs and serve as liaison with biostatistical and data processing specialists.

An M.S. and at least 3 years of related experience are required, while a Ph.D. in biological or medical science is preferred. Background should include knowledge of experimental study design, writing protocols, federal regulations, and associated scientific/pharmaceutical research areas. Strong interpersonal communications skills are also a must.

The person who qualifies for this position can look forward to an excellent salary and benefits program. For immediate consideration, send a detailed resume in confidence to:

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research scientist

PHARMACOLOGY DEPARTMENT

Opening for Research Scientist in Pharmacology Department to design, conduct and report studies on OTC analgesic antipyretic, anti-inflammatory agents and/or gastrointestinal and dermal drugs. Candidate should have Ph.D. in Biological Sciences with strong background in pharmacology, physiology of the skin or biochemistry. Would consider BS or MS degree in same disciplines with 3-10 years of suitable experience in OTC products in the cosmetics or toiletries industry. Experience with small laboratory animal testing desirable; also familiarity with statistical analysis and/or computer applications.

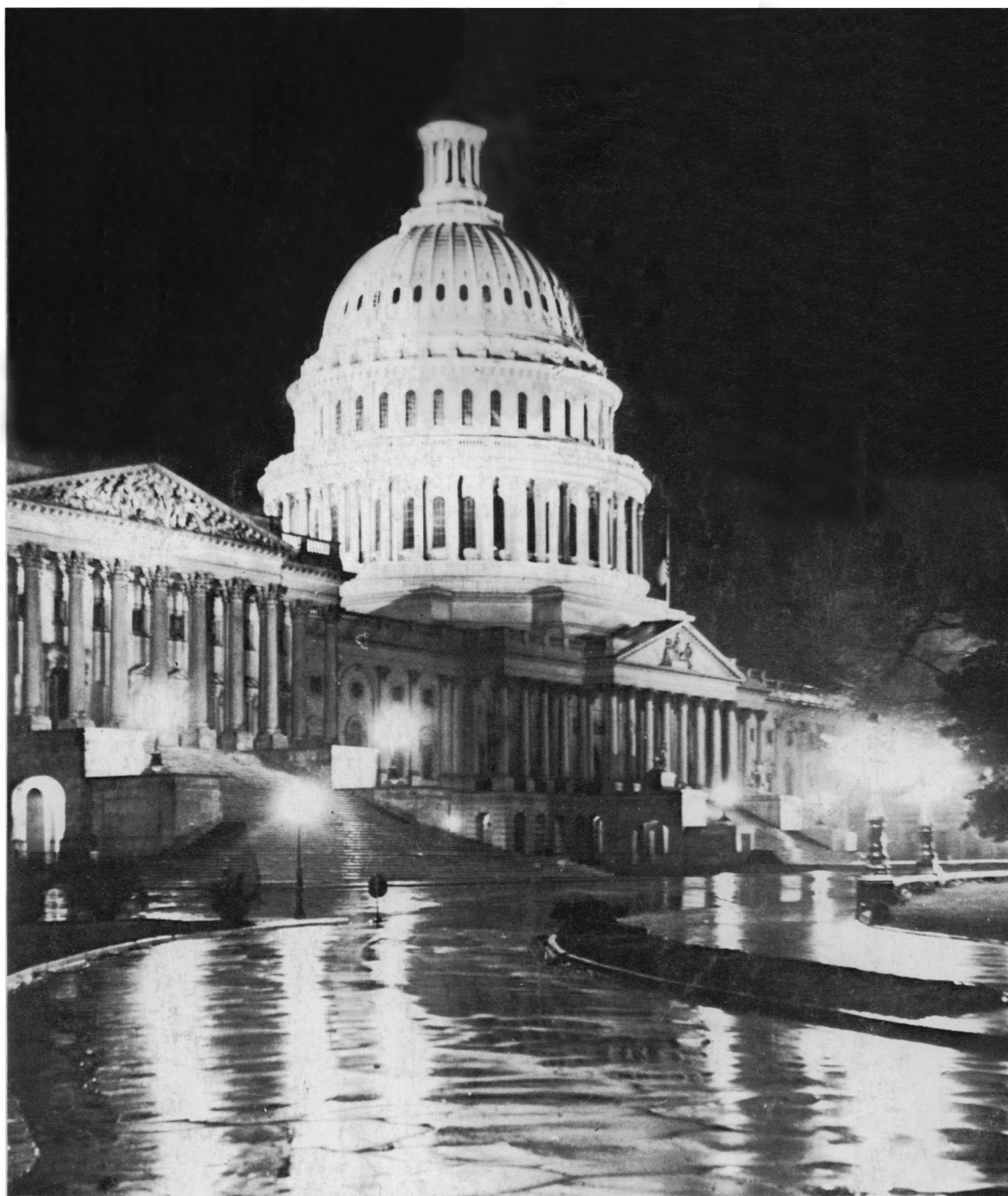
Salary will be commensurate with experience, extremely fine company paid benefit program.

Qualified applicants should send detailed resume including salary history and requirements to: Personnel Department, Bristol-Myers Products, 225 Long Avenue, Hillside, New Jersey 07207. An equal opportunity employer. Age No Barrier. Male and Female.



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