A company is known by the company it keeps.

What you say in SCIENCE says a lot about your business.

Advertising in SCIENCE is one of the easiest—and wisest—decisions a company serving the scientific community can make.

Every ad in SCIENCE is seen by over 153,000 subscribers. Almost five times as many as the other journal in our field.

But superiority in numbers is only the beginning. SCIENCE readers constitute more than 50% of all PhD scientists working in R&D, 69% of all NIH grant recipients, 70% of those recognized as science policy leaders.

Your advertising message in SCIENCE opens a dialogue with these decision-makers, marking your company as a member of a distinguished circle of scientific leaders.

If you have a message for the influentials of science, deliver it in SCIENCE. You’ll be in very good company.
PERSONNEL PLACEMENT

POSITIONS OPEN

ANIMAL BEHAVIOR OR INVERTEBRATE ZOOLOGY. The Department of Biology, University of Central Arkansas, Little Rock, AR seeks an ASSISTANT PROFESSOR position in animal behavior, or invertebrate zoology, to begin 1 August 1990. Recent Ph.D.'s in the above fields are encouraged to apply. Preference may be given to applicants whose research involves cell and molecular biology techniques. The individual must have one year's experience in the specialty, as well as biology for nonmajors courses. Submit curriculum vitae, copies of transcripts, a brief description of teaching philosophy and research career goals, and three letters of recommendation to: Dr. Edmond Griffin, Chairman, Department of Biology, University of Central Arkansas, Conway, AR 72032. Telephone: 501-852-3411. Application deadline for receipt of applications is 1 March 1990. The University of Central Arkansas is an Equal Opportunity Employer.

ASSOCIATE OR ASSOCIATE PROFESSORS OF ANATOMY

The Department of Anatomy at the University of Mississippi Medical Center invites applications for ten-ure-track, state-supported faculty positions. The department has excellent research facilities and active research programs in systems neurobiology, cellular neuroscience, the biology of pain, and the neuro- and neuropsychological basis of addiction. Good research and start-up money are available. The area of research is open, but preference will be given to applicants who are interested in gross anatomy or histology and who have significant potential for attracting extramural research support. Submit curriculum vitae, research plans, and the names, addresses, and telephone numbers of three references to: Dr. Dummy E. Haines, Professor and Chairman, Department of Anatomy, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216. The search process will begin after 15 February 1990. Equal Opportunity Employer, M/F/H/V.

ASSISTANT PROFESSOR AQUATIC ECOCOLOGY/WATER QUALITY

The Division of Biology at Kansas State University has a tenure-track position available at the assistant professor level effective August 1990. Although broadly defined, we are especially interested in aquatic ecologists with postdoctoral experience in biological systems associated with water quality. The division has a strong program in biological research and a distinguished faculty with several millions of dollars in extramural grants. There are many exciting research opportunities available, including the 3487-hectare Konza prairie Natural Area, reserves, rivers, and agricultural irrigation systems. The successful candidate will be expected to establish a vigorous and competitive research program and to participate in our undergraduate and graduate instruction. Candidates should apply by 23 February 1990 by submitting curriculum vitae, position statements and three letters of recommendation to: Terry C. Johnson, Director Division of Biology, Ackert Hall Kansas State University Manhattan, KS 66506. KSU is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR REPRODUCTIVE PHYSIOLOGY

UNIVERSITY OF VERMONT COLLEGE OF MEDICINE

The Department of Obstetrics and Gynecology at the University of Vermont College of Medicine is seeking an individual with a Ph.D. or M.D. and postdoctoral research experience in the area of reproductive endocrinology or vascular physiology to join a research group whose specific interest is the physiological reproduction at the cellular or molecular level. Specific mechanisms of signaling mechanisms of the pituitary hormones, steroids, and neurotransmitters. This tenured or tenure-track position offers an opportunity to teach at the undergraduate and graduate level, to interact with other departments both within and outside of the College of Medicine, and to participate in research in the area of reproductive endocrinology. Please send resume, two representative publications, and the names and addresses of three references to: Dr. H. Riddick, Chairman, Department of OB/GYN, 8415 MFU-Fletcher, MCHV, Burlington, VT 05401. The University of Vermont is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
POSITIONS OPEN

SAINT ANSELM COLLEGE
ASSISTANT PROFESSOR OF BIOLOGY

The Department of Biology seeks applications for a non-tenure track position to begin September 1990 to fill a vacancy due to a faculty retirement. Ph.D. required. Subject area: Genetics. The successful candidate should have a general and molecular background and demonstrate teaching experience in his/her primary area of interest. A biochemistry and microbiology background would be most beneficial. Computer proficiency is desirable. All courses include a laboratory experience and he/she will be expected to plan and conduct a quality laboratory program in assigned courses. He/she will be expected to participate in the department's Senior Directed Studies research program and in the freshman major and nonmajor biology program. Saint Anselm College is a private, 4-year, liberal arts college situated in southern New Hampshire. It is committed to excellence in undergraduate education and has approximately 1800 students. Send curriculum vitae and the names of three references to: Dr. Daniel J. Lavoie, Chairman, Search Committee, Saint Anselm College, Manchester, NH 03102. Application deadline: 7 February 1990.

An Equal Opportunity Employer.

ASSISTANT PROFESSOR POSITIONS
CELLULAR NEUROBIOLOGY/NEUROPHYSIOLOGY
DEPARTMENT OF PSYCHOBIOLOGY
UNIVERSITY OF CALIFORNIA, IRVINE

Applications are invited for two tenure-track positions at the level of assistant professor in cellular neurobiology and systems neurobiology. Preference will be given to applicants who have demonstrated expertise in research areas of interest to the department. The Department of Psychology emphasizes interdisciplinary approaches to the study of neural plasticity and behavior. The current major research themes of the department are developmental neurobiology, following injury, disease, and learning and memory. Please submit, by 1 March 1990, curriculum vitae, description of research interests, and three letters of recommendation to: Chair, Department of Psychobiology, University of California, Irvine, CA 92717.

UCI is an Affirmative Action/EQual Opportunity Employer.

California State University, San Bernardino, which offers B.A., B.S., and M.S. degrees in biology, invites applicants for tenure-track positions in the Department of Biology, available September 1990. Appointment is at the rank of ASSISTANT PROFESSOR/ASSOCIATE PROFESSOR ($21,884 to $39,924/$36,372 to $50,473, respectively, based on experience). Qualifications: Ph.D. in population genetics; extensive grant-supported research, experience, and publication record utilizing Drosophila, Tribolum, or plant populations; experience in teaching general biology, genetics, and population biology at both undergraduate and graduate levels and guiding undergraduate and graduate students in research. Additional expertise in other areas, including entomology, evolution, animal behavior, symbiosis, and plant or animal population ecology, would be desirable. Deadline: 15 March 1990 or until position is filled. Submit letter of application, current vitae, and three letters of recommendation to: Dr. Alexander Sokoloff, Acting Chair, Department of Biology, California State University, 5500 University Parkway, San Bernardino, CA 92407.

An Equal Opportunity/Affirmative Action/Section 504/TITLE IX Employer.

ASSISTANT/ASSOCIATE PROFESSOR. Retrovirologist, faculty position. Applications are invited for a tenure-track assistant/associate professorship in molecular virology in a department active in research in molecular pathogenesis, virology, and immunology. Applicants with expertise in the molecular characterization of retroviral systems are especially encouraged to apply. Successful applicants are expected to establish an independent research program. Teaching responsibilities include participation in courses for medical and graduate students. Candidates should submit curriculum vitae, statement of research experience (including a description of nonacademic research), and a list of three references to: Retrovirology Search Committee, Department of Microbiology, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226. An Equal Opportunity Employer.

FORMULATIONS SCIENTIST

Baxter Hyland Division, a leader in Biological Research, is seeking scientists to join its rapidly expanding Research Group.

We have newly created openings for B.S./M.S. level scientists interested in research directed toward formulation and development of novel proteins that will be used in clinical evaluations. These scientists will assist in product formulation and dosage form development, monitor product stability and evaluate delivery systems. Specific research areas include protein biochemistry, formulation, and lyophilization.

Successful candidates will have a B.S. or M.S. in Pharmacy or Biochemistry and relevant laboratory experience.

We offer a smoke-free work environment. Employment consideration is contingent on the result of a drug screening test. Salary requirement must be stated for consideration. Please forward curriculum vitae to: Baxter Hyland Division, Human Resources, Dept. (MS), 4501 W. Colorado Blvd., Los Angeles, CA 90039. (818) 507-8394.

An Equal Opportunity Employer.

Hyland Division

Baxter

DEAN

COLLEGE OF SCIENCE AND TECHNOLOGY

The University of Southern Mississippi invites applications and nominations for the position of DEAN OF THE COLLEGE OF SCIENCE AND TECHNOLOGY. One of three comprehensive universities operated by the State of Mississippi, USM has an enrollment of 13,000 and a faculty of over 600. Located in the south central part of the state, the University enjoys many advantages by virtue of its proximity to New Orleans, Mobile, Jackson, and the Mississippi and Florida coasts.

The College of Science and Technology, one of six colleges in the University, has 144 faculty and approximately 1800 undergraduate and 300 graduate majors. It is organized into one school and ten departments. The departments include Biological Sciences, Chemistry and Biochemistry, Computer Science and Statistics, Geology, Marine Science, Mathematics, Medical Technology, Physics and Astronomy, Polymer Science, and Science Education. Administered by the College is the School of Engineering Technology which includes programs in Architectural, Computer, Construction, Electronics, Industrial, Mechanical Engineering Technology and, at the graduate level, Manufacturing Technology. The doctoral degree is offered by Biological Sciences, Chemistry and Biochemistry, Polymer Science, and Science Education. New doctoral degrees in Marine Science and Computational Science are currently being reviewed by the Board of Trustees of Institutions of Higher Learning. Eleven academic units offer the master's degree.

Qualifications for the position include an earned doctorate in a discipline within the College of Science and Technology or a related discipline, evidence of professional leadership, a record of sustained scholarly achievement, evidence of ability to secure and develop research funding, and experience in administration or related activities.

Salary, rank, and tenure status will be commensurate with qualifications and experience. Effective date of appointment will be July 1, 1990, or as negotiated.

Applications, nominations, and inquiries will be received in confidence. A letter of application, résumé, and the names, addresses, and telephone numbers of three references should be sent to the address below. Applications received after February 1, 1990, cannot be guaranteed consideration.

COST DEAN ADVISORY SEARCH COMMITTEE
University of Southern Mississippi
Southern Station Box 5002
Hattiesburg, MS 39406-5002
AA/EOE.

12 JANUARY 1990
The Division of Oral Biology, Department of Stomatology, School of Dentistry invites applications for a tenure-track position in the ASSISTANT PROFESSOR level. Minimum requirements include a Ph.D., D.D.S., or M.D. and at least 2 years of postdoctoral experience. The successful applicant will teach in the lecture and laboratory portions of human gross anatomy, as well as in other courses, and in the graduate program. Establishment of an independent research program is expected. Preference will be given to candidates who have demonstrated exceptional ability in cellular/molecular biology and/or related applications, with three letters of recommendation, current curriculum vitae, and a short summary of research plans should be sent by 1 March 1990 to: Susan J. Fisher, Ph.D., Division of Oral Biology, HSW 604, University of California, San Francisco, CA 94143-0512. UCSF is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

OPPORTUNITIES IN ENVIRONMENTAL RESOURCES/REMOTE SENSING

The Department of Environmental Resources, Cook College, Rutgers University, a multidisciplinary department focusing on environmental and natural resource planning and management issues, has two 12-month, tenure-track positions available 1 July 1990. The successful candidate will be expected to establish a vigorous research program and participate in an appropriate graduate program.

ASSISTANT PROFESSOR OF FOREST HYDROLOGY/FOREST MANAGEMENT

The position requires a Ph.D. with at least one degree in forestry and specific education and/or experience in watershed management, remote sensing, and/or geographic information systems. Teaching responsibilities will include a course in advanced water resources management/remote sensing, and participation in a multidisciplinary air photo interpretation course.

ASSISTANT PROFESSOR OF ENVIRONMENTAL PLANNING AND MANAGEMENT

The position requires a Ph.D. in environmental planning, environmental management, or a related field with at least one degree in a physical or biological science. Teaching responsibilities will include an undergraduate two-semester course in environmental planning and a course in environmental management. Research experience should be in the area of land or water resources and/or geographic information system development or applications.

Applications, including a letter of interest, curriculum vitae, brief summary of research interests and goals, and names of three references, should be sent to: S. D. Reed, Search Committee Coordinator, Department of Environmental Resources, Cook College, Rutgers University, New Brunswick, NJ 08903. Cook College, Rutgers University, is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE/FULL PROFESSOR (QUANTITATIVE PLANT ECOLOGIST)- TENURE-TRACK

A Ph.D. in a field of ecology or natural resources management with specialization in forest or range ecology is required. A strong quantitative background, the proven ability to communicate well in teaching, and research experience, and a record of published research in professional, peer-reviewed journals are necessary. Postdoctoral experience is desirable.


UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

DEPARTMENT OF PHYSIOLOGY

VASCULAR BIOCHEMISTRY

The Department of Physiology at the University of California, Los Angeles, invites applications for a tenure-track position in the area of vascular biology. The position requires a Ph.D. or M.D. degree and a proven record of research on a problem of interest in vascular biology. The successful candidate will be expected to have expertise in and conduct research in the area of molecular and/or cellular basis of human and/or experimental cardiovascular processes. Teaching responsibilities include teaching in the undergraduate vascular biology course and involvement in the postdoctoral training program. Applications should include a resume, a statement of research interests, and three letters of reference. Send inquiries to: Dr. D. M. W. Russell, Search Committee Chair, Department of Physiology, UCLA, Los Angeles, CA 90024-1751.

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

UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

DEPARTMENT OF PHYSIOLOGY

SYSTEMS BIOLOGY

The Department of Physiology at the University of California, Los Angeles, invites applications for a tenure-track position in the area of systems biology. The position requires a Ph.D. or M.D. degree and a proven record of research in systems biology. The successful candidate will be expected to have expertise in and conduct research in the area of the molecular and/or cellular basis of human and/or experimental systems biology processes. Teaching responsibilities include teaching in the undergraduate systems biology course and involvement in the postdoctoral training program. Applications should include a resume, a statement of research interests, and three letters of reference. Send inquiries to: Dr. D. M. W. Russell, Search Committee Chair, Department of Physiology, UCLA, Los Angeles, CA 90024-1751.

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

UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

DEPARTMENT OF PHYSIOLOGY

CENTRAL NERVOUS SYSTEM (CNS) TENURE-TRACK POSITION

The Department of Physiology of the UCLA School of Medicine envisions applications for a tenure-track ASsistant Professor position at the University of California, Los Angeles, Division of Physiology, starting in July 1990. The successful candidate will be expected to have expertise in and conduct research in the area of the molecular and/or cellular basis of human and/or experimental central nervous system processes. Teaching responsibilities include teaching in the undergraduate central nervous system course and involvement in the postdoctoral training program. Applications should include a resume, a statement of research interests, and three letters of reference. Send inquiries to: Dr. D. M. W. Russell, Search Committee Chair, Department of Physiology, UCLA, Los Angeles, CA 90024-1751.

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

ASSISTANT PROFESSOR OF MICROBIOLOGY

Applications are invited for a 12-month tenure-track position at the rank of Assistant Professor in the Department of Pathobiology at the University of Pennsylvania, School of Veterinary Medicine. The appointment will be in the Department of Laboratory Animal Medicine, Division of Pathobiology, starting in July 1990. The successful candidate will be expected to have expertise in and conduct research in the area of the molecular and/or cellular basis of bacterial pathogenesis. Teaching responsibilities include teaching in a team-taught core microbiology course for veterinary students. In addition, the candidate will participate in the funding and administration of the graduate education program administered by the combined biomedical faculty of the University of Pennsylvania. Applicants must have a Ph.D., D.V.M., or M.D. degree and should have a demonstrated record of research productivity as well as a strong potential to develop an externally funded research program. Applications will be reviewed as of 1 March 1990 and thereafter until the position is filled. Please send curriculum vitae, a statement of research interests, and the names, addresses, and telephone numbers of three references to: Leonard J. Belo, Chairman, Microbiology Search Committee, Department of Pathobiology, University of Pennsylvania, 3410 Spruce Street, Philadelphia, PA 19104. An Equal Opportunity, Affirmative Action Employer.

ASSISTANT PROFESSOR OF PHYSIOLOGY

Applications are invited for a tenure-track position in the Department of Physiology and Endocrinology, Medical College of Georgia. Candidates must have a Ph.D. or M.D. degree and postdoctoral training. Research competence in any of the following areas is sought to complement existing strengths in skeletal and cardiac muscle, pulmonary circulation, and membrane transport. The candidate is expected to develop an independent and externally funded research program, and to participate in medical and graduate teaching. A statement of research interests and teaching preferences, and names of three references should be sent by 28 February 1990 to: Dr. Robert E. Godt, Department of Physiology and Endocrinology, Medical College of Georgia, Augusta, GA 30902. The Medical College of Georgia is an Equal Opportunity/Affirmative Action Employer.

INSTRUCTOR/ASSOCIATE PROFESSOR. Positions open immediately for full-time/instructor/assistant professor in the Department of Radiology at The University of Texas Southwestern Medical Center at Dallas. Position involves teaching in NMR (magnetic resonance imaging and spectroscopy) of experimental and human tumors. Qualifications include an M.D. or Ph.D. degree and research experience in the field of biological and/or pharmacological effects of radiation and in clinical cancer research. The successful candidate should have an extensive background in pathology. Salary range $30,000 to $35,000. Applicants should send curriculum vitae and three references to: Dr. J. F. Arntz, Ph.D., The University of Texas Southwestern Medical Center, Radiology, 5323 Harry Hines Boulevard, Dallas, TX 75235-9058. An Equal Opportunity/Affirmative Action Institution.

AQUATIC/PHYSIOLOGICAL BIOECOLoGIST

A tenure-track opening at the assistant professor level is anticipated in an expanding Department of Bioscience and Biotechnology. The successful applicant will be expected to initiate and carry out an externally funded program of research, to direct graduate students, and to teach graduate and undergraduate courses in ecology and multiple aspects of this field. Applications will be considered in all areas of interest in aquatic and limnological, or physiological. The area of research is open. Start-up funds, laboratory space, and excellent analytical facilities are available. Drexel is a member of the Joint Marine Science Consortium and has field sites in the New Jersey and Pennsylvania areas. Faculty interact with ecologists at other area institutions. Salary is competitive. Initial screening for the position will begin on 15 February 1990 and continue until a successful candidate is found or until 31 August 1990. Submit applications and three letters of reference to: Dr. Wayne Magee, Head, Department of Bioscience and Biotechnology, Drexel University, Philadelphia, PA 19104. Drexel University is an Equal Opportunity/Affirmative Action Institution and invites applications from women and minorities.
At Burroughs Wellcome Co. we create an environment in which individual initiative can flourish...as our 1988 Nobel winners have attested. We believe such freedom is the strength of our company...using the talents of our people whatever their field of endeavor.

GREAT PEOPLE MAKE A GREAT COMPANY

Research Scientist II

Pos.#61539-5: The Division of Experimental Therapy has an opening for an individual who will support pharmacokinetic and metabolism studies of anti-HIV compounds. The successful candidate will design and execute experimental protocols, conduct in vitro and in vivo experiments, perform spectrophotometric, chromatographic and radiisotopic analysis.

This position requires a Ph.D. in Biology, Biochemistry, Chemistry or related life science or a Master’s degree in the above fields plus two years laboratory experience which must include work with analytical procedures, chromatographic techniques, radiisotopes and in vivo procedures or a Bachelor’s degree in the above fields plus four years laboratory experience in the techniques mentioned above. Experience with data acquisition and reduction devices preferred.

Postdoctoral Fellows

Postdoctoral Fellows are initially appointed for up to 52 weeks with a renewal for a second year upon the mutual agreement of the employee and Burroughs Wellcome Co.

Pos.#61574-5: The Division of Experimental Therapy has an opening for an individual who wants to join a research effort in antisense RNA directed at neoplastic disease. This position requires a Ph.D. in Biochemistry, Biology, Molecular Biology or related field. Ph.D. thesis work must involve molecular biology. Cell culture experience preferred.

Pos.#61637-5: The Division of Molecular Genetics and Microbiology has an opening for an individual who will set up in vivo models of metastatic tumors and evaluate experimental agents in those models. The successful candidate may also investigate biochemical parameters of tumors relevant to chemotherapy. This position requires one year of experience in creating in vivo models of metastatic tumors and evaluation of chemotherapeutic agents on the models. A Ph.D. in the biological sciences with one year postdoctoral experience is desired.

Burroughs Wellcome Co. offers top benefit programs along with very competitive salaries. If you are interested in working for us, submit your resume, indicating position number in your cover letter, by February 28, 1990 to: Burroughs Wellcome Co., Scientific Recruiting and Staffing, 3030 Cornwallis Rd., Research Triangle Park, NC 27709.

For information on job opportunities with Burroughs Wellcome Co. at Research Triangle Park, call our Job Information Line at (919)248-8347 from any touch tone phone.
BIODEAN

Mankato State University (MSU) invites applications and nominations for the position of dean of the College of Natural Sciences, Mathematics, and Home Economics. The college consists of 5 departments, 108 faculty, and offers 25 undergraduate and 9 graduate programs. A doctoral degree in an appropriate academic field, proven effectiveness in teaching and research, and demonstrated administrative ability are required. Additionally, applicants must have active participation in curricular and professional issues and have a commitment to leadership in the development of the external relations, and Equal Opportunity/Affirmative Action. Applications must include a résumé and a names and addresses of three references. Applications are due by 1 February 1990. Please send your applications to: Dr. Richard A. Crofts, Vice President for Academic Affairs, Mankato State University, MSU Box 43, Mankato, MN 56002. Telephone: 507-389-1333.

DEAN

Mankato State University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

BIOC

The Texas College of Osteopathic Medicine is now accepting applications for CHAIRMAN OF THE DEPARTMENT OF ANATOMY AND CELL BIOLOGY. The department currently has 12 faculty members whose research covers a wide variety of areas. The successful candidate should have established research program, teaching experience (preferably medical), and demonstrated managerial skills. Applications must be received by 1 June 1990, and accompanied by curriculum vitae and a list of three individuals who may be contacted as references. Applications should be sent to:

Chairman, Search Committee
Department of Microbiology and Immunology
Texas College of Osteopathic Medicine
3500 Camp Bowie Boulevard
Fort Worth, TX 76107-2690

Texas College of Osteopathic Medicine is an Equal Opportunity/Affirmative Action Employer.

BIOLOGY

Biologist is needed for the Cell and Molecular Biology Group in the Department of Biology. The biologist will participate in the development of a research program in cell and molecular biology. The position is available immediately. Salary is commensurate with experience. Applications should be sent to: Dr. J. H. Craighead, Head, Department of Biology, University of Vermont, Burlington, VT 05405. Applications will be accepted until filled. Women and minorities are encouraged to apply.

BIOPHYSICIST

The position is open for a biophysicist to work in the laboratory of Dr. J. H. Craighead, Head, Department of Biology, University of Vermont. The position is available immediately. Salary is commensurate with experience. Applications should be sent to: Dr. J. H. Craighead, Head, Department of Biology, University of Vermont, Burlington, VT 05405. Applications will be accepted until filled. Women and minorities are encouraged to apply.
POSITIONS OPEN

CHAIRPERSON
DEPARTMENT OF BIOCHEMISTRY

Applications are being solicited for the position of chairperson of the Department of Biochemistry at the Medical College of Wisconsin.

The department's 20 full-time faculty members are engaged in research activities, with particular strengths in protein-structure-function relationships and growing strengths in molecular and structural biology. Research efforts within the department are supported with approximately $1.8 million (direct costs) of annual extramural funding. The department plays a critical role in medical student education and has an active graduate training program. It is housed in one of the college's major research facilities, adjacent to the principal instructional building and directly across the street from the three major adult and children's teaching hospitals within the Milwaukee Regional Medical Center.

This position represents an outstanding professional opportunity to guide the next phase of departmental growth and to join in the intellectual leadership of the college. The candidate we seek must possess excellent academic credentials and demonstrated skills of leadership in administration, teaching, and research.

Please submit nominations, inquiries, or curriculum vitae by 15 March 1990 to:

Roger R. Markwald, Ph.D.
Chairman, Biochemistry Search Committee
c/o Office of the Dean
Medical College of Wisconsin
8701 Watertown Plank Road
Milwaukee, WI 53226

DEAN
COLLEGE OF HOME ECONOMICS

Applications and nominations are invited for the position of dean of the College of Home Economics. The college, comprising of the Departments of Child and Family Development, Foods and Nutrition, Housing and Consumer Economics, and Textiles, Merchandising, and Interiors, is one of 13 colleges and schools at the University of Georgia. The dean serves as chief administrator over all of the college’s programs.

Candidates must have: a doctorate degree in one of the disciplines represented in the college, an exemplary record of teaching and scholarship, and experience in higher administration. The position becomes available after 1 July 1990. Applications must include curriculum vitae plus names and addresses of five references. Applications received by 1 March 1990 are assured of full consideration. Send correspondence to: Dean Gerdahl L. Patel, Chairman of the Search Committee, The Graduate School, The University of Georgia, Athens, GA 30602.

FACULTY POSITION IN CARDIOVASCULAR RESEARCH

The Department of Anesthesiology, Baylor College of Medicine, invites application for an appointment at the ASSISTANT OR ASSOCIATE PROFESSOR level. Candidates should have experience in conducting research in awake instrumented animals and an interest in microcirculation. Candidates should have Ph.D. or an M.D. degree, postdoctoral training, and a strong commitment to developing independent research. Applications including curriculum vitae, representative reprints, names of three references, and a brief description of research interest should be sent to: Joseph P. Buckley, Ph.D., Institute for Cardiovascular Studies, University of Houston, Texas Medical Center, 1441 Moursund, Houston, TX 77030. Equal Opportunity/Affirmative Action Employer.

GENETICS/EVOLUTIONARY BIOLOGY

ASSISTANT PROFESSOR, tenure-track position. Ph.D. required; teaching experience and postdoctoral research experience preferred. Teaching duties will include general genetics with laboratory and an evolution course. Salary competitive. Candidate is expected to establish a research program involving graduate and undergraduate students. Submit résumé, statement of teaching philosophy, research plans, and three references by 1 March 1990 to: Dr. Bonnie Sampsel, Chairman, Biology Department, State University College at Buffalo, 1300 Elmwood Avenue, Buffalo, NY 14222. State University College is an Equal Opportunity/Affirmative Action Employer.

Research Scientist
Animal Model

Corvas, Inc., a biopharmaceutical company located in the biomedical research center of La Jolla, is expanding to address exciting product opportunities in the thrombosis field. We are seeking outstanding scientists to join our drug discovery and development effort.

You will develop and validate animal models for thrombosis and evaluate the efficacy of novel therapeutic agents. The position requires a Ph.D. in animal physiology or biological sciences, 2+ years of experience with animal models of human disease and skills in conducting biochemical assays. Corvas offers attractive salaries and benefits, an excellent opportunity for equity participation and a highly interactive scientific environment. For consideration, please send letter of interest and CV to: Human Resources Director, Corvas, Inc., 11077 North Torrey Pines Road, La Jolla, CA 92037.

If you’re prepared to participate in next-generation product development with an internationally recognized leader, look to Applied Biosystems. Dynamic and team-driven, we foster an open environment where your ideas are more than encouraged—they will set the direction for a future that impacts us all.

Located in the hub of technical and biotechnical excellence, we provide cutting-edge systems and tools for biotechnology research. Today, our continued growth means new opportunity for self-motivated, creative thinkers committed to advancing the boundaries in scientific and technical achievement.

GROUP LEADER
PROTEIN SEQUENCING

Charged with directing chemistry R&D projects within our protein sequencer product group, you will participate in the development of new chemistries and hardware for protein primary structural analyses. You will also promote our scientific leadership by contributing to publications and participating in lectures.

Your Ph.D in Biochemistry, Chemistry, or equivalent, must be backed by 3+ years experience in protein sequencer operations including 2 years’ in a laboratory supervisory role. Published works in the area of protein structural analysis is imperative. Excellent communication skills essential. (Ref. 869.102)

We offer competitive salaries and benefits, including relocation assistance. For immediate consideration, please send your resume indicating Ref.# to ABI, Professional Employment, 850 Lincoln Centre Drive, Foster City, CA 94404. We are an equal opportunity employer m/f/h/v.

C.R. Eggs, Inc., a nationally branded egg producer, is seeking a Director of Research and Quality Control. This person will initiate clinical trials, monitor chemical tests and coordinate research data dealing with product efficacy and related claims. The candidate will have Ph.D. in toxicology, biochemistry or a related discipline and 4 to 5 years’ experience in industry, government or an academic environment. Regulatory experience related to food safety and nutrition is a plus. Applicants should be motivated, self-assured and able to work independently.

For the qualified person, the company is prepared to make adjustment in activity to accommodate the commitment of the candidate to a part-time arrangement, if necessary. This position offers salary commensurate with qualifications and experience, and the opportunity to participate in equity growth of the company. Interested scientists should send a résumé, writing sample and three references to:

C.R. EGGS INC.
500 North Gulph Road
King of Prussia, PA 19406

An Equal Opportunity Employer
A Senior Executive Service Vacancy

ASSOCIATE DIRECTOR

Cancer Prevention Research Program
Division Of Cancer Prevention And Control

Location: Rockville, Maryland

The Associate Director, Cancer Prevention Research Program, will be responsible for the overall planning, coordination and monitoring of a worldwide Cancer Prevention Program designed to provide prompt evaluation of new leads in cancer prevention. The Cancer Prevention Research Program has a staff of approximately 46 who administer a large intramural and extramural program with a budget of approximately $36 million annually.

This is a Civil Service position in the Senior Executive Service (SES) with an annual salary compensation between ES-1 through ES-4 (currently $68,700 to $76,400 per annum). In addition, physicians may be eligible for a Physician's Comparability Allowance up to $20,000 per year. (Applicants alternatively may be eligible for appointment in the Commissioned Corps of the U.S. Public Health Service.) The individual selected, if not presently in SES, must serve a one-year probationary period.

Applications must meet the minimum educational requirements for Medical Officer, GS-602. Applicants must further meet established mandatory professional/technical and managerial/executive requirements. Applicants will be further evaluated on the degree to which they possess additional desirable qualifications in the areas of professional/technical qualifications, managerial/executive qualifications, scientific reputation/peer recognition, training and education, and honors and awards. A copy of the requirements may be obtained by contacting Ms. Dolores Guido in the Personnel Management Branch, NCI, at (301) 496-8182.

Applications for Federal Employment (SF-171), are to be sent to the above individual at:

The National Cancer Institute
Personnel Management Branch
9000 Rockville Pike
Building 31, Room 3A19
Bethesda, Maryland 20892

A current curriculum vitae and bibliography must accompany all applications for entrance into the SES. Resumes are not acceptable applications for entrance into the SES. Public Health Service Commissioned Officers wishing to enter the SES must follow the above procedures. Officers interested in performing the duties of the position within the Commissioned Corps may submit a resume to the above address.

Applications must be received by February 2, 1990.

SELECTION FOR THIS POSITION WILL BE BASED SOLELY ON MERIT, WITH NO DISCRIMINATION FOR NON-MERIT REASONS SUCH AS RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, POLITICAL, MARITAL STATUS, PHYSICAL HANDICAP, AGE, OR MEMBERSHIP OR NON-MEMBERSHIP IN AN EMPLOYEE ORGANIZATION.

NIH IS AN EQUAL OPPORTUNITY EMPLOYER
CLINICAL RESEARCH ASSOCIATES

Amgen, an innovative leader in the discovery and development of human pharmaceutical products through applied biotechnology, is currently seeking several experienced Clinical Research Associates to assist in the monitoring and evaluation of new and ongoing clinical studies. Responsibilities for these positions will include assisting in the implementation, monitoring and supervision of clinical studies. Related responsibilities may also include assisting in the development of clinical protocols, case report forms and preparation of other study documents.

Qualified candidates must have a B.S. degree in the sciences or a BSN or RN and a minimum of one year of experience in clinical research or the pharmaceutical industry. Willingness to travel frequently is essential. Knowledge of FDA regulations and computer familiarity are preferred.

Amgen offers a stimulating and challenging work environment on the leading edge of pharmaceutical development as well as an excellent compensation and benefits package including the opportunity for equity participation. If you have the necessary skills and qualifications and would like the career challenges that only a fast-paced, growing organization can offer, please send a resume, in confidence, to:

AMGEN, INC.
Recruitment, Dept. #503
Amgen Center
Thousand Oaks
CA 91320-1789

Equal Opportunity Employer

Program Manager, Oceanic Biology

The Office of Naval Research (ONR) is seeking a highly qualified individual to plan and manage a sponsored research program in the broad field of oceanic biology. The research sponsored is conducted principally at universities and government and industrial laboratories by leading scientists in the field. This is a Civil Service position at the GM-14 or GM-15 level ($48,592 - $74,303), depending upon qualifications.

Responsibilities for managing the program include conceiving, organizing and directing research and development programs in new areas of oceanic biology. Applicants should have research experience in areas such as bio-optics, bioluminescence, sensory capabilities of marine organisms, and environmental biology and organism influences on particle dynamics. The incumbent will identify new research opportunities, evaluate and select research proposals for funding, manage funding resources, communicate ONR’s interests to the scientific community, and represent the program within the Navy and DoD. This position provides the challenge and opportunity to have a significant impact on the direction and quality of research at the national level.

Applicants must have at least one year of specialized experience although a PhD or equivalent in Oceanography or a related discipline and one year of specialized experience is preferred. To be qualifying, this experience must have been at a level of difficulty and responsibility equivalent to that of the next lower grade level in the Federal Service. Demonstrated ability to interact with senior scientific and managerial officials is preferred.

Interested persons should send a resume, list of publications, and a Standard Form 171, Application for Federal Employment (available at Federal Job Information Centers or from the address below), to:

OFFICE OF THE CHIEF OF NAVAL RESEARCH
Civilian Personnel Division, Code 01242P
Attn: Announcement #90-02 (S)
800 North Quincy Street
Arlington, Virginia 22217-5000

Applications will be accepted through 28 February 1990 and must be received by that date. Applicants are requested to complete the appropriate supplemental forms. For further information and supplemental forms, please call (202) 685-4705.

U.S. Citizenship Required

An Equal Opportunity Employer
**ASSAY DEVELOPMENT**

We are seeking a Ph.D-level biochemist or molecular biologist to work on the development of new medical diagnostic tests for viral diseases based upon a unique nucleic acid probe technology. Prior experience (at least 2 years) in the development and market introduction of new products in medical diagnostics is essential. Strong interpersonal skills and the ability to work within a team setting are crucial to this position. Please send resume to: Personnel Department, Chiron Corporation, 4560 Horton Street, Emeryville, CA 94608 (Position NAC-208). No calls, please.

---

**POSITIONS OPEN**

**UNIVERSITY OF CALIFORNIA RIVERSIDE (UCR) DIRECTOR NEUROSCIENCE PROGRAM**

Applications and nominations are invited for the position of director of the Interdepartmental Neuroscience Program at the University of California, Riverside. Qualifications for the position include: distinguished scholarly achievement, an established program of research, a demonstrated ability to work successfully with federal funding agencies, commitment to excellence in teaching, and the vision and leadership skills to guide the program to its goals of excellence in research and education. The successful candidate will be appointed with tenure as associate or full professor; however, our preference is to appoint an outstanding senior-level professor. The appointment will be made to the campus. Participating in the program: biomedical sciences, biology, chemistry, entomology, psychology.

The current neuroscience group consists of 14 faculty members and has strength in the areas of chemical signalling, synaptic transmission and plasticity, genetics, developmental neurobiology, cellular and molecular neurobiology, and sensory processes and behavior. The University of California at Riverside is the fastest growing of the University of California campuses and the program in neuroscience is expected to share in that growth.

Review of applications will begin 1 March 1990. Applications received before that date will be considered if an appointment is not made from the original pool of applicants. The starting date can be arranged; however, September 1990 would be desirable. Candidates should send curriculum vitae, a list of four names and four references to: Chair of Neuroscience Search Committee, Box M, Neuroscience-075, University of California, Riverside, CA 92521. Informal inquiries to: Dr. John Ash, telephone: 714-787-5792.

UCR is an Equal Opportunity/Affirmative Action Employer. Minority and female applicants are encouraged to apply.

**ECOLOGIST.** Warren Wilson College, a liberal arts college in the Appalachian Mountains near Asheville, North Carolina, seeks to fill a permanent position in environmental studies/biology. Required: Ph.D. with proven teaching and research skills and expertise in an area of field ecology, with preference to generalists. Teach senior-level ecology, introduction to environmental studies, wilderness field course. Send letter and curriculum vitae by 23 February 1990 to: Dr. Paul Bartels, Box 5032, Warren Wilson College, Swannanoa, NC 28778–2099. Affirmative Action/Equal Opportunity Employer.

**ECOLOGIST/BOTANIST.** Applications invited for tenure-track or renewable-track but stable position at the ASSISTANT PROFESSOR level; beginning next week of August 1990. Ph.D. required. Teaching for majors in ecology, botany and environmental science; campuse field biology, and courses for nonscience majors. Undergraduate department has six faculty and offers a major in environmental science in addition to the major in biology. Facilities are exceptional and include outdoor resources. Send curriculum vitae, letter of interest explaining competence to teach courses, and names, addresses, and phone numbers of three references to: Dr. C. E. Harms, Chair, Department of Biology, Western Carolina, New Wilmington, PA 16172.

**EVOLUTIONARY BIOLOGIST.** Louisiana State University (LSU) Museum of Natural Science invites applications for an anticipated tenure-track position for the CURATOR/PROFESSOR (ASSISTANT LEVEL) to begin 13 August 1990. Ph.D. or curatorial experience required. Research interest in herpetology preferred, but those studying other vertebrates are encouraged to apply. Duties will include research, teaching, and management of the museum's herpetological collection. Submit statement of research interest, teaching interests, curriculum vitae, representative publications, and names and addresses of three references to: Dr. R. M. Zink, Museum of Natural Science, LSU, Baton Rouge, LA 70803. Applications will be accepted until 23 February 1990 of the following year or until the position is filled. An Equal Opportunity/Affirmative Action Employer.

---

**COMPUTATIONAL CHEMISTRY AT THE UNIVERSITY OF FLORIDA**

A position of ASSISTANT RESEARCH SCIENTIST is open starting in fall 1990 at the Chemistry Department. This is a continuing, non tenure-acquiring faculty appointment allowed through promotions through the above career ranks. Ph.D. in chemistry or a related discipline is required. Competence is expected in several operating areas: molecular dynamics (MD), VAX, VM/CMS, FORTRAN computing, graphics, and computer networking (TCP/IP, Ethernet). Knowledge of vector and parallel processor methodologies is highly desirable. Duties involve supervision and administration of computer services in the department, upkeep and improvement of hardware, software and documentation, and providing high quality research support. A commitment in research and teaching-oriented activities will be expected and supported. This position is strongly involved with the Quantum Theory Project, a large and very active group of theoretical/computational researchers, and offers ample opportunity for professional development. The person in this position will also be influential in the substantial development of computer-related instruction at the undergraduate and graduate levels. Salary is dependent on qualifications. Applicants should submit curriculum vitae, current research interests and plans, and the names of at least three references to: Computational Chemistry Search, c/o Professor David A. Mobley, 369 Williamson Hall, University of Florida, Gainesville, FL 32611. The deadline for applications at the University of Florida is 15 February 1990. Qualified minority and women candidates are strongly encouraged to apply.

**CRYSTALLOGRAPHER TENURE-TRACK FACULTY POSITION SCHOOL OF BIOLOGY, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL**

The Department of Biochemistry invites applications from macromolecular x-ray crystallographers. Appointment rank to be determined by experience. Equipment available includes an area detector system as well as access to supercomputing and computer graphics. Generous start-up funds are available. Successful applicants will be expected to develop an active research program in structural molecular biology and to participate in departmental teaching. Interested crystallographers should send résumé with statement of research goals, names of at least three references, and two reprints to: Dr. Mary Ellen Jones, Search Chair, Department of Biochemistry, School of Medicine, University of North Carolina, Chapel Hill, NC 27599–7260. Review of applications will start on 15 February 1990. Minority and female candidates are encouraged to apply. Equal Opportunity/Affirmative Action Employer.

**FACULTY POSITION IN FISHERIES BIOLOGY**

The Department of Biology at Southwest Missouri State University anticipates a tenure-track position for an ASSISTANT PROFESSOR beginning August 1990. Applicants must possess a Ph.D. in biology with a specialization in ichthyology and a primary interest in fish management. Teaching responsibilities will include a sophomore course in general biology and courses in fisheries management. The successful candidate will be expected to develop a funded research program. Applicants should send curriculum vitae, transcripts, and three references to: Dr. Robert Wilkinson, Biology Recruitment Committee, Department of Biology, Box 148, Southwest Missouri State University, Springfield, MO 65804. An Equal Opportunity/Affirmative Action Employer.

**JUNIOR FACULTY MEMBER (INSTRUCTOR) to conduct advanced research in molecular neurobiology through research for an NEI-funded project involving electrophysiological recordings from dopaminergic neurons. Applicant should have experience with intracellular and patch clamp recordings from dopaminergic neurons, knowledge of computer programs for data acquisition and analysis. Send résumé and names of three references to: Dr. D. Ger- man, Department of Psychiatry, University of Texas Health Science Center, 6521 Fannin, Houston, TX 77230. An Equal Opportunity/Affirmative Action Employer.

---

**The University of California is an Equal Opportunity, Affirmative Action Employer.**
POSITIONS OPEN

HARVARD UNIVERSITY

Applications are invited for a junior or senior faculty position in mechanical or electromechanical systems. Research interests of the candidate may include the analysis, design, fabrication, and integration of sensors, actuators, and controllers. Candidates specializing in small-scale systems and their applications are of particular interest. The candidate should have a Ph.D. in mechanical engineering or a related field, outstanding research accomplishments, and a strong commitment to undergraduate and graduate teaching. Harvard University is an Equal Opportunity/Affirmative Action Employer. Applications from qualified women and members of minority groups are particularly encouraged. Candidates should submit curriculum vitae including a list of publications and the names of three references before 1 March 1990 to: Professor Thomas A. McMahon, Division of Applied Sciences, P. O. Box 285, Harvard University, Cambridge, MA 02138.

FACULTY POSITIONS IN MOLECULAR BIOLOGY/BIOCHEMISTRY
OREGON GRADUATE INSTITUTE OF SCIENCE AND TECHNOLOGY
(formerly 7 Oregon Graduate Center)

FUNGAL/YEAST MOLECULAR BIOLOGIST:
Research interests in gene expression/regulation, cellular processes such as protein translocation, and the genetics of industrial organisms.

MICROBIAL BIOCHEMIST:
Background in biochemistry, enzymology, and/or molecular biology with research interests in degradation/transformation, metabolic regulation, or the synthesis of natural products.

Requirements: Ph.D., several years of postdoctoral experience, and ability to develop a strong research program and graduate-level course in areas of specialty. Appointments will be made at the level of ASSISTANT PROFESSOR or higher depending on qualifications.

Send curriculum vitae, the names, addresses, and phone numbers of three references by 15 March 1990 to: Dr. Michael H. Gold, Search Committee Chair, Department of Chemical and Biological Sciences, Oregon Graduate Institute, 19600 N.W. Von Neumann Drive, Beaverton, OR 97006-1999.

Equal Opportunity Employer

UNIVERSITY OF QUEENSLAND
BRISBANE, AUSTRALIA
LECTURER/SENIOR LECTURER
IN ANATOMY

The successful appointee will be required to contribute to the teaching of topographical and functional anatomy to students enrolled in subjects within the health and biological sciences. Applicants should have demonstrated research capability in an area of functional anatomy or human biology and will be expected to supervise postgraduate students in these areas.

Reference Number 60589. Closing date: 16 February 1990. Further information is available from the head of department: telephone: (07) 377 2722. Salary: Senior lecturer, AS42,000 to AS49,529; Lecturer, AS35,197 to AS41,841.

Application forms and further details concerning method of application are available from: Appointments (37283), Association of Commonwealth Universities, 36 Gordon Square, London WC1H 03F, England.

Equal Opportunity in Employment is university policy.

The College of Wooster seeks an INVERTEBRATE BIOLOGIST for a tenure-track position to begin fall 1990. Teaching responsibilities include a majors course in invertebrate biology and a nonmajors course. The person will be expected to participate in the college's first-year interdisciplinary program, to direct student research, and to maintain an active research program. Ph.D. required. The College of Wooster reserves the right to alter the search if qualified candidates are women or members of minorities. Applicants belonging to these groups are encouraged to identify themselves if they wish. Send curricula vitae, transcripts, and three letters of recommendation to: Dr. M. D. Kern, Chairman, Biology Department, The College of Wooster, Wooster, OH 44691.


---

**Neurochemists**

**MS/BS**

Pfizer's expanding commitment to neuroscience research has created new career opportunities at the assistant and associate scientist levels. You will be joining a multidisciplinary research team studying pharmacotherapy of mental illness and central nervous system disorders. You should possess a MS or BS degree or the equivalent in a neuroscience related field and 1-3 years of relevant experience.

Openings are available for skilled neurochemists to conduct in vitro and in vivo biochemical experiments. Experience with assays of neurotransmitter function, i.e., measurement of release, uptake, receptor binding, second messenger signals, and data analysis is required. The ability to work independently and to summarize and communicate results effectively is also expected. A working knowledge of cell culture, gel electrophoresis, western blots or enzymatic assays is desirable.

Pfizer offers a stimulating scientific research environment with the opportunity to interact with scientists from several disciplines. In addition Pfizer has a competitive compensation/benefit package and generous relocation assistance to our southeastern Connecticut Shoreline community. Please send a resume, a letter of interest describing your research experience, and names of three references to: Mrs. Lorraine C. Cor, Personnel Associate, Pfizer Central Research, Eastern Point Road, Groton, CT 06340. An equal opportunity employer.
The National Audubon Society is one of the nation’s largest and most effective environmental and conservation organizations, with more than 500,000 members working at international, national, regional, state, and local levels toward effective wise public policy on the use and protection of our natural resources. The Society has a $35 million budget and employs 350 dedicated employees who provide leadership in scientific research, wildlife protection, conservation education, and environmental action.

Audubon bases its conservation and environmental policies on scientific analyses that include both original research and policy analysis. The Senior Vice President for Science and Sanctuaries leads this effort and has the responsibility to present Audubon’s scientific positions to policy makers as well as to ensure that the Society’s positions and practices reflect rigorous scientific assessment. The Division includes 5 departments with 75 full time employees including 14 Ph.D.’s: Field Research, Environmental Policy Analysis, Sanctuaries, Conservation Research Facilities, and American Birds. Scientific investigators on staff engage in individual research and analysis programs and also work on organization-wide campaigns in an integrated fashion with others within the Division as well as elsewhere in the Society.

The position of Senior Vice President for Science & Sanctuaries is based at Audubon’s New York City headquarters and reports directly to the President. The overall budget of the Division approaches $6 million per year. In addition to the basic responsibility to ensure the scientific standards of the organization, the Senior Vice President is responsible for divisional administration, budgeting, and identifying and securing monies to support the program.

Qualified applicants should possess a Ph.D. in a related discipline, with at least 8 years of experience beyond graduate school. That experience should include independent research, research management, grant solicitation and accounting, as well as significant administrative work. Current areas of research may include, but are not limited to, global warming, ecological processes, wetland hydrology, ecosystem function, or population ecology of wildlife, including birds. We seek, in particular, a candidate with breadth of background and experience and a willingness to find innovative scientific solutions to today’s environmental and conservation challenges.

Applications should include a C.V., a list of publications, a summary of current and future research plans, and salary history. We offer a competitive compensation and benefit plan that includes relocation. All materials should be sent to:

Robert I. Norman
Director of Human Resources
NATIONAL AUDUBON SOCIETY
950 Third Avenue
New York, N.Y. 10022

Equal Opportunity/Affirmative Action Employer
Minorities are encouraged to apply.
Center for Biotechnology and Bioengineering

The University of Pittsburgh announces the establishment of three senior faculty positions to lead the interdisciplinary research programs of the Center for Biotechnology and Bioengineering. This institute will be headquartered in a new facility and closely associated with the Schools of Medicine, Engineering, Arts and Sciences, and Business. The primary responsibility of the Assistant Directors will be to recruit for and develop the programmatic thrust for their respective units. They will be part of a collaborative management team for the Center’s research, educational, and technology transfer programs.

Assistant Director for Biology
This Division will enhance and expand ongoing University initiatives in immunomodulators, protein structure and function, gene expression, neuroscience, and cancer research.

Assistant Director for Bioinstrumentation
The focus of this Division will be bioanalytical methods, physiological data acquisition and analysis, sensors, clinical diagnostic techniques, and image analysis.

Assistant Director for Biocomputing
The focus of this Division will be computational aspects of molecular modeling, software for genetic and medical informatics, modeling of biological systems, and data base management.

Priority will be given to inquiries, nominations, and applications received by February 23, 1990.

Dr. Jerome S. Schultz, Director
Center for Biotechnology and Bioengineering, 911 William Pitt Union
University of Pittsburgh, Pittsburgh, PA 15260

Affirmative Action/Equal Opportunity Employer

THE UNIVERSITY OF ARIZONA
DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY
AND THE ARIZONA CANCER CENTER

FACULTY POSITION
IMMUNOLOGY/CANCER BIOLOGY

Applications are invited for a tenure track faculty position in the field of Immunology as broadly related to cancer to augment our existing faculty group. Research in the areas of tumor immunology related to the regulation of proliferation and differentiation, lymphokines, growth and regulatory factors and cell-cell recognition are of special interest. However, outstanding scientists in other areas will also be considered. Candidates for this position should have at least two years of pertinent postdoctoral experience. The successful candidate will be expected to develop a nationally recognized independent research program and participate in related departmental teaching. A wide variety of interactions with our faculty are possible in many areas of immunology, biochemistry, molecular & cellular biology, and clinical cancer research (including a recently established bone marrow transplant program). We provide excellent physical facilities, a stimulating research environment, and competitive salary and benefits. The recently completed Arizona Cancer Center facility and the Biotechnology Division as well as new scientific leadership in Microbiology and Immunology add to the many scientific resources available at the University of Arizona. Applicants should provide a curriculum vitae, two copies of recent representative publications, and a detailed description of research goals. The applicant should also arrange for three letters of recommendation to be sent directly to us. The search committee will begin reviewing applications on February 15, 1990 and will continue to accept applications until the position is filled.

The University of Arizona is an Equal Opportunity/Affirmative Action Employer and applications from female and minority group members are strongly encouraged.

Submit applications to: John Marchalonis, Ph.D., Chairman, Department of Microbiology & Immunology, University of Arizona, College of Medicine, 1501 N. Campbell Avenue, Tucson, AZ 85724

PCR DIAGNOSTICS

S

ubstantial progress has been made at Hoffmann-La Roche over the last year in PCR DNA Probe Research and Development: Roche Biomedical Laboratories is currently commercializing a PCR assay for the detection of HIV; Roche Diagnostic Systems has developed rapid, colorimetric PCR assays for detecting viruses and bacteria in clinical specimens.

We are accelerating the expansion of the DNA Probe Diagnostic Group and we are looking for additional scientists to build upon our strong technical and marketing foundation:

Assay Development

Group Leader and Senior Scientist positions are available for developing viral or bacterial screening and diagnostic assays. A strong background in clinical virology or microbiology required; working knowledge of molecular biology, DNA probes and PCR hybridizations is also necessary.

Assay Formats

Senior Scientist positions are available for developing second generation DNA probe formats. A strong background in assay development and molecular biology is desired; experience with designing sample processing or homogeneous hybridization/detection methods is required.

Instrument Chemistries

Group Leader and Senior Scientist positions are available to develop systems for automating sample processing and PCR hybridization assays. Will be responsible for interfacing with Roche's engineering/instrumentation subsidiary. A strong biochemistry background is required; experience designing automated immunoassays or DNA probe assays also required.

For confidential consideration, please send your resume, indicating present salary (those without this information will not be acknowledged), to: Mrs. Eleanor M. Malone, Staffing and Employee Services, Department JL190, Hoffmann-La Roche Inc., Nutley, New Jersey 07110. We are an equal opportunity employer.
ACADEMIC RESEARCH ENHANCEMENT AWARD

The Academic Research Enhancement Awards (AREAs) provide funding for feasibility studies, pilot studies and other small-scale health-related research projects. Awards are made in amounts up to a total of $75,000 in direct costs (plus applicable indirect costs) for a period of up to three years; however, no more than $35,000 in direct costs may be awarded for any one year.

Eligibility Requirements

1. Applicant Institutions
   All domestic institutions offering baccalaureate or advanced degrees in the sciences related to health are eligible, except those that have received an NIH Biomedical Research Support Grant (RR00718) of $20,000 or more per year for four or more years during the period from FY 1983 through FY 1989.

2. Applicant Principal Investigators
   Must not have active research grant support (including an AREA) from either NIH or the Alcohol, Drug Abuse and Mental Health Administration (ADAMHA) at the applicant institution at the time of award of an AREA grant.

   May not submit a regular NIH or ADAMHA research grant application for essentially the same project as a pending AREA application.

   Are expected to conduct the majority of their research at their own institution, although limited access to special facilities or equipment at another institution is permitted.

   May not be awarded more than one AREA grant at a time nor be awarded a second AREA grant to continue the research initiated under the first AREA grant.

Award Criteria

Funding decisions are based on the project’s scientific merit and relevance to NIH programs, and the institution’s contribution to the undergraduate preparation of doctoral-level health professionals. Among projects of essentially equivalent scientific merit and program relevance, preference will be given to those submitted by institutions that have granted baccalaureate degrees to 25 or more individuals who, during the period 1983-1989, obtained academic or professional doctoral degrees in the health-related sciences.

APPLICATION RECEIPT DATE

June 22, 1990

Anticipated Number of Awards: Approximately 112 grants

Contact information and application materials:

Office of Grant Inquiries
Division of Research Grants
National Institutes of Health
Westwood Building, Room 449
Bethesda, Maryland 20892
(301) 496-7441

---

POSITIONS OPEN

SWISS INSTITUTE FOR EXPERIMENTAL CANCER RESEARCH
LAUSANNE, SWITZERLAND

Applications are invited for a junior or senior STAFF MEMBER position in the field of cell-cell or cell-extracellular matrix interaction studies to develop a strong independent and competitive research program and to interact productively with existing research groups. The successful candidate will be able to start activity in the beginning of 1991. Applications including curriculum vitae and bibliography as well as the names and addresses of three referees, should be submitted by 15 May, 1991 to: Dr. F. Trubel, Swiss Institute for Experimental Cancer Research, Chemin des Boveresses, CH-1066 Epalinges s/Lausanne, Switzerland.

REED COLLEGE, 1-YEAR POSITION IN MOLECULAR GENETICS

The Biology Department is seeking a person to fill a 1-year position in molecular genetics. Applicants should have a Ph.D. in an appropriate field, preferably with teaching experience. Teaching duties include two upper-division undergraduate courses (one with a laboratory section), a 4-week segment of the introductory course, and supervision of a small number of senior research students. Supplies will be available to support the successful applicant’s research activities. Applications, including three recent letters of recommendation, should be submitted by 15 February 1990 to: Dr. J. A. Berg, Chairman, Reed College, Portland, OR 97202-8199. Reed College is an Equal Opportunity/Affirmative Action Employer.

The University of Texas Southwestern Medical Center is seeking a person with 3 years of postdoctoral experience with a Ph.D. in biochemistry or molecular biology. This is a JUNIOR FACULTY POSITION AT INSTRUCTOR level. Applicant should have experience in cell culture of neuronal cell lines and hybridomas, DNA manipulations, in situ hybridization, and recombinant DNA methods. Will perform studies on the cloning and sequencing of neurotransmitter enzymes. Send curriculum vitae to: Dr. H. M. Lieberman, Department of Pharmacology, University of Texas Southwestern Medical Center, Dallas, TX 75235. The University of Texas Southwestern Medical Center is an Equal Opportunity Employer.

HUMAN GENETICIST

Immediate opening for an M.D. or Ph.D. with interest in molecular, biochemical, population, or cytogenetics. Responsibilities include: development of an independent research program and to provide administrative support for the NIGMS Human Genetic Mutant Cell Repository. Development of new methods and new faculty appointment are available. Send curriculum vitae, statement of research interests, and the names of three references to: Dr. R. L. Pfeiffer, University of Texas Southwestern Medical Center, Dallas, TX 75235. The University of Texas Southwestern Medical Center is an Equal Opportunity Employer.

MAMMALOLOGIST

University of Alaska, Fairbanks (UAF), Museum and Department of Biology and Wildlife; seek CURATOR OF MAMMAL SPECIMENS ASSISTANT PROFESSOR. 9-month, full-time, tenure-track. Duties: curation, 50%; teaching, 25%; research, 25%. Salary about $30,000 (9 months). Required: Ph.D. or equivalent degree in mammalogy or closely related field, experience in curation of a mammal collection, university teaching, research, and the use of systems of anatomy, paleontology, or paleoecology. Preferred: Strong professional experience in each area, broad mammalian interests, and experience with smaller mammals.

APPLICATION RECEIPT DATE

June 22, 1990

Anticipated Number of Awards: Approximately 112 grants

Contact information and application materials:

University of Alaska, Fairbanks (UAF), Museum and Department of Biology and Wildlife

MAMMALOLOGIST

University of Alaska, Fairbanks (UAF), Museum and Department of Biology and Wildlife; seek CURATOR OF MAMMAL SPECIMENS ASSISTANT PROFESSOR. 9-month, full-time, tenure-track. Duties: curation, 50%; teaching, 25%; research, 25%. Salary about $30,000 (9 months). Required: Ph.D. or equivalent degree in mammalogy or closely related field, experience in curation of a mammal collection, university teaching, research, and the use of systems of anatomy, paleontology, or paleoecology. Preferred: Strong professional experience in each area, broad mammalian interests, and experience with smaller mammals.

APPLICATION RECEIPT DATE

June 22, 1990

Anticipated Number of Awards: Approximately 112 grants

Contact information and application materials:

University of Alaska, Fairbanks (UAF), Museum and Department of Biology and Wildlife

---

HEALTH SCIENCES POLICY

The Institute of Medicine of the National Academy of Sciences (NAS) is seeking a candidate to assist the study director of the congressionally mandated study of the coadministration of certain service/research programs of the National Institutes of Health and the Alcohol, Drug Abuse, and Mental Health Administration. Will prepare committee background materials, analyze and synthesize materials prepared by others, and assist in policy analysis, and preparation of final report. Ph.D. preferred, but M.S. or equivalent with four or more years of related experience will be considered. Knowledge of neuroscience or behavioral science highly desirable. Must have demonstrated research, technical, and/or policy analysis capability. Excellent oral and written communication skills required, demonstrated ability to manage a project, including project planning and budget management, and ability to do literature searches and library research required. Send resume to: NAS (RB), IOM 2133-325, 2101 Constitution Avenue, NW, Washington, DC 20418. Equal Opportunity Employer.

LEPIDOPTERAN BIOLOGY

HARVARD UNIVERSITY

DEPARTMENT OF ORGANISMIC AND EVOLUTIONARY BIOLOGY

The Sidney A. and John H. Hessler PROFESSORSHIP OF BIOLOGY, for research and teaching in lepidopteran biology, with responsibility for curating the lepidopteran collection of the Museum of Comparative Zoology.

Applications should have demonstrated excellence in research and a commitment to teaching at the graduate and undergraduate levels, and a strong interest in systematics and a readiness to assume curatorial responsibilities for a large and important collection of lepidoptera. CURRICULUM VITAE, statement of interest, and names of three recommenders should be sent to the committee no later than 22 January 1990:

Committee: Hessler Professorship Search
Attention: E. A. L. Meier
Department of Organismic and Evolutionary Biology
26 Oxford Street
Cambridge, MA 02138-2902

Harvard University is an Affirmative Action/Equal Opportunity Employer.

MEDICINAL CHEMISTRY FACULTY POSITION: DRUG DEVELOPMENT USING MOLECULAR GENETICS

The Department of Medicinal Chemistry, University of Minnesota, invites applications for a tenure-track ASSISTANT PROFESSOR position beginning in August 1990. Candidates should have a Ph.D. in medicinal chemistry or a related field, postdoctoral experience, and a demonstrated capability to develop a strong graduate research program in the design and production of new drug entities using site-directed mutagenesis, recombinant DNA technology, and other biochemical and biotechnological tools. Teaching will be at both the undergraduate and graduate levels. Candidates with expertise in applications of molecular biology to drug design are especially encouraged to apply. Candidates should send curriculum vitae and a proposed research program, and arrange to have three letters of recommendation sent to: Professor Thomas Shier, Department of Medicinal Chemistry, College of Pharmacy, University of Minnesota, 308 Harvard Street, S.E., Minneapolis, MN 55455. The deadline for receipt of applications is 15 March 1990. The University of Minnesota is an Equal Opportunity Educator and Employer and specifically invites and encourages applications from women and minorities.

MOLECULAR BIOLOGIST/GENETICIST ASSISTANT PROFESSOR

The Biology Department, Wells College, invites applications for a tenure-track position beginning September 1990 to teach genetics, molecular biology, microbiology, and immunology. Applicants must have a Ph.D. and postdoctoral experience and a strong commitment to teaching. Applicants and the college will be encouraged to develop a research program involving qualified undergraduates. Interested persons should send curriculum vitae, transcripts, a statement of teaching and research goals, and three letters of recommendation by 1 March 1990 to: Dr. A. Thomas Waterer, Chair, Division of Natural Sciences, Wells College, Aurora, NY 14802. Wells College is an Equal Opportunity/Affirmative Action Employer.
The Diagnostics Division of Abbott Laboratories has helped establish Abbott as an undisputed leader in the development of innovative medical diagnostics products. Our successes have been numerous, including breakthroughs in developing tests for detecting hepatitis B, AIDS, and HTLV I. Currently, we seek the following individuals:

**MOLECULAR ViroLOGIST**—The selected individual will formulate and direct the development of new diagnostic assays for recently discovered viruses. At least 5 years postdoctoral experience working with either hepatitis or flaviviruses plus knowledge of the pathogenesis of these viruses is required. Molecular biology experience including cloning and sequencing is essential, supervisory experience is desirable. Job #7540.

**CELL BiOLOGISTS**—The qualified individuals must have a degree in the Life Sciences with extensive experience using embryonal stem cells in generating chimeraic animals and/or experience in generating transgenic animals. Job #93D.

**NUCLEIC ACID CHEMIST**—The qualified individual must have at least 4 years postdoctoral experience, and be capable of directing a program to facilitate the development of probe diagnostic assays. Experience with DNA secondary structures, thermodynamics of macromolecules, and parameters affecting structure and conformational changes in DNA in vitro are required. Job #7620.

**OLIGONUCLEOTIDE PROCESS DEVELOPMENT**—We seek B.S., M.S., and Ph.D. scientists with extensive experience in the synthesis, purification and characterization of oligonucleotides to work towards the development of DNA probe assay products. Individuals are sought for technical positions as well as those involving formatting and directing programs. Responsibilities will include the optimization of conditions for producing these reagents at a manufacturable scale. Candidates should be highly goal-oriented and be able to function within a team environment. Job #7600.

**BIOCHEMIST/IMMUNOCHEMIST—Cardiovascular/Endocrinology**—We currently seek individuals to function as project managers and staff scientists for the development of Diagnostic Assays for physiological analytes. The preferred candidates will possess a Ph.D. in Biochemistry or Clinical Chemistry; postdoctoral or industrial experience is preferred. Research background should include protein biochemistry, immunochemistry, ligand binding assays and immunoassay techniques. Familiarity with endocrinology, nutrition, and/or cardiovascular research is desirable. Job #90Y.

Our headquarters are established in an attractive suburb just 30 miles north of Chicago. Abbott provides a competitive salary and benefits package including profit sharing. On your resume, please indicate the Job Number of the position in which you’re interested, and forward it to: Keith Allen, Corporate Placement, Abbott Laboratories, 1 Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer.
Biology Department
Scientific Staff Vacancy

PLANT SCIENTIST
Applications are invited for a staff position in the area of plant cell biology, structural biology, molecular biology or genetics. Applicants should have a Ph.D. or equivalent degree and relevant postdoctoral training. The selected candidate will be expected to develop an independent and creative program on a biologically important topic relevant to plants.

- The Biology Department has strong programs in molecular genetics, structural biology, DNA damage and repair, virology, and plant molecular biology.
- Offer includes excellent start up funding and facilities, a competitive salary, and a comprehensive benefits package.

This is a reopened search. New respondents should submit a curriculum vitae, a list of at least three professional references, and a statement of research interests to: Dr. G. Hind, Biology Department, Brookhaven National Laboratory, Associated Universities, Inc., Upton, L.I., New York 11973. Deadline for applications is February 26, 1990. Equal opportunity employer, M/F.

PENN
UNIVERSITY OF PENNSYLVANIA

Howard Hughes Medical Institute
INVESTIGATORSHIPS

The University of Pennsylvania School of Medicine is renewing its search to identify outstanding scientists for several senior- and junior-level Howard Hughes Medical Institute (HHMI) investigatorships.

Recruitment efforts are focused in three programmatic areas—molecular genetics, molecular neurosciences and molecular immunology—but applications are also invited from individuals with exceptional credentials and promise in other fields. Laboratories and equipment are “state-of-the-art” and are located in a recently opened biomedical research facility. Each individual approved for an HHMI investigatorship will have a faculty appointment in one of the School of Medicine’s academic departments.

The University is an equal opportunity, affirmative action employer. Women and minority candidates are encouraged to apply.

Interested applicants should send curricula vitae to:

William N. Kelley, M.D.
Executive Vice President and Dean
University of Pennsylvania
Medical Center
2nd Floor John Morgan Building
Philadelphia, PA 19104-6055

BUILDING A NEW LAB?

LET THE SCIENCE FREE PRODUCT INFORMATION SERVICE PUT YOU IN TOUCH WITH THE VENDORS WHOSE PRODUCTS YOU WILL NEED.

SIMPLY WRITE US A LETTER STATING THE SPECIFICS ABOUT YOUR PROPOSED LAB AND WE WILL DO THE REST.

WRITE TO:

SCIENCE MAGAZINE
NEW LAB SERVICE DEPT.
1515 BROADWAY
NEW YORK, N.Y. 10036
New Franklin Institute Awards

The Benjamin Franklin National Memorial of the Franklin Institute proudly announces the inauguration of the Bower Awards for achievement in science and business.

The science award, with a cash prize of $290,000, will be presented to that scientist whose brilliant discovery has significantly advanced a field of science.

The business award will be presented to that business leader who makes the greatest contribution to the advancement of economic or social interests of any business while adhering to the highest ethical standards.

Awards will be presented annually during a major convocation. Submit nominations before April 17, 1990. For guidelines and official nomination forms please contact:

Dr. Larry E. Tise, Executive Director
Benjamin Franklin National Memorial
The Franklin Institute
Benjamin Franklin Parkway and 20th Street
Philadelphia, PA 19103
(215) 446-1329
**Marine Prototzoologist/Microzooplankton Ecologist**

The University of Maryland (UM) Horn Point Environmental Laboratory is seeking a marine prototzoologist with primary interests in the areas of trophic dynamics and nutrient cycling of prototzoan grazers in the position held by the former director. Duties will include teaching assistant, associate, or full professor level of the tenure-track ranks. The successful candidate is expected to develop a strong independent research program as well as teach and advise students in the program. Rank and salary commensurate with experience.

Please send curriculum vitae, summary of research interests, and the names of four references by 1 April 1990 to: Dr. Hugh Ducklow, Chairman, Search Committee, Horn Point Environmental Laboratory, PO Box 775, Cambridge, MD 21613. Telephone: 301-228-8200. UM is an Affirmative Action/Equal Opportunity Employer.

---

**Microbial Evolution**

The Department of Ecology, Evolution, and Behavior of the University of Washington invites applications for a tenure-track position in microbial evolution. The applicant's research should complement ongoing studies in the areas of molecular evolution, evolutionary developmental biology, population genetics, and systematics.

The University of Washington is an Equal Opportunity Employer and invites applications from minorities and women.

---

**Neurobiologist**

The Department of Pharmacological and Physiological Sciences invites applications for a tenure-track position in neurobiology. The applicant's research should complement existing strengths in sensory physiology, ion channels, neurotransmitter receptors and second messengers, and neuropharmacology. The applicant should have demonstrated capability for research support.

The University of Chicago is an Equal Employment Opportunity Employer.

---

**Paleoecologist**

The Smithsonian Tropical Research Institute is seeking a paleoecologist to begin a major expansion of its terrestrial and marine research program in the paleoecology of tropical America. The institution is located in Panama City, Panama, and has headquarters in the Republic of Panama.

Applications should include curriculum vitae, names, addresses, and telephone numbers of five references. Send to: Paleocology Search Committee, Smithsonian Tropical Research Institute, APO Miami 04402-0011.

---

**Parasite Biochemist**

Applications are invited for a tenure-track faculty position at the ASSISTANT TO FULL PROFESSOR level in the Department of Pharmacology. The applicant's research should complement existing strengths in cellular and molecular biology. The applicant should have demonstrated capability for research support.

The University of Washington is an Affirmative Action/Equal Opportunity Employer and we are particularly interested in receiving applications from qualified women and minority candidates.

---

**Plant Physiologist**

The Department of Biology and Neurobiology invites applications for a tenure-track position in the area of plant physiology. The applicant's research should complement existing strengths in cellular and molecular biology, and applications from individuals who have experience in plant physiology and biochemistry are encouraged.

The University of Washington is an Equal Opportunity/Affirmative Action Employer and applications from qualified women and minority candidates are encouraged.

---

**Protein Biochemist**

Protein biochemist with five or more years of experience in structure, assembly, and gene expression of human multimeric proteins is needed. Candidate must have demonstrated ability to compete for research grants as a principal investigator. Salary is commensurate with qualifications and experience. Send curriculum vitae, reference letters of three professional references by 1 February 1990 to: Dr. Gary Baskin, Delta Regional Primate Research Center, Tulane University (TU), Three Rivers Road, Covington, LA 70433. TU is an Affirmative Action/Equal Opportunity Employer.

---
POSTDOCTORAL SCIENTIST
MOLECULAR NEUROBIOLOGY NEUROGENERATIVE DISORDERS

Bristol-Myers Squibb, a leader in the discovery of CNS therapeutic agents, is expanding its commitment to research in the molecular neurobiology of neurodegenerative disorders. An immediate opportunity is available for a Postdoctoral Scientist who has either recently completed a doctoral dissertation or 1-2 years postdoctoral training.

The ideal candidate should possess experience and a strong desire to conduct basic molecular neurobiology research. Familiarity with frog oocyte expression systems; gene cloning, expression, and transfection techniques; as well as the ability to integrate this research into the CNS drug discovery process are essential. Experience in transgenic/embryonic stem cell biology is a plus. In addition, the applicant should possess strong interpersonal skills and should be able to interact and collaborate with scientists from different therapeutic areas.

BRISTOL-MYERS SQUIBB offers competitive salaries, excellent benefits and career growth opportunities. Qualified candidates should send their curriculum vitae, with salary requirements, in confidence to: BRISTOL-MYERS SQUIBB COMPANY, Pharmaceutical Research & Development Division, Attn: SS-1, P.O. Box 5101, 5 Research Parkway, Wallingford, CT 06492-7661.

An equal opportunity employer M/F/H/V

Bristol-Myers Squibb Company

EXPLORE WITH US.

Clinical Research Associates

Where Research Is The Driving Force, There’s Never a Shortage Of Exciting New Discoveries.

IMODIUM® NIZORAL®, SUFENTANIL, HISMANAL®, ALFENTANIL®. These are just some of the important new drugs that have been developed here at Janssen Research Foundation. And we continue to make new discoveries at an extraordinary pace. In fact, we’re the world’s most prolific discoverer of new therapeutic agents.

We recognize that our success is based upon the vital contribution made by every member of our research team, including our Clinical Research Associates. From writing protocols to training investigators, the work you’ll do here as a Janssen CRA is critical.

And you’ll be rewarded accordingly.

Working for a member of the Johnson & Johnson Family of Companies, you’ll enjoy a competitive salary and a comprehensive benefits package including our on-site total health facility, the Live For Life Wellness Center. And with the frequency with which new discoveries are made here, there’s ample opportunity for career advancement.

Biostatisticians, Medical Writers, and professionals in Regulatory Affairs and Professional Services will find rewarding career opportunities here as well. If you’re excited at the prospect of working where new discoveries are continually taking place, we invite you to send your resume and salary history to: Janssen Research Foundation, Employment Office, Box S190, 40 Kingsbridge Road, Piscataway, New Jersey 08854. An Equal Opportunity/Affirmative Action Employer M/F/H/V.

JANSSEN RESEARCH FOUNDATION

"Where Research Is The Driving Force"

A Johnson & Johnson Company
Post-doctoral Scientist
Monsanto Agricultural Company, a recognized world leader in innovative agricultural research, has an immediate opening in our Biobartical Design Section for a highly motivated, creative professional with strong problem solving skills and the desire to work in a multidisciplinary team environment at the leading edge of herbicide discovery.

ENZYMOLOGIST/BIOCHEMIST: This successful candidate will play a key role in our research team by providing new enzyme mechanism and substrate binding information to dramatically impact successful inhibitor design strategies. A Ph.D. in mechanistic enzymology, bioorganic chemistry, or physical biochemistry is required with experience in protein purification and enzyme kinetics. A desire to learn and apply state-of-the-art NMR methods to characterize small molecule/enzyme interactions is desirable.

This position offers an opportunity to learn molecular level details of plant biochemistry as well as growth and development through a variety of multidisciplinary interactions. We offer a highly competitive salary and benefits package. For immediate and confidential consideration, please send your resume to: Mr. Valentino Martinez, Manager, Office of Professional Staffing and University Relations, Monsanto Agricultural Company, Dept. CE112, 800 North Lindbergh Drive, Mail Zone C21NB, St. Louis, MO 63167. An equal opportunity employer, M/F/H/V.

Monsanto

IMMUNOLOGY PROJECT LEADER — R&D
Because of continued growth, Kallestad Diagnostics Inc. is seeking an individual to fill a research and development position in its Antibody Development program. The candidates we seek should hold an M.S. degree or equivalent in clinical chemistry, biochemistry or immunology with experience in the characterization of antibody products. Experience with evaluation of antibodies for application in competitive and paired sequential immunoassays is required.

We offer an excellent salary and benefits package including employer paid dependent health insurance, 401K, pension and a tremendous opportunity to grow in our team environment. For confidential consideration, send resume to: Bill Murray, KALLESTAD DIAGNOSTICS INC., 1000 Lake Hazeltine Drive, Chaska, MN 55318.

Equal Opportunity/ Affirmative Action Employer M/F

Kallestad
DIAGNOSTICS, INC.

Visiting Research Scientist
Molecular Biology/Gene Expression

A PhD level Visiting Research Scientist position is available within the Gene Expression Group of Du Pont’s Central Research and Development Department. This one- to two-year temporary position requires proficiency in recombinant DNA techniques and developmental Biology. The successful candidate will join a group interested in the mechanisms of selective gene expression with special emphasis on transcriptional control. Experience in molecular cloning, protein purification, DNA-protein interactions, transgenic mouse technology, gene transfer technology and/or the biochemistry of transcription and eukaryotic in vitro transcription systems would be desirable.

At the world-renowned Du Pont Company you’ll find a stimulating scientific environment in a modern research facility located near Wilmington, DE. Du Pont provides competitive compensation and relocation benefits. Our mid-Atlantic location offers a wide range of academic, cultural, and recreational activities. Interested candidates should send their resumes and references to Dr. Pamela Benfield, c/o Employee Relations Department, Room X-51271, Wilmington, DE 19898.

An Equal Opportunity Employer M/F/H/V U.S. Citizenship or Permanent Visa Required and meet other appropriate IRCA requirements

McDonnell-Pew Center for Cognitive Neuroscience at MIT

POSTDOCTORAL FELLOWSHIPS IN COGNITIVE NEUROSCIENCE

Fellowships are available for postdoctoral study at the newly founded Center for Cognitive Neuroscience in the Department of Brain and Cognitive Sciences at the Massachusetts Institute of Technology. This Center is composed of faculty at MIT from the disciplines of Neuroscience, Computational Neuroscience, and Cognitive Science and is dedicated to multidisciplinary approaches to the study of higher brain function with special emphasis on visual and motor systems. Interested postdoctoral candidates should identify MIT faculty members with whom they wish to work and submit a two-page project proposal, CV, and three letters of reference by March 30, 1990, to: Dr. Richard A. Anderson, Department of Brain and Cognitive Sciences, MIT, 77 Massachusetts Avenue, Cambridge, MA 02139, USA. Proposals for interdisciplinary projects are especially welcome. Awards will be announced, and fellowships can begin on April 15, 1990. Candidates may obtain further information and Department brochures by writing to the above address.

MIT is an Equal Opportunity/Affirmative Action Employer MIT is a non-smoking environment

Massachusetts Institute of Technology
Applications invited for five faculty positions:

1) Pharmacologist (Ph.D.) with expertise in GCMS, phosphoinositide metabolism, cAMP, Ca flux, protein phosphorylation and mechanisms of action of CNS drugs. Assistant/Associate Professor level.

2) Pharmacologist (Ph.D.) with expertise in proteolysis, in vivo phosphorylation of microtubule associated proteins and cAMP production in brain. Assistant Professor level.

3) Biophysicist (Ph.D.) with expertise in magnetic resonance imaging and spectroscopy (MRI/MRS) to develop CNS imaging program. Assistant/Associate Professor level.

4) Polysomnographer/Psychiatrist (M.D., A.C.P) to head expanding clinical and research program in sleep/wake disorders. Assistant/Associate/Professor level.

5) Polysomnographer/Psychiatrist (M.D., A.C.P.) or Clinical Psychologist (Ph.D., A.C.P.) to aid in development of expanding clinical and research program. Assistant Professor level.

All positions in tenure-earning track; salaries commensurate with experience and qualifications.

Letters of application/curriculum vitae to David L. Garver, M.D., Chairman, Department of Psychiatry & Behavioral Neurobiology, University of Alabama at Birmingham - UAB Station, Birmingham, AL 35294 - (205) 934-4041. AA/EO Employer.

MAMMALIAN CELL MUTAGENESIS

MICROBIOLOGICAL ASSOCIATES' genetic toxicology division is seeking a study director for in vitro mammalian cell mutagenesis assays. The study director supervises a staff consisting of two laboratory supervisors and four biologists. The ideal candidate should have an advanced degree in cell or molecular biology and “hands-on experience” with the mouse lymphoma TK+ / TK− assay and/or with the CHO HGPRT assay. Industrial experience is desirable but not essential.

Our state-of-the-art facility is located in the northern suburbs of Washington, D.C. We offer a comprehensive salary and benefits package that includes relocation. Join us as we continue to build on our 40-year commitment to high quality science.

MAMMALIAN CELL MUTAGENESIS

MICROBIOLOGICAL ASSOCIATES' genetic toxicology division is seeking a study director for in vitro mammalian cell mutagenesis assays. The study director supervises a staff consisting of two laboratory supervisors and four biologists. The ideal candidate should have an advanced degree in cell or molecular biology and “hands-on experience” with the mouse lymphoma TK+ / TK− assay and/or with the CHO HGPRT assay. Industrial experience is desirable but not essential.

Our state-of-the-art facility is located in the northern suburbs of Washington, D.C. We offer a comprehensive salary and benefits package that includes relocation. Join us as we continue to build on our 40-year commitment to high quality science.

MAMMALIAN CELL MUTAGENESIS

MICROBIOLOGICAL ASSOCIATES' genetic toxicology division is seeking a study director for in vitro mammalian cell mutagenesis assays. The study director supervises a staff consisting of two laboratory supervisors and four biologists. The ideal candidate should have an advanced degree in cell or molecular biology and “hands-on experience” with the mouse lymphoma TK+ / TK− assay and/or with the CHO HGPRT assay. Industrial experience is desirable but not essential.

Our state-of-the-art facility is located in the northern suburbs of Washington, D.C. We offer a comprehensive salary and benefits package that includes relocation. Join us as we continue to build on our 40-year commitment to high quality science.

MAMMALIAN CELL MUTAGENESIS

MICROBIOLOGICAL ASSOCIATES' genetic toxicology division is seeking a study director for in vitro mammalian cell mutagenesis assays. The study director supervises a staff consisting of two laboratory supervisors and four biologists. The ideal candidate should have an advanced degree in cell or molecular biology and “hands-on experience” with the mouse lymphoma TK+ / TK− assay and/or with the CHO HGPRT assay. Industrial experience is desirable but not essential.

Our state-of-the-art facility is located in the northern suburbs of Washington, D.C. We offer a comprehensive salary and benefits package that includes relocation. Join us as we continue to build on our 40-year commitment to high quality science.

MAMMALIAN CELL MUTAGENESIS

MICROBIOLOGICAL ASSOCIATES' genetic toxicology division is seeking a study director for in vitro mammalian cell mutagenesis assays. The study director supervises a staff consisting of two laboratory supervisors and four biologists. The ideal candidate should have an advanced degree in cell or molecular biology and “hands-on experience” with the mouse lymphoma TK+ / TK− assay and/or with the CHO HGPRT assay. Industrial experience is desirable but not essential.

Our state-of-the-art facility is located in the northern suburbs of Washington, D.C. We offer a comprehensive salary and benefits package that includes relocation. Join us as we continue to build on our 40-year commitment to high quality science.

MAMMALIAN CELL MUTAGENESIS

MICROBIOLOGICAL ASSOCIATES' genetic toxicology division is seeking a study director for in vitro mammalian cell mutagenesis assays. The study director supervises a staff consisting of two laboratory supervisors and four biologists. The ideal candidate should have an advanced degree in cell or molecular biology and “hands-on experience” with the mouse lymphoma TK+ / TK− assay and/or with the CHO HGPRT assay. Industrial experience is desirable but not essential.

Our state-of-the-art facility is located in the northern suburbs of Washington, D.C. We offer a comprehensive salary and benefits package that includes relocation. Join us as we continue to build on our 40-year commitment to high quality science.

MAMMALIAN CELL MUTAGENESIS

MICROBIOLOGICAL ASSOCIATES' genetic toxicology division is seeking a study director for in vitro mammalian cell mutagenesis assays. The study director supervises a staff consisting of two laboratory supervisors and four biologists. The ideal candidate should have an advanced degree in cell or molecular biology and “hands-on experience” with the mouse lymphoma TK+ / TK− assay and/or with the CHO HGPRT assay. Industrial experience is desirable but not essential.

Our state-of-the-art facility is located in the northern suburbs of Washington, D.C. We offer a comprehensive salary and benefits package that includes relocation. Join us as we continue to build on our 40-year commitment to high quality science.

MAMMALIAN CELL MUTAGENESIS

MICROBIOLOGICAL ASSOCIATES' genetic toxicology division is seeking a study director for in vitro mammalian cell mutagenesis assays. The study director supervises a staff consisting of two laboratory supervisors and four biologists. The ideal candidate should have an advanced degree in cell or molecular biology and “hands-on experience” with the mouse lymphoma TK+ / TK− assay and/or with the CHO HGPRT assay. Industrial experience is desirable but not essential.

Our state-of-the-art facility is located in the northern suburbs of Washington, D.C. We offer a comprehensive salary and benefits package that includes relocation. Join us as we continue to build on our 40-year commitment to high quality science.
PLANT PHYSIOLOGY

- Newly created research position to develop an understanding of the growth mechanisms of trees and other plants.
- Position is entry level, requiring a Ph.D. in Plant Physiology or another closely related discipline and 0-2 years of relevant research experience.

UNION CAMP CORPORATION is a Fortune 200 manufacturer of high quality paper and chemical products. It is noted for its financial stability in addition to its commitments to excellence and to its employees.

For consideration, please send a resume and salary history to:

Mrs. E.G. Denoex
Technical Recruiting Manager
UNION CAMP CORPORATION
P.O. Box 3301
Princeton, NJ 08543-3301
Equal Opportunity Employer

POSTDOCTORAL POSITIONS

PHYSIOLOGIST: The Program in Ecology, Evolution, and Behavior of the Biology Department at Princeton University invites applications for a postdoctoral position in animal physiology, rank open. The current faculty in the program are Andy Dobson, Jim Gould, Peter Grant, Harold Horvitz, and Alison Poulsen. Closing date for applications is 15 March 2000. Applicants should send curriculum vitae and brief statement of research interests and plans, and arrange for three letters of reference to be sent to: Dry. Henry Horn, Search Committee, Program in Ecology, Evolution, and Behavior, University of Princeton University, Princeton, NJ 08544-1003.

Princeton University is an Equal Opportunity/Affirmative Action Employer.

PLANT PHYSIOLOGIST

ASSOCIATE PROFESSOR. The Department of Biological Sciences at Butler University invites applications for a tenure-track position beginning August 1999. The successful candidate will be expected to teach courses in plant ecology, plant anatomy, general ecology, and general biology, and to develop a research program in the area of plant ecology. Individuals with a strong commitment to teaching/research preferred. Ph.D. required; salary commensurate with experience. Closing date for application is 15 February 1999. Send resume and names of three references to: Chairman, Search Committee, Department of Biological Sciences, Butler University, Indianapolis, IN 46208. Selection for interviews will begin on 9 February 1999 and will continue until a suitable candidate is found. Butler University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

MOLECULAR BIOLOGY. Available immediately to study control of eukaryotic gene expression in viral systems by identification of control elements and purification of transcription factor(s) and cloning of their genes. Competitive salary. Send curriculum vitae and three recommendation letters to: Margaret A. Seidel, Assistant Professor, Department of Molecular Biology and Genetics, School of Medicine, Wayne State University, Detroit, MI 48201. Telephone: 313-577-0019. Wayne State University is an Equal Opportunity/Affirmative Action Employer.

NEUROBIOLOGY AND MEMORY

POSTDOCTORAL POSITIONS available immediately to study neuroendocrine regulation of memory formation. Projects include: interactions of circulating epinephrine and glucose levels with brain functions, assessed with behavioral, neuroanatomical, and neurochemical measures; age-related memory deficits in rodents and humans; pharmacology of long-term potentiation. Please submit curriculum vitae and references to: Dr. Paul E. Gold, Department of Psychology, Gilmer Hall, University of Virginia (UVA), Charlottesville, VA 22903. UVA is an Equal Opportunity/Affirmative Action Employer.

A POSTDOCTORAL ASSOCIATE position is available to study the regulation of intermediate filament genes during mouse development. Opportunity of learning transgenic mouse methods in an established program. Recent PhD graduates with independent research careers are encouraged. Please submit curriculum vitae and reference information to: Robert Ohshima, L. J. Ball Cancer Research Foundation, 10901 North Torrey Pines Road, La Jolla CA 92037. FAX: 619-453-6217. Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

MOLECULAR PHYSIOLOGY


POSTDOCTORAL POSITIONS

IN FLUORESCENCE IMAGING

The Section on Neuronal Secretory Systems has postdoctoral opportunities in the areas of neuronal secretion and its regulation. The section faculty are interested in conducting studies on fluorescence microscopic imaging to measure intracellular ion transients in neuronal and glial cells, and studies on the mechanism of secretion and its modulation in isolated nerve terminals. The position is offered depending on the experience of the applicant. Candidates should have interest in either quantitative fluorescence microscopy and real-time image processing or cell biology of neuronal secretion. Send curriculum vitae and names of three references to: James T. Russell, Laboratory of Developmental Neurobiology, NICHD, NIH, Building 36, Room B-316, Rockvile Pike, Bethesda, MD 20892. U.S. citizenship is not required. NICHD is an Equal Opportunity Employer.

POSTDOCTORAL POSITION

MOLECULAR PHARMACOLOGY RESEARCH

McLean Hospital, affiliated with Harvard Medical School, has a funded postdoctoral position available immediately at its Maimon Research Center to study the effects of psychotropic drugs, including drugs of abuse, on gene expression in the brain. The applicant should have a background in neuroanatomy or molecular biology, and experience in in situ hybridization is required. Send curriculum vitae and names of three references by 1 March 1990 to: Bruce M. Cohen, M.D., Ph.D., McLean Hospital, Mailman Research Center, 115 Mill Street, Belmont, MA 02178. McLean Hospital and Harvard Medical School are Equal Opportunity Employers.

POSTDOCTORAL RESEARCH ASSOCIATE (USAID supported) position is available to study immune responses of swine to recombinant viruses as part of a collaborative program between the College of Veterinary Medicine and Medicine. Individuals with experience in cell-mediated immunity are encouraged to apply. A Ph.D., D.V.M., or equivalent degree is required; a background in molecular biology is desirable. Send curriculum vitae and names of three references to: Dr. Paul Gibbs, Department of Infectious Diseases, College of Veterinary Medicine, University of Florida, 471 Mowry Road, IFAS 633, University of Florida, Gainesville, FL 32611-0633. The University of Florida is an Equal Opportunity/Affirmative Action Employer.

CAREER CHANGE OPPORTUNITY

The School of Oceanography of the University of Washington is proud to announce, through the generosity of the Office of Naval Research's Ocean Science Educator Program, the immediate availability of a 3-year POSTDOCTORAL PROGRAM for a STATISTICAL IDENTIFICATION to apply his or her skills in statistics and computer science to problems of the ocean on a long-term basis. Specialists in other nonoceanographic disciplines (e.g., physics or applied mathematics) may also be considered. Funding includes both salary ($32,000 per year) and research support ($25,000 per year). Topics of particular interest include, but are not limited to, intelligent use of sparse and gappy data sets, objective mapping, non-Kyriy-Kriging, multivariate spatial statistics, and Lagrangian statistics. Please forward a statement of interest, curriculum vitae, selected reprints, and a list of three references to: Peter A. Jumars, School of Oceanography, W-10, University of Washington, Seattle, WA 98195. All applications will be considered, but the position may remain open longer for particularly promising candidates.

SCIENCE, VOL. 247
A POSTDOCTORAL POSITION is available April 1990 to study autoimmune responses of Type I diabetes in man. The position focuses on the role of T cells in the etiology of the disease and integrates cellular immunology and molecular biology. A background in immunology is desired. Training in molecular biology will be provided if necessary. Send curriculum vitae, a brief statement of research interests, and the names of three references to: Dr. Shivenendra D. Shukla, Department of Pharmacology, University of Missouri-Columbia (UMC), School of Medicine, Columbia, MO 65212. Telephone: 314-882-2740. Equal Employment Opportunity Employer.

PAF SIGNAL TRANSDUCTION

POSTDOCTORAL POSITION to investigate transmembrane signaling mechanisms for platelet activating factor (PAF) turnover utilizing molecular biological approaches. Ph.D., experience in receptors and molecular biology preferred. Send curriculum vitae and names of three references to: Dr. David A. Gall, Ph.D., Department of Pharmacology, College of Medicine, University of Kentucky, Room 8055, The Mount Sinai Medical Center, One Gustave L. Levy Place, New York, NY 10029-6574. An Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE: MOLECULAR GENETICS OF AThEROSCLEROSIS AND RNA EDITING. Position open to study the mRNA editing enzymes, adenosine deaminase, and eukaryotic ribonuclease involved in RNA editing in mammalian cells. Ph.D. degree in biology or medicine required. Send curriculum vitae and names of three references to: Dr. William C. Scharff, Department of Cell Biology, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030. Telephone: 713-798-4478. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL AND RESEARCH ASSOCIATE POSITIONS IN INSECT BIOTECHNOLOGY

The newly formed Canadian network of centers of excellence entitled Biotechnology for Insect Pest Management invites applications for positions as postdoctoral fellow or research associate. The network includes participants in ten Canadian universities and three government laboratories. There are strong linkages with industry. The objective is to foster and provide education and training in pest control research. Areas include: molecular engineering of baculoviruses, insect neurotoxins, molecular genetics of pesticide resistance, insect cell and molecular biology, insect pathogens, and the interaction of juvenile hormone, metamorphosis, and analogs. The program has major funding from the Canadian government for 4 years. Positions may be available in participating centers. Applicants should have background in molecular biology and genetics and preferably some background in insect control, or toxicology. The salary scale for postdoctoral fellows will be guided by the Natural Sciences and Engineering Research Council of Canada. In accordance with Canadian immigration requirements, priority for research associate positions will be given to Canadian citizens or permanent residents. Applicants should submit curriculum vitae, names of three referees, and a brief statement of research interests to: Dr. G. R. Wyatt, Department of Biology, Queen's University, Kingston, Ontario, Canada, K7L 3N6.

RESEARCH ASSOCIATE. Conduct research in the genetics of electron transfer reactions of transition metal complexes in photosynthetic solutions and at the electrode interfaces; review and analyze laboratory data; prepare manuscripts for publication; present research findings at scientific meetings in chemistry, biology, or biochemistry, and to biology, and chemistry, and molecular biology. Experience must include knowledge of spectroscopy and molecular biology, microbiology, computer science, biochemistry, and molecular biology. Experience in the field of photosynthesis is desirable. Send curriculum vitae and names of three references to: Mr. Robert J. Long, Science, 401 South Wacker Drive, Chicago, IL 60606. Attention: Connie N. Evans, Reference #7V-IL-9802-E. An employer-paid ad.

RESEARCH ASSOCIATE. Position available immediately to study molecular mechanisms of axonal degeneration in toxic states. Ph.D. in biochemistry, pharmacology, enzymology in situ hybridization, axonal transport polyacrylamide gel electrophoresis desirable. Salary negotiable. Apply with two or three references by 10 February 1990 to: Dr. E. S. Spencer, Center for Research on Occupational and Environmental Health, Oregon Health Sciences University (OHSU), 3181 SW Sam Houston Park Road (L474), Portland, OR 97201-3098. OHSU is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE. Position available immediately to study molecular mechanisms of axonal degeneration in toxic states. Ph.D. in biochemistry, pharmacology, enzymology in situ hybridization, axonal transport polyacrylamide gel electrophoresis desirable. Salary negotiable. Apply with two or three references by 10 February 1990 to: Dr. E. S. Spencer, Center for Research on Occupational and Environmental Health, Oregon Health Sciences University (OHSU), 3181 SW Sam Houston Park Road (L474), Portland, OR 97201-3098. OHSU is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL & SENIOR STAFF FELLOW POSITIONS

Positions are available for doctoral-level individuals to participate in a research program on nutrition and cancer prevention. Positions are available in the recently established Laboratory of Nutritional and Molecular Regulation at the Frederick Cancer Research Facility. This laboratory conducts research on cellular and molecular regulation as they pertain to nutrition and cancer prevention; emphasizes basic mechanisms by which nutrients directly or indirectly augment or inhibit tumorgenesis; uses a multidisciplinary approach (biochemistry, cell biology, and molecular biology).

Staff Fellow, Senior Staff Fellow and Intramural Research Training Award (IRTA) positions are available for U.S. Citizens, Fogarty Visiting Fellow & Associate positions are available for foreign nationals. Salary ranges from $20,000 - $50,000 depending on training and experience.

M.D., D.V.M. or Ph.D. applicants with training and/or experience in endocrinology and metabolism, nutritional science, biochemistry, cell biology, and molecular biology will be considered.

Qualified and interested candidates should send curriculum vitae and names and addresses of three (3) references to: James M. Phang, M.D., Chief, Laboratory of Nutritional and Molecular Regulation, NCI Executive Plaza North, Room 202 Bethesda, Maryland 20894

NIH IS AN EQUAL OPPORTUNITY EMPLOYER
POSITIONS OPEN

POSTDOCTORAL POSITION
DEPARTMENT OF BIOCHEMISTRY
AND MOLECULAR BIOPHYSICS

A position is available to study the kinetic mechanism of N-myristoyltransferase, an enzyme which mediates the covalent attachment of myristic acid to a number of viral and cellular proteins. Selective transfer of analogs of myristic acid by this enzyme in vivo is being used as an artificial strategy. Biochemical and molecular biological techniques will be used to examine the enzyme's structure/activity relationship.

Applicants should send curriculum vitae, statement of research interests, and names of three references to: Dr. Carl Freiden, Department of Biochemistry and Molecular Biophysics, Washington University School of Medicine, 660 South Euclid Avenue, Box 8321, St. Louis, MO 63110.

An Equal Opportunity/Affirmative Action Employer.

VISION SCIENTIST: Tenured or tenure-track position available to join strong research-oriented group of vision scientists. Research specialization in the area of experimental optics, or human psychophysics, or human corneal physiology is desirable. Applicants must have an O.D. or a Ph.D. in physiological optics. Rank and salary depend on qualifications. Send letter of application, curriculum vitae, copies of selected publications, and three letters of reference to: Dr. Jerry L. Christiansen, University of Missouri–St. Louis, 8001 Natural Bridge Road, St. Louis, MO 63121. Women and minorities are encouraged to apply. Deadline: 28 February 1990.

WILDLIFE TOXICOLOGIST
Exxon Biomedical Sciences, Inc., has an immediate opening for a qualified individual specializing in wildlife toxicology. The successful candidate will have an M.S. or Ph.D. and 3 to 5 years of experience in wildlife/toxicology or ecology or wildlife management, with a focus on effects of environmental pollutants on wild birds and mammalian populations. Applicant should have a thorough knowledge/familiarity of analytical chemistry techniques and toxicity of industrial chemicals. Please forward resume to: Christine Ramos, Human Resources, Exxon Biomedical Sciences, Inc., Mettler Road, CN 2250, Exton, PA 19341-2250. Equal Opportunity Employer, M/F/H/V.

FELLOWSHIPS

RESEARCH FELLOW for spectroscopic studies on protein folding conformations, protein structure, and protein-membrane complex. Ph.D. in biophysics or equivalent degree required, including research experience in Raman spectroscopy. Preparation and properties of liposomes, and protein isolation and purification. Salary: $20,600 per year; 40 hours per week. Contact: Job Service, 110 West Main Street, Canton, NC 27518 or the Job Service Office nearest you. Refer to: Job Order Number NC 3190685.

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE POSITION. Available from the summer or fall of 1990 for a recent graduate with a Ph.D. in molecular biology, biochemistry, or molecular biology interest in malignant transformation and cellular differentiation. Expertise in one or more of the following areas is desirable: molecular genetics, virology, or protein chemistry. Send curriculum vitae and names of three references to: Mark A. Israel, M.D., University of California, Department of Neurosurgery, Brain Tumor Research Center, HSW 223, San Francisco, CA 94143. Equal Opportunity/Affirmative Action Employer.

SITUATIONS WANTED

RISK ANALYST, Ph.D; 18 years of government, national laboratory, consulting experience. Good communicator. Creative, innovative, skilled marketeer. Environmental assessment, managerial background. Box 1, SCIENCE.

COURSES AND TRAINING

ANALYTICAL AND QUANTITATIVE LIGHT MICROSCOPY IN EXPERIMENTAL MEDICINE, AND MATERIALS SCIENCE—10–18 May 1990. This course, which is designed for professional researchers, advanced graduate students, and industrial scientists and engineers, provides an overview of the theory of the microscope and application of video for exploring subtle interactions between light waves and the observed object. Emphasis is directed to: D. Salmon, University of North Carolina, Chapel Hill, and Greenfield Shinder and David E. Wolf, Worcester University of London. Registration deadline: 10 March 1990. For further information and application form contact: Admissions Coordinator, Marine Biological Laboratory, Woods Hole, MA 02543. Telephone: 508-548-7205, ext. 216.

HOW TO MAKE MICROCAPSULES: A HANDS-ON COURSE

A laboratory course designed to teach the art and science of microcapsule making. Suitable for biologists, pharmacists, chemists, life scientists, and engineers. Enrollment limited to 12. Lectures and laboratory sessions to be held at The Curt Thies, Professor of Chemical Engineering at Washington University in St. Louis. Spring sessions: 18 to 21 March and 1 to 4 April 1990. Call for information. Telephone: 314-899-6066.

GRADUATE TRAINING PROGRAM IN MOLECULAR BIOPHYSICS. The Roswell Park Graduate School offers training in molecular biophysics leading to the Ph.D. degree in biophysics. Opportunities for graduate research are available in areas related to the cancer problem with emphasis on biomolecular structure/ function studies. Assistantships and fellowships provide tuition waivers and $10,000 per year. Participating faculty are affiliated with Roswell Park Cancer Institute, the nation's oldest cancer research institute, and the State University of New York at Buffalo. Address inquiries to: Dr. Harold C. Box, Chairman, Biophysics Department, Roswell Park Cancer Institute, Buffalo, NY 14263. An Equal Opportunity/Affirmative Action Employer.

TRAINEEHIPS: TOXIC SUBSTANCES. Graduate traineeships are available from the environmental and ecological institute and training program at the University of California, Davis. Trainees will receive an appointment with faculty conducting research on transport, fate, exposure, and effects of toxic substances in ecosystems. Applicants must be admitted into one of several graduate groups for study toward the M.S. or Ph.D. degree. Inquiries should be directed to: Dr. Dennis E. Robinson, Graduate Council, University of California, Davis, CA 95616. Telephone: 916-752-2113.

POSTDOCTORAL TRAINSHIP. Applications are invited for a recent Ph.D. to participate in a newly established molecular biology program in the Fels Institute for Cancer Research and Molecular Biology, Temple University School of Medicine, Philadelphia, Pennsylvania. The trainee will have an opportunity to learn chromosomal in situ hybridization and other specialized techniques in an ongoing effort to map genes associated with several solid tumor malignancies as well as related genetic disorders. Participation in related research projects in other laboratories will be encouraged. Some previous experience in human cytogenetics will be helpful. Send CV and letters of interest to: Dr. Linda A. Cannizzaro, Medical Research Building, Fels Institute for Cancer Research and Molecular Biology, Temple University School of Medicine, 3420 North Broad Street, Philadelphia, PA 19140. Temple University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

RESEARCH PROGRAMS FOR POSTGRADUATES, FACULTY, AND STUDENTS AT DEPARTMENT OF HEALTH AND HUMAN SERVICES - ICES laboratories including the Agency for Toxic Substances and Disease Registry (Atlanta), Center for Devices and Radiological Health (Rockville, Maryland), and National Center for Toxicological Research (near Little Rock). U.S. citizenship or P.R. status required. For more information write; NICHD, Intramural Research Programs, Washington, DC 20250. Telephone: 202-266-5300.

COURSES AND TRAINING

COMPACT FREEZE-DRYING COURSE: Fundamental Aspects of the Preservation of Sensitive Biologicals. A 3-day international course covering the principal issues involving the freezing and freeze-drying of pharmacuticals, biological cultures (viruses, bacteria, cells, etc.) and derivative biological materials (vitamins, antibodies, enzymes, etc.). Presented by the American Type Culture Collection and the Merieux Foundation, 2 to 4 April 1990; Mayflower Hotel, Washington, D.C. Contact: ATCC, 12300 Parklawn Drive, Rockville, MD 20852, Telephone: 301-231-5566. FAX: 301-770-2587.

MEETINGS

FIRST INTERNATIONAL CONFERENCE ON HUMAN ANTIBODIES AND HYBRIDOMAS, 18 to 20 April 1990

Orlando (Lake Buena Vista), Florida
Program Chairmen: Mark G. Glassy, Ph.D., and Donald G. FXXON. This scientific program will consist of keynote lectures by invited speakers, contributed papers, and poster presentations emphasizing all aspects of human hybridoma and antibody technology, including immunological research, applied science, and clinical applications.

Contact: S. L. Patterson, Butterworths, 80 Montvale Avenue, Stoneham, MA 02180. Telephone: 617-438-2804, Ext. 254.

ANNOUNCEMENTS

The McDonnell-Pew Program in Cognitive Neuroscience is now accepting APPLICATIONS FOR INDIVIDUAL GRANTS-IN-AID to support research and training in cognitive neuroscience.

Applications are sought for research projects and training projects of exceptional merit that are not currently funded through other channels, and from investigators who are not already supported by institutional grants under this program. Preference will be given to projects that require collaboration or interaction between at least two subfields of cognitive neuroscience. The goal is to encourage broad participation in the development of the field and to facilitate participation by investigators outside the major centers of cognitive neuroscience. Submissions will be reviewed by a program advisory board, chaired by Professor George A. Miller of Princeton University. Support for research grants under this program is limited to $50,000 per year for 2 years, with indirect costs limited to 10% of direct costs. These grants are not renewable. Support for training grants will be funded at prevailing rates at the host institution, and will be renewable annually for periods up to 3 years.

For further information, contact: The McDonnell-Pew Program in Cognitive Neuroscience, Box 1-1-10, Princeton University, Princeton, NJ 08544-1010. Telephone: 609-258-5014.

MARKETPLACE

Custom DNA
Purified and Delivered in 48 hours.
$15.00 a base for the first 15 bases. $7.50 for each additional base. No additional charges.
Research Genetics
1-800-533-4363

Circle No. 67 on Readers' Service Card

$9.99 a base
Rapid turn around

Circle No. 89 on Readers' Service Card
The new age of SDS-PAGE

ExcelGel™ SDS, gradient 8–18 precast gels and ExcelGel SDS buffer strips now herald the new age of SDS-PAGE. Giving you fast, convenient and totally reliable, horizontal SDS electrophoresis. On your Multiphor® or other comparable flat-bed system. With the kind of consistent performance that’s only possible by using precast products of predetermined quality. Guaranteed by the world’s leading manufacturer of gel media. To let you separate SDS-denatured proteins in the MW range 6,500–300,000 in as little as 75 minutes.

High resolution

Because you’re running a thin gel with high voltage and efficient cooling, you’ll get sharp bands and high resolution. In minimum time. And loading up to 52 samples on each gel saves you even more time. With the same high resolution.

Runs within minutes

SDS-PAGE has never been easier. Your new gels are simply stacked where you need them. On the shelf. And from shelf to cooling plate, it’s only a matter of seconds. Position the buffer strips, apply your sample and start the run. All it takes is a few minutes.

ExcelGel SDS precast products pay you big dividends. Boosting productivity. Improving efficiency. Keeping ahead. Large returns for a small investment. Order a pack from your nearest Pharmacia LKB office. You’ll be moving into the new age of SDS-PAGE. With results you can be proud of.
Inject new life into your old LC.

Introducing the HP 1050 Series of HPLC modules

The next time you add LC capabilities or replace an aging HPLC component, consider Hewlett-Packard. Our new HP 1050 Series of HPLC modules lets you upgrade to the HP quality you always wanted but thought was out of reach.

Grown out of the same innovative technology that produced the renowned, top-of-the-line HP 1090 family of HPLC systems, the HP 1050 Series brings you all the performance and reliability you've been missing — at a pace you can afford.

Add capabilities a piece at a time

Select from a range of compact, stackable, easy-to-use modules for solvent delivery, autosampling and UV-Visible detection. Available now are both isocratic and quaternary pump modules, variable and multiple wavelength detectors, and 21+ and 121-vial autosampler modules. And more are on the way.

The advanced HP 1050 Series gives you the sensitivity, accuracy and precision you need. What's more, it gives you superb results without the usual hassles. That's because it eliminates most set-up, running and maintenance problems. And self diagnostics prevent wasted or lost samples.

Troubleshooting, repair and parts exchange are extremely easy, too. Add to that HP quality, reliability and support, and downtime becomes almost nonexistent. In fact, reliability is so high, we offer a 99% uptime guarantee.

Learn more about the HP 1050 Series

Just call 1-800-556-1234, Ext. 1026. Inside California call 1-800-441-2345, Ext. 1026. Or call the HP sales office listed in the telephone directory white pages.