BAYLOR UNIVERSITY—EXPERIMENTAL PHYSICAL BIOCHEMIST. The Department of Chemistry invites applications for a tenure-track position at the ASSISTANT PROFESSOR level for fall 1994. The Department offers doctorate position. Specialty in endocrinology, immunology, environmental toxicology or cell biology preferred. Responsibilities include teaching courses in general biology, in the specialty and conducting research involving undergraduates. Ph.D. required; postdoctoral experience preferred. Lecturer's M.S. required; Ph.D. preferred. Responsibilities include teaching general biology to majors and non-majors. Send letter of application, curriculum vitae and statement of research interests by January 15, 1994, to: Chairman, Recruitment Committee, Department of Biology, Spelman College, Atlanta, GA 30314.

Spelman College is an Equal Opportunity/Affirmative Action Employer.

NEUROBIOLOGIST. The Department of Biology, University of North Carolina at Chapel Hill, invites applications for a tenure-track faculty position. We seek candidates to develop and apply modern approaches to studies behavior and sensory systems. This appointment at the level of ASSISTANT PROFESSOR will be available July 1, 1994. Applications should be submitted to: Howard Salmon, Chairman, Neurobiology Search Committee, Department of Biology, CB#83280, University of North Carolina, Chapel Hill, NC 27599-3280. Priority will be given to applications received by January 15, 1994.

The University of North Carolina is an Equal Opportunity/Affirmative Action Employer and strongly encourages applications from women and minorities.

Cornell University

Applications are invited for a tenure-track ASSISTANT PROFESSORSHIP in the area of Physical Biochemistry from individuals employing multidimensional NMR to contemporary problems in biochemistry. Candidates will be selected based on accomplishments, strong motivation, research potential, and commitment to teaching. Applicants should send curriculum vitae, a concise description of research accomplishments and future research plans, and four letters of recommendation to: Prof. D. J. Shalloway, Search Committee, Biochemistry, Molecular and Cell Biology, Biotechnology Building, Cornell University, Ithaca, NY 14853.

Applications from women and minority group members are encouraged. Cornell University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

Department of Biological Sciences

The University of Texas at El Paso (UTEP)

UTEP invites applications for two tenure-track positions at the Assistant or Associate Professor rank to begin September 1994.

1. INVERTEBRATE ZOOLOGIST, specializing in the ecology, physiology, or systematic of invertebrates. Approaches that complement the University's focus on molecular mechanisms or environmental adaptations are sought in particular. Candidates should have a strong commitment to research and teaching at the undergraduate and graduate level.

2. LIFE SCIENCES EDUCATOR, specializing in science education. Responsibilities will include teaching the general and laboratory courses in the biological sciences, and scholarly activity involving traditional research, science pedagogy, or the development of effective methods and materials for teaching in the life sciences. The successful candidate will be expected to play a leadership role in the University's commitment to enhancing teacher preparation and improving the teaching of biology at all levels.

Both positions require a doctoral degree. Send curriculum vitae, statement of teaching philosophy, and a list of three references (names, address, telephone) to: Louis Irwin, Chairman of Biological Sciences, The University of Texas at El Paso, El Paso, TX 79968. Review of applications will begin July 1, 1994. UTEP does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services.
ASSISTANT PROFESSOR (PLANT ECOLOGY)

The Department of Botany, Louisiana State University (LSU), is seeking a tenure-track Assistant Professor position anticipated for August 1994, in the area of plant population or community ecology. Preference will be given to candidates with an experimental emphasis in systematics or ecological biogeography. Ph.D. in botany/plant biology, or other appropriate biological science areas and evidence of research and teaching excellence are required. Responsibilities include developing an active research program and directing Ph.D. students. In addition to teaching introductory and specialty courses, the successful candidate will become involved in the Department of Plant Sciences. Review of applications will begin on January 1, 1994, and will continue until the position is filled. Send curriculum vitae and a brief statement of research goals and interests to: Professor Dooling, Department of Botany, LSU, Baton Rouge, LA 70803-1705; Telephone: (504) 288-2116. LSU is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN FOOD SAFETY

The UC Davis School of Veterinary Medicine invites applications from qualified individuals with a D.V.M. and/or M.D. degree in an area relevant to food safety of animals for a tenure-track position as an ASSOCIATE or FULL PROFESSOR level. Salary commensurate with training and experience. An independent research program in food safety is required. The successful candidate is expected to have an established track record as either an ASSOCIATE or FULL PROFESSOR level. Salary commensurate with training and experience. An independent research program in food safety is required. The successful candidate is expected to have an established track record as either an ASSOCIATE or FULL PROFESSOR position. These full-time positions will report to the Dean of the College of Agricultural and Life Sciences. The successful candidate will be expected to play a leadership role in the development of the School's food safety and participation in campus food safety programs. The successful candidate will be expected to play a leadership role in the development of the School's food safety and participation in campus food safety programs. Qualified applicants should submit a letter of interest, curriculum vitae, and names of three references to: Dr. Robert Dooling, Department of Veterinary Medicine, University of California, Davis, CA 95616-8735. Applications will be accepted through December 31, 1993. Initial screening of candidates is anticipated to begin in January 1994. The University of California is an Equal Opportunity/Affirmative Action Employer.

University of California, Santa Barbara (UCSB)

FACULTY POSITION IN PROTEIN RECEPTOR STRUCTURE/FUNCTION

The Interdepartmental Biochemistry and Molecular Biology Program and the Department of Biological Sciences invite applications for an ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR position in our expanding program in structural biochemistry, cell and molecular biology. Research expertise and interest is sought in studies of functional receptors at the molecular level. The particular receptor system may represent any contemporary field of biology, but highest consideration will be given to individuals pursuing studies that are likely to elucidate fundamental biological principles in receptor-mediated processes, including but not limited to: (1) signal transduction regulation and signal transduction. The rank of the appointment is dependent upon qualifications. Applicants must have the Ph.D. degree and relevant postdoctoral experience. The successful applicant will be expected to lead a vigorous independent research program and to participate effectively in the teaching programs of the Interdepartmental Biochemistry and Molecular Biology Program and the Department of Biological Sciences. Submit curriculum vitae, selected reprints, and a brief description of previous and anticipated research. Also, arrange to have at least three letters of reference sent to: Director, c/o Frances McGutchon, Interdepartmental Biochemistry and Molecular Biology Program, Department of Biological Sciences, University of California, Santa Barbara, CA 93106. Application deadline is January 15, 1994, or until position is filled. UCSB is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF WISCONSIN—STEVENS POINT (UWSP)

Tenure-track ASSISTANT PROFESSOR position in Plant Biology to begin August 1994 in the area of plant molecular genetics. This is a 14-month, 9-month/year appointment with the option of a 1-month sabbatical leave and a 5-month research appointment. The position requires an individual with a Ph.D. in plant biology or closely related field who can teach classes in plant genetics, reproductive biology, and plant physiology and have experience in research on the molecular basis of plant development and/or plant differentiation. The successful candidate will be expected to direct an active research program. Applicants should send a curriculum vitae, three letters of recommendation, and a brief statement of research interests and teaching goals to: Professor Robert J. Dooling, Department of Plant Biology, University of Wisconsin, Madison, WI 53706. Applications and/or requests for information should be received by December 15, 1993. UWSP is an Equal Employment Opportunity/Affirmative Action Employer.

MINNEAPOLIS—UNIVERSITY OF MINNEAPOLIS (U of M)

DEPARTMENT OF PSYCHIATRY seeks Psychiatrists to fill two academic faculty positions. These full-time positions will confer the rank of ASSOCIATE PROFESSOR with tenure, or probationary (tenure-track) ASSISTANT PROFESSOR, dependent on qualifications. The positions entail commitment to research and teaching. The successful applicants will share the responsibility for faculty availability for one of several tracks that treat hospitalized and non-hospitalized psychiatric patients. Each track, in addition to treating patients, has the responsibility of teaching residents, medical students, and others. Although commitments to specific areas of interest is not a prerequisite, one of the positions available involves a well-established program in child, adolescent, and family psychiatry. Candidates must be M.D. board certified or board eligible psychiatrists. Qualifications for Associate Professor: professional distinction in research or education, and teaching and advising; Qualifications for Assistant Professor: demonstrated involvement in quality research accepted or published in peer-reviewed journals. Send curriculum vita and names of three references to: Elke Eckert, M.D., Box 393 UMHCC, Minneapolis, MN 55455. Last day for receipt of application is January 31, 1994. Start date is July 1, 1994.

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

Mount Holyoke College seeks to fill three separate one-semester VISITING PROFESSOR positions in the area of plant biology. Applications will be considered from the fall of 1994, the fall of 1995, and the fall of 1996. Male and female candidates are encouraged to apply. The evaluation of applications will begin on February 1, 1994.

Send a letter of application, curriculum vitae, and a brief description of research interests and teaching goals to: Professor Doolittle, Chair, Environmental Studies Program, Mount Holyoke College, South Hadley, MA 01075.

MOLECULAR/CELLULAR BIOLOGIST (Ph.D.)

The University of Tennessee, Memphis, has an opening for a molecular/cellular biologist at the rank of ASSISTANT PROFESSOR. Successful candidates will have a Ph.D. and a postdoctoral appointment in a basic science department. This position requires an individual with relevant experience and interest in studies relating insulin and growth factors to cellular responses and growth. Requirements include at least two years of postdoctoral training in related molecular biology laboratory and teaching experience. Candidates should have strong publications in cellular biology, and experience in molecular biology techniques. Applications should include a curriculum vitae, statement of career plans, teaching and research interests, and three letters of reference to: Professor Kitabchi, Department of Medicine, University of Tennessee, Memphis, 951 Court Avenue, Room 335M, Memphis, TN 38163. The University of Tennessee is an Equal Employment Opportunity/Tide IX/Section 504/Affirmative Action Employer.

UNIVERSITY OF MARYLAND

DEPARTMENT OF ANIMAL ECOLOGY

Applicants sought for three assistant/associate professor positions are encouraged to apply. Women and minorities are especially encouraged to apply. The evaluation of applications will begin on February 1, 1994, or until position is filled. Affirmative Action/Equal Employment Opportunity Employer. Women and minorities are encouraged to apply.

The Department of Psychology, University of Maryland, College Park: Seeks an ASSISTANT PROFESSOR in Biological Psychology. Persons applying preferably should have completed a Postdoctoral Fellowship. We seek a scientist who has the potential to make major contributions to knowledge in Biological Psychology and, particularly need someone with primary interests in modern methods of neuroscience (for example, neurophysiological, neurochemical or neuropharmacological approaches) applied to the study of behavior and/or neural plasticity. Applicants should have a record of active and potential for continued research activity. Send curriculum vitae, research interests, and three letters of reference to: Professor Robert J. Dooling, Department of Psychology, University of Maryland, College Park, MD 20742. Applications should be received by March 1, 1994. The University of Maryland actively subscribes to a policy of Equal Educational and Employment Opportunities. For best consideration, materials should be received by February 15, 1994.

EUKARYOTIC GENETICIST. The Program in Medical Sciences and the Department of Biological Sciences, the Florida State University, seeks applications for a tenure-track faculty position at the level of ASSISTANT PROFESSOR. The selected candidate will have a Ph.D. in eukaryotic genetics and will be expected to develop a competitive research program that utilizes a mainstream eukaryotic model to study important molecular, cellular, developmental or physiological processes. Excellent departmental support facilities are available, and numerous opportunities exist for interactions with other laboratories active in molecular biology, cell biology, structural biology, and neuroscience. Teaching responsibilities will include a cell and molecular biology course for first-year students that emphasizes the molecular basis of human genetic diseases. Send curriculum vitae, a concise description of research interests, and the names, addresses, and telephone numbers of three references to: Bonnie Wright, Genetics Search Coordinator, Program in Medical Sciences, 104 SCN, The Florida State University, Tallahassee, FL 32310. Review of applications will begin January 15, 1994. The Florida State University is an Equal Opportunity/Affirmative Action Employer.

PLANT ECOPHYSIOLOGIST

Tenure-track ASSISTANT PROFESSOR position to be filled August 1994. Ph.D. required. Field-based program. Research area to be determined. Position requires: (1) a background in plant physiology and plant ecology, (2) knowledge of greenhouse and field research, and (3) experience with data management and analysis. Responsibilities include teaching beginning courses in plant physiology and introductory plant science, and graduate courses in area of specialty. Research efforts may include growth and development of selected crops. Experience with extramural and/or state funding is preferred. Women and members of minority groups are encouraged to apply. Women and minority groups are especially encouraged to apply. Send curriculum vitae, research interests, and three letters of reference to: Plant Ecolphysiology Search Committee, Division of Biological Sciences, University of Montana, Missoula, MT 59812 by January 1994. Women and/or minority candidates are encouraged to apply. The University of Montana is an Equal Opportunity/Affirmative Action Employer.

EQUIVALANCE

The University of Minnesota is an Equal Opportunity/Educator and Employer.
Mitotix, Inc., is a biopharmaceutical company, developing cell-cycle-based therapeutic products for cancer and infectious diseases. We are looking for creative, highly motivated and enthusiastic Scientists with a strong record of achievement in either the academic or industrial environment. We offer competitive salaries and benefits, a wonderful location in the heart of Cambridge's scientific community, and the chance to work with leading science and business professionals. We are strongly committed to research and encourage participation in scientific meetings and publication of scientific results.

Structural Chemists/Biologists
Ph.D. level with experience in macromolecular computer modeling and/or protein structure determination by physico-chemical methods.

Medicinal/Organic Chemists
Ph.D. and BS/MS level with research experience in the design, synthesis, purification and physicochemical characterization of pharmaceutically potent structures. Candidates will be dedicated to actively interact with the Protein Biochemistry and Structural Biology groups. Skills in computer-aided design and SAR are pluses.

Send a curriculum vitae to: Human Resources, Mitotix, Inc., One Kendall Square, Building 600, Cambridge, MA 02139, USA.

BIOPHARMACEUTICALS

PROGRAM DIRECTORS & SCIENTISTS
DRUG DELIVERY & GENE THERAPY

INEX Pharmaceuticals Corporation is an innovative and creative leader in the development of systems for the targeted delivery of biologically active agents in vivo. This includes the intracellular delivery of antisense oligonucleotides and DNA vectors. Gene therapy is a key focus of the Company. Applications are invited for the following positions.

MOLECULAR BIOLOGY

These positions will focus on the development of DNA vectors for the tissue specific expression of genes. Scientists with experience in vector construction, gene transfer and tissue specific regulation of gene expression are particularly encouraged to apply.

Director, Molecular Biology: A senior position requiring a Ph.D. in molecular biology and at least 5 years of research/industrial experience. A strong publication record, excellent communication skills and proven project management abilities are essential. Experience in clinical aspects of gene therapy would be an asset.

Scientists, Molecular Biology: Positions are available for recent Ph.D. graduates in molecular biology. Experience with gene cloning, expression techniques and transcription factors in mammalian systems is advantageous.

IMMUNOLOGY

These positions will focus on the design of transmembrane carrier systems which are physically targeted to disease sites, as well as delivery systems designed to regulate the immune response. Scientists with experience in antibody based delivery systems and receptor mediated targeting protocols are particularly encouraged to apply.

Director, Immunology: A senior position requiring a Ph.D. in Immunology or related discipline and at least 5 years of research/industrial experience. A strong publication record, excellent communication skills and proven project management abilities are essential.

Scientists, Immunology, Biochemistry, Virology. Positions are available for recent Ph.D., graduates with backgrounds in these fields. Experience in protein biochemistry, animal model systems and viral immunology would be an asset.

INEX Pharmaceuticals is committed to attracting top candidates for the positions. Salary and benefits packages, commensurate with experience, are most competitive. The opportunity exists for rapid career development associated with an expanding company. In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. For consideration please forward your resume to Manager, Human Resources, INEX Pharmaceuticals Corporation, #305 - 1700 West 75th Avenue, Vancouver, British Columbia, Canada V6P 6G2.

FACULTY POSITIONS IN BIOCHEMISTRY

St. Jude Children's Research Hospital

St. Jude Children's Research Hospital, Danny Thomas, Founder, a private research institute, is engaged in a major expansion of its facilities and scientific activities. A new research building which opened in August, 1991, provides 240,000 square feet of new laboratory space to house the institute's basic science programs. As part of the expansion, new faculty positions are now available in the Department of Biochemistry. Although preference will be given to applicants who have recently completed postdoctoral training and are seeking positions at the level of Assistant Member, investigators with appropriate research interests and qualifications will be considered for positions of higher faculty rank. Candidates with programs focusing on the regulation of cell growth, differentiation and transformation, the biochemistry and molecular biology of signal transduction, and mechanisms of gene regulation are particularly encouraged to apply. Opportunities exist for collaborative interactions with basic research programs in Virology and Molecular Biology, Immunology, Tumor Cell Biology and Pharmacology, as well as with clinical investigators in Hematology/Oncology and Infectious Diseases. In addition to new facilities and excellent start-up funds, salaries are nationally competitive and include a generous benefits package. A strong institutional commitment to its faculty ensures stability in program development and continuity of research activities.

Applicants should submit a curriculum vitae, a letter summarizing their research accomplishments and goals, and the names of three references to:

Dr. James N. Ihle, Chairman
Department of Biochemistry
St. Jude Children's Research Hospital
332 North Lauderdale
Memphis, TN 38105 USA

INEX INCORPORATED
**Imagenetics, Inc.** is a growing subsidiary of Amoco Technology Company focusing on "in vitro" medical diagnostics, specifically in the areas of genetic and cancer diagnostics. Imagenetics is located in the western Chicago suburbs in the Technology Corridor. We have immediate openings for two PhD Scientists and one BS/MS Scientist to join our team developing DNA probe diagnostics.

**PROBE DEVELOPMENT SCIENTISTS**

One candidate must have a PhD and/or MD with 3-5 years post-doctoral experience (industrial preferred) with extensive background in human molecular genetics/oncology and a mastery of current recombinant DNA techniques. Position involves bench work directed toward acquiring human clones, converting these clones into prototype DNA fluorescence in situ hybridization probes, supervision of technical staff, and evaluation of new technologies and genes in the field of molecular diagnostics (Position SS-716).

The other candidate must have a BS/MS in Biology or Molecular Biology with 2-4 years of experience (industrial preferred) with a background in molecular genetics and a mastery of recombinant DNA techniques (Position-SS1120).

**ASSAY DEVELOPMENT SCIENTIST**

The candidate must have a PhD and/or MD with 3-5 years post-doctoral experience, preferably in the area of biomedical assay development (industrial preferred) with extensive background in immunodiagnostics and/or DNA hybridization. The individual will provide specialized expertise in molecular diagnostic methods (Position SS-1121).

Knowledge of flow cytometry, immuno-histochemistry, in situ hybridization and other cell analysis tests is desirable for all positions. The successful candidates must be able to work effectively within a team environment.

For immediate and confidential consideration, please state the position for which you are applying and mail your resume by December 17th to:

**AMOCO RESEARCH CENTER**

Recruiting Coordinator
P.O. Box 3011 - F-3/HR (Position Code)
Naperville, IL 60568

Equal Opportunity Employer M/F/H/V

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**FACULTY POSITIONS**

**MICROBIOLOGY, PHARMACOLOGY AND THE CANCER CENTER**

**MEDICAL COLLEGE OF WISCONSIN**

The Departments of Microbiology and of Pharmacology and Toxicology in conjunction with the Cancer Center are seeking highly qualified applicants for Assistant or Associate Professorships in the tenure-track. Preference will be given to investigators employing molecular and biochemical approaches to the study of oncogenes, receptors and signaling in malignant and transformed cells, the role of growth factors and cytokines, pathogenesis of angiogenesis, or mechanisms of action of or resistance to chemotherapeutic agents. Applicants must have a doctoral degree in a relevant field, a minimum of two years of post-doctoral experience, a strong record of research accomplishments, a commitment to developing an independent, extramurally funded research program and a willingness to participate in graduate and medical school teaching. Modern facilities include core laboratories for peptide/DNA synthesis and analysis, flow cytometry, LC/GC/MS, NMR, and ESR. Competitive salaries, space and start-up funds are available. Applicants should send a curriculum vitae, statement of research interest and plans, three relevant reprints, and the names of three references to:

Molecular Search Committee
The Cancer Center
Medical College of Wisconsin
8701 Watertown Plank Road
Milwaukee, WI 53226

MCW is an Affirmative Action/Equal Opportunity Employer M/F/H.

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**LEAD SCIENTIST/BIOLOGICAL MACROMOLECULAR CRYSTALLOGRAPHY**

With our combination of scientific rigor and programming excellence, BIOSYM is the recognized leader in the field of computer-aided molecular design. We have a unique opportunity to create an X-ray crystallography software package which will integrate all phases of biological macromolecular structure elucidation by X-ray crystallography with state-of-the-art molecular modeling software.

Currently, we have an immediate need for an innovative and creative professional to lead a team in the design, development and validation of this software. The selected candidate will play a key role in the collaborative development of design objectives with the commercial X-ray focus group and manage the project from inception to implementation.

Requirements include a Ph.D. in Chemistry, Biochemistry or Physics, 2-5 years experience in structure elucidation methodologies of peptides, proteins and/or nucleic acids by X-ray crystallography. Experience with "C", FORTRAN and UNIX is desirable. Outstanding leadership, interpersonal and written/oral communication skills required.

If you possess these qualifications, we are interested in exploring new opportunities with you. BIOSYM offers a full range of benefits and a competitive compensation plan. Please send your resume and salary history, in confidence, to:

Attn: Posting 9652, BIOSYM TECHNOLOGIES, INC., 9685 Scranton Road, San Diego, CA 92121. EOE/M/F/H/V.

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**MICROBIOLOGICAL ASSOCIATES INC.**

**MICROBIOLOGICAL ASSOCIATES, INC. (MA) is a leading international provider of toxicological and biotechnology safety testing services. With our growing commercial and contract services businesses, we have immediate openings for several Ph.D.'s to join our scientific staff.**

**STUDY DIRECTORS**

These three STUDY DIRECTOR positions will be responsible for the supervision of testing programs as well as interaction with clients:

**BIOTECNOLOGY SERVICES** - Requires a Ph.D. in Cell Biology or Virology, 5+ yrs. experience in cell culture and viral assays and 2+ yrs. lab management. Industrial lab experience, GLP and/or GMP, and bio-safety testing background preferred.

**IN VITRO TOXICOLOGY** - Requires a Ph.D. with emphasis in Mammalian Cell Biology or Cellular Toxicology/Pathology, 2+ yrs. relevant experience with cell culture and/or cell biochemistry. Previous supervisory experience necessary. Excellent communication skills essential. Experience with the toxicology of consumer products a plus.

**MOLECULAR TOXICOLOGY** - Requires a Ph.D. plus post-doctoral training in general Molecular Biology. Experience and skills should include PCR, Southern, Northern and Western blots; and DNA and RNA isolation. Experience with oncogenes and toxicology is preferred.

**BIOANALYTICAL SERVICES DIRECTOR**

This individual will be responsible for launching a new Division focused on the biochemical analysis of proteins, carbohydrates and nucleic acids. The Director will also be responsible for the overall technical conduct of studies under GLP/GMP guidelines and for planning, directing and coordinating the validation of new assays. Other duties include management of the technical staff, support of the technical sales efforts, and interactions with clients and regulatory authorities. A Ph.D. in Biochemistry or a related field and 6+ yrs. experience managing a laboratory, preferably in a start-up situation, would be ideal.

Join us as we build on our 40-year tradition of scientific excellence. Our state-of-the-art facilities are located in the Washington, D.C. suburbs. Please send your C.V. and salary requirements to the Human Resources Department, MICROBIOLOGICAL ASSOCIATES, INC., 9900 Blackwell Road, Rockville, MD 20850, Fax: 301/738-1036. EOE/m/f/v.
RESEARCH MICROBIOLOGIST

Rohm and Haas Company, a leading multinational chemical company, seeks a Ph.D. microbiologist or microbial physiologist for development and applications research in Biocides. This position is at our Corporate Research Center in Spring House, PA, near Philadelphia. Typical applications of our industrial biocides include: water treatment (cooling towers and pulp & paper), cosmetics, paint, wood preservatives and marine antifoulants.

Our opening requires an innovative professional with broad interests in both research and business-related developments. The successful candidate will have a Ph.D. degree in microbiology, microbial ecology or microbial physiology. A solid background in organic chemistry is essential. Although not required, postdoctoral or work experience in industrial microbiology would be beneficial. In addition to documented scientific excellence, effective oral and written communicating skills and the ability to work in a multifunctional team environment are imperative.

Rohm and Haas offers a highly competitive salary and benefits program, including relocation assistance. We also provide many programs for the professional growth of our scientific staff. Candidates must be legally entitled to hold regular employment in the U.S.

For consideration, please forward your resume or c.v., including a publications list and references, to: Corporate Staffing #1993, Rohm and Haas Company, 727 Norristown Road, Building 70, Spring House, PA 19477.

An Equal Opportunity Employer M/F/D.
POSITIONS OPEN

BIOCHEMISTRY/MOLECULAR BIOLOGY AND BIOCHEMISTRY, MEHARRY MEDICAL COLLEGE

Faculty positions will be available in 1994 in the Department of Biochemistry, at the level of ASSIST-ANT or ASSOCIATE PROFESSOR. Applicants must have a Ph.D. or equivalent for both, and be able to present formal postdoctoral research experience. Joint appoint- ments in clinical science departments are possible. We are seeking individuals with potential or demonstrated competence in physical biochemistry or in the use of molecular biological approaches to conduct research in molecular medicine, or on fundamental biochemical/cell biological problems. Interested individuals should inquire of Dr. I. Arize, Ph.D., Chairman, Department of Biochemistry, Meharry Medical College, Nashville, TN 37208. An Equal Opportunity/Affirmative Action Employer.

EVOLUTIONARY PLANT SYSTEMATICS

The Department of Biological Sciences, University of Wisconsin–Milwaukee, invites applications for a tenure-track position in plant systematics at the level of ASSISTANT PROFESSOR. The Department of Biology at the University of Wisconsin–Milwaukee is an Equal Opportunity/Affirmative Action Employer. Women and minority scientists are encouraged to apply. Postdoctoral research experience is essential. One or more positions will be filled, contingent upon the number of qualified candidates and available funding. Teaching responsibilities will include courses in plant systematics and participation in the general biology curriculum. Applicants should submit curriculum vitae, statement of research and teaching interests, pertinent reprints, and arrange to have three letters of reference sent to: Chair- person, Plant Systematics Search Committee, Department of Biological Sciences, University of Wisconsin-Milwaukee, P.O. Box 413, Milwaukee, WI 53201. Deadline is February 15, 1994. The University of Wisconsin–Milwaukee is an Equal Opportunity/Affirmative Action Employer. Women and minority science- cists are encouraged to apply. Three members of these nominees and applicants who have not requested that their identities be withheld and the names of all finalists will be released upon request.

ASSISTANT PROFESSORS COMMUNITY ECOLOGY MICROBIOLOGY

The Department of Biology at the University of Central Arkansas invites applications for two tenure-track assistant professor positions to begin in August 1994:
(1) Community ecology: teach general ecology and introductory biology courses. Experience in biostatistics is desirable.
(2) Microbiology: specialization in immunology and experience with cell culture and viruses desirable. Teach microbiology-immunology and introductory biology courses.

Both positions require the establishment of active research programs and supervision of M.S. thesis research. Current Ph.D.'s are encouraged to apply. Submit letter of interest, curriculum vitae, copies of publications, a statement of research and teaching interests, and three letters of recommendation to: Dr. Don Culwell, Chairman, Ecology (or Dr. Donald Smith, Microbiology) Search Committee, Department of Biology, University of Central Arkansas, Conway, AR 72032. Telephone: (501) 450-3030. FAX: 501-450-5914. Review of applications will begin January 5, 1994, but may continue until the positions are filled. The University of Central Arkansas is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR, GENETICS AND DEVELOPMENTAL BIOLOGY. Denison Universi- ty, a selective liberal arts college near Columbus, Ohio, invites applicants for a tenure-track position that starts in late August 1994. The annual teaching responsibilities of the position are 4 courses per year in general genetics, a general course in developmental biology, and participation in an introductory cell and molecular biology course. The successful candidate will develop a research program and advise undergraduate research projects. Ph.D. required. Submit curriculum vitae, un- dergraduate and graduate transcripts, and letters from three references to: Kenneth Klark, Department of Biology, Denison University, Gran- ville, OH 43023. Denison University is an Equal Opportunity/Affirmative Action Employer; women and minorities are encouraged to apply.

ASSISTANT PROFESSOR, PLANT PATHOLOGY.Applications are invited for a plant pathology position located at the Texas A&M Research and Extension Center, Lubbock, Texas. The position will be joint between the Texas Agricultural Experiment Station (75% research) and Texas Tech University (25% teaching). An individual is sought who can establish a strong research program in the management of soil-borne dis- eases. Successful candidates should have research funding for the research. Teaching could include undergraduate and/or graduate-level courses in plant pathology. The individual will work closely with other members of a multidisciplinary team. Applicants should submit by January 15, 1994, a letter of application (containing goals and research interests), curriculum vitae, names of three references, and a research portfolio. Applications are due to: Dr. John B. Abernathy, Resident Director, Texas A&M Center, Route 3, Box 219, Lubbock, TX 79401; Telephone: (806) 327-1051. Review of applications will continue until the position is filled. Texas Tech University is an Equal Opportunity/Affirmative Action Employer.

CHEMISTRY FACULTY POSITION for toxicol- ogist with strong chemistry or biochemistry background. Tenure-track ASSISTANT/ASSOCIATE PROFES- SOR rank beginning fall 1994. Ph.D. and evidence of promise of excellence in both teaching and research required. Responsibilities include teaching chemistry courses at introductory level as well as under- graduate (M.S. level) courses in toxicology and biochemistry, and developing research program. Submit letter of application with names of three referees, resume, un- dergraduate and graduate transcripts (copies acceptable), statement of teaching philosophy, research interests, equipment requirements, preferably by January 3, 1994. Have three references and over- seas experience. Send application to: Position F9409, 204 King Hall, EASTERN MICHIGAN UNIVERSITY, Ypsilanti, MI 48197. Applications are being accepted on an informal basis and encouraged to apply. Affirmative Action/Equal Opportunity Employer.

CELLULAR AND MOLECULAR PHYSIOLOG- Y OR PHARMACOLOGY at ASSISTANT or ASSOCIATE PROFESSOR level. Applications are invited for a full-time tenure-track position in the Department of Veterinary Physiology and Pharmacology. Applicants should have a Ph.D. or equi- valent degree and at least 3 years of postdoctoral experience. Requirements will be: to develop an independent, extramurally funded, integrative research program that complements existing programs within the department and the NCI-designated Cancer Center; a demonstrated interest in translational research with a focus on the translation of research in one or more of our educational programs, which include courses offered to undergraduate, graduate, veter-inary students. The successful candidate will also be expected to contribute to the training objectives of the department and school. Research areas of special interest include signal transduction, gene transfer, cell cycle regulation, receptor pharmacology, intracellular trafficking, and cell biology. Send curriculum vitae, relevant reprints; a 1 to 3 page description of teaching interests and research plans and goals; and a concise 1 to 2 page description of research program to: Dr. Gary Gray, Chairman, Department of Pharmacology, University of Arkansas for Medical Sciences, Little Rock, AR 72205. Applications will be reviewed until the position is filled. The University of Arkansas for Medical Sciences is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

TWO ASSISTANT PROFESSOR BIOLOGY POSITIONS

Hollins College, a selective, private, four-year liberal arts college located in a small town for women, invites applications for two positions starting September 1, 1994. Candidates are expected to have completed the Ph.D. by the time of appointment. The first position is for 3 years (with the possibility of renewal) for a Cellular/Molecular Biologist who can teach undergraduate courses in cell/molecular biology, molecular and mendelian genetics, and micro- biology. The second position is for a broadly trained Biologist to teach courses such as ecology, vertebrate zoology, comparative anatomy, his- tology, and animal physiology. Interested applicants should submit a letter of interest, curriculum vitae, statements of teaching and research interests and experience, copies of significant publications, and three letters of recommendation. The two letters of reference should be to: Dr. Harriet Gray, Chair, Department of Biology, P.O. Box 9616, Roanoke, VA 24020 by December 31, 1993. Hollins is an Equal Opportunity Employer and encourages applications from women and minorities.

DEVELOPMENTAL BIOLOGIST. Eastern Michigan University: Tenure-track ASSISTANT PROFESSOR/SHIP available fall 1994. Department of Biology seeks an individual with full-time commitment to developing graduate and (M.S.) programs. We seek a developmental biologist working at the molecular level, able to teach development biology and genetics. Position requires Ph.D. The individual should have experience in a successful research program that is capable of attracting external funding. Submit letter of interest, curriculum vitae, transscripts, description of re- search, recent reprints, three letters of reference, prefer- ably by December 31, 1993, to: Position #F9411, 204 King Hall, EASTERN MICHIGAN UNIVERSITY, Ypsilanti, MI 48197. Applications are being accepted on an informal basis and encouraged to apply. Affirmative Action/Equal Opportunity Employer.

The Department of Biochemistry at Wayne State University School of Medicine invites applications for tenure-track positions at the ASSISTANT/ASSOCI- ATE PROFESSOR level. Consideration will be given to outstanding individuals who work within the broad areas of molecular and cellular biology. The candi- date will be expected to establish an independent research program, to participate in medical and graduate educa- tion. Candidates should have a Ph.D or M.D. degree with a background in biochemistry and molecular curricu- lum vitae, a brief description of research goals and the names of three references by February 1, 1994, to: Dr. Richard Gray, Chairman, Department of Biochemistry, Wayne State University School of Medicine, 540 East Canfield Street, Detroit, MI 48201. WSU is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ASSISTANT PROFESSORSHIP (2). Tenure- track starting September 1, 1994. Ph.D. in Biology with computer expertise, commitment to teaching, develop- ment of an active research program that includes student participation. Professional activities expected.

V-23 Vestibular Endocrinology and M.S. Ecology, Environmental Biology, and undergrad- uate Animal Form and Function. Must have teaching experience and commitment to teaching.

V-24 Animal Molecular Biology. Teach undergrad- uate and M.S. Cell and Molecular Biology courses and undergrad- uate Molecular Biology, and participate in experimental research program. Must have Animal Molecular Biology.

Send letter of application, curriculum vitae, a brief statement of research and teaching interests and 3 letters of reference to: Dr. Donald L. Cogne, Department of Vertebrate Medicine, Purdue University, West Lafayette, IN 47906. Telephone: (317) 494-1935. FAX: 317-494-4239. Submit application by January 1, 1994. Minority and female applicants are especially welcome. Purdue University is an Equal Opportunity/Affirmative Action Institution. Subject to available funding.
ASSOCIATE PROFESSOR IN BIOCHEMISTRY AND MOLECULAR BIOLOGY

Queensland University of Technology is one of Australia’s largest universities operating on five campuses with 25,000 students. One of the most senior levels of academic appointment in Australian universities is Associate Professor. The School of Life Science is seeking an Associate Professor to head the Biochemistry and Molecular Biology Division. The appointee will develop new initiatives in the teaching of biochemistry and molecular biology to undergraduate and postgraduate students. The appointee should have demonstrated research excellence in the area of biomedical science and will enhance active growth factor research programs within the Centre for Molecular Biotechnology.

Women are under-represented at QUT at this level; therefore suitably qualified women are encouraged to apply.

QUALIFICATIONS/SKILLS: Applicants should meet the University criteria for appointment as an associate professor and must have a Doctoral qualification in a relevant area, or equivalent accreditation or standing.

CONDITIONS: The position is tenurable at the level of Associate Professor - $US38,883 - $US43,939 ($AUD60,475 - $AUD66,625 per annum). Conditions include subsidised superannuation, relocation assistance, and professional experience leave. Smoking is not permitted in QUT buildings or vehicles.

FURTHER INFORMATION: Before submitting an applications, the duty statement, selection criteria and information on the position and University should be obtained from QUT’s Human Resources Department, telephone 617 856 4002 or facsimile 617 856 0273. For further information on the position contact Professor Vicki Sara on 617 864 1534.

APPLICATIONS: Applications and envelopes should quote 466/93. Applications must systematically address the selection criteria and include copies of applicant’s three best papers, evidence of academic qualifications, experience and teaching evaluations plus the names, addresses, telephone and facsimile numbers of five academic or professional referees. Applications should reach the Human Resources Director, QUT, Locked Bag No. 2, Red Hill, Queensland 4059, Australia by 25 February 1994.

An Equal Opportunity Employer

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BROOKHAVEN NATIONAL LABORATORY
DEPARTMENT OF APPLIED SCIENCE

The Department of Applied Science seeks a PhD scientist specialized in plant physiology, with a strong record of accomplishment in field research on the responses of photosynthesis to elevated CO₂, preferably at the canopy level. The ability to build and operate novel equipment for field research is essential. The successful candidate will join the Free-Air CO₂ Enrichment (FACE) Program in early 1994 and will participate in team research activities at various FACE locations within the U.S. and abroad.

Scientists at all career levels are invited to apply. Candidates should submit a curriculum vitae and the names of three references by December 31, 1993, to: Dr. George R. Hendrey, Biosystems and Process Sciences Division, Department of Applied Science, Brookhaven National Laboratory, Associated Universities, Inc., P.O. Box 5000, Upton, Long Island, NY 11973-5000. Equal Opportunity Employer m/f/d/v.

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SENIOR ECOLOGIST

The Department of Biological Sciences is seeking an established scientist in ecology to join the faculty and serve as Director of the Pymatuning Laboratory of Ecology, a field station located 100 miles north of Pittsburgh, which has undergone significant recent renovation. The Laboratory is a residential field station, fully-equipped for research and teaching with field sites, dormitories, faculty cabins, a full dining hall, library, research buildings, teaching laboratories and lecture hall. A full-time staff of four, including a resident manager, report to the Director who reports to the Department Chair. The Laboratory is fully integrated into the research and teaching programs of the Department. We are seeking a person with a funded research programs, strong teaching record, and good interpersonal skills who will provide leadership for the research and teaching mission of the Laboratory, train graduate students, and participate in undergraduate education. The Department has just hired two additional ecologists and intends to recruit one or two more after this senior appointment. The appointment will be made at the level of tenured Associate or Full Professor and will be available as early as September 1994, subject to budgetary approval. In order to ensure full consideration, applications must be received by January 14, 1994. Applicants should send a curriculum vitae, copies of recent publications, a statement of research interests and future plans, and arrange to have at least three letters of reference sent to:

Dr. William Searsy
Ecology Search Committee
Department of Biological Sciences
University of Pittsburgh
Pittsburgh, PA 15260
(412) 624-4266

The University of Pittsburgh is an Equal Opportunity/Affirmative Action employer. Women and minorities are especially encouraged to apply.

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CELL BIOLOGIST

The Department of Plant Biology and the Agricultural Experiment Station at the University of California, Berkeley, has an opening for a tenure-track Assistant Professor (nine months appointment) starting July 1, 1994. Applications are invited from outstanding individuals whose research involves state-of-the-art technology to study fundamental questions in plant cell biology such as intra- and intercellular communication, architecture and function of the cytoskeleton or the extracellular matrix, or structure, function and regulation of other supramolecular complexes in a developmental and cellular context. The successful candidate will be expected to teach plant cell biology courses at the undergraduate and graduate levels and to develop a strong and independent research program. Applicants must have a Ph.D. and at least two years of postdoctoral experience. A curriculum vitae, a statement of current and future research interests, a statement of teaching experience and interests, and three letters of reference, should be sent by February 1, 1994 to:

Chair, Cell Biology Search Committee
Department of Plant Biology
111 Koshland Hall
University of California
Berkeley, California 94720

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

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Molecular Biologist/Biochemist Research and Development

United States Biochemical Corporation (USB®), an international leader in the field of Life Science research products and Molecular Biology, is seeking qualified applicants for up to four positions in Molecular Biology Research and Development. Applicants should have at least a B.S. degree in the chemical or biological sciences. Experience is preferred in one or more of the following areas: DNA cloning and sequencing, protein expression, thermophile research, microbiology, enzymology or protein purification.

USB offers competitive salary, benefits and an intellectually stimulating and challenging environment. Interested candidates should submit a resume, including the names and phone numbers of at least two references and a description of skills to:

Human Resources
MD-1
United States Biochemical Corporation
P.O. Box 22400
Cleveland, OH 44122

EEO Employer M/V/H

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CELL BIOLOGIST

The Department of Plant Biology and the Agricultural Experiment Station at the University of California, Berkeley, has an opening for a tenure-track Assistant Professor (nine months appointment) starting July 1, 1994. Applications are invited from outstanding individuals whose research involves state-of-the-art technology to study fundamental questions in plant cell biology such as intra- and intercellular communication, architecture and function of the cytoskeleton or the extracellular matrix, or structure, function and regulation of other supramolecular complexes in a developmental and cellular context. The successful candidate will be expected to teach plant cell biology courses at the undergraduate and graduate levels and to develop a strong and independent research program. Applicants must have a Ph.D. and at least two years of postdoctoral experience. A curriculum vitae, a statement of current and future research interests, a statement of teaching experience and interests, and three letters of reference, should be sent by February 1, 1994 to:

Chair, Cell Biology Search Committee
Department of Plant Biology
111 Koshland Hall
University of California
Berkeley, California 94720

The University of California is an Equal Opportunity/Affirmative Action Employer
The University of Texas at Austin—Houston Medical School seeks to fill a tenure-track position at the ASSISTANT/ASSOCIATE PROFESSOR level in one of the following areas of Cell Biology: extracellular matrix; cytoskeletal elements; growth factors and signal transduction. Interested individuals are invited to send their curriculum vitae, two letters of recommendation, and a statement of research interests to: Dr. William M. Ellington, University of Texas at Austin—Houston Medical School, One Baylor Plaza, Houston, Texas 77225-8212. The University of Texas is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

BIOLGY DEPARTMENT

ASSISTANT PROFESSOR, TENURE-TRACK POSITIONS

MICROBIOLOGIST—Ph.D. in Microbiology or related field, postdoctoral experience desirable. Teaching and research in microbiology with additional teaching in medical or veterinary microbiology preferred.

BOTANIST—Ph.D. in Botany or related field with postdoctoral experience desirable. Teaching and research in Plant Systematics, Anatomy/Morphology, and some general biology. Preference for research interests in evolutionary/ecological aspects of vascular plants.


ZOOLOGIST—Ph.D. in Biology with postdoctoral experience desirable. Teaching in Vertebrate Biology, Ornithology, Mammalogy, and some general biology. Research interests in terrestrial birds and/or mammals preferred.

Send curriculum vitae and 3 reference letters to: Department of Biology, California State University Northridge, 18111 Nordhoff Street, Northridge, CA 91320-8303 by February 1, 1994.

ASSISTANT PROFESSORS

Two tenure-track positions, August 1994. Seeking Ph.D.'s committed to undergraduate teaching and development of research program involving undergraduates.

(1) INTELLIGENT-VEHICULAR BIOGIST to teach animal biology, ichthyology, and vertebrate natural history. (2) BOTANIST with molecular biology/biotechnology training to teach general biology for nonmajors. Application must be received by February 4, 1994. Send application letter stating teaching/research interests, curriculum vitae, undergraduate and graduate transcripts, up to 3 significant publications, and 3 reference letters to: Position Search Committee, Department of Biology, University of Wisconsin—Eau Claire, Eau Claire, WI 54702-4004. Internet: BIOLSRCH@UWEC.EDU. Telephone: 715-836-4166. FAX: 715-836-2380. UWEC is an Affirmative Action/Equal Opportunity Employer. Applications from women and persons of color are particularly welcomed.

DIRECTOR OF RESEARCH (M.D. or Ph.D.)—METROHEALTH MEDICAL CENTER (a teaching hospital of Case Western Reserve University School of Medicine) New position created for individual responsible for coordination of all research programs. Duties include: develop and implement research strategic plan, allocate research space in new, 80,000 square foot building, assist development of departmental research programs, recruitment and allocation of hospital research funds. Active research in area of personal interest and expertise. PhD or M.D. required. Salary range $53,000 open awarded at Case Western Reserve University. Must have proven record of experience in directing research programs and continuing national recognition. Send curriculum vitae to: John J. Devine, M.D., Search Committee Chair, Department Pediatrics, MetroHealth Medical Center, 2800 MetroHealth Drive, Cleveland, OH 44109-1998. An Equal Opportunity Employer.

Biology—two positions: DEPARTMENT CHAIR and ASSISTANT PROFESSOR. One position in molecular biology with specialization in biophysics, anatomy, development, endocrinology or related areas. Chair will be appointed at a rank appropriate for the candidate's experience. Submit curriculum vitae, two letters of recommendation, and a statement of teaching philosophy and professional interests to: John D. Shepley, Biology Department, College of Liberal Arts, University of Colorado at Denver, Campus Box 177, P.O. Box 173364, Denver, CO 80217. The University of Colorado at Denver is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

BOTANIST:
The Department of Biology at the University of Colorado at Denver seeks applicants for an ASSISTANT PROFESSOR tenure-track position to begin August 1994, if the position is funded. Postdoctoral and teaching experience are desirable. A commitment to quality teaching and research is essential. Teaching responsibilities consist of two courses each semester, including field based field course, and possibly a laboratory course. Teaching research experience is preferred. Send curriculum vitae and a statement of research interests to: Chair of the Search Committee, Dr. Lenard M. Hassen, Biology Department, University of Colorado at Denver, Campus Box 177, P.O. Box 173364, Denver, CO 80217, by January 7, 1994. Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

ASSOCIATE DIRECTOR FOR RESEARCH: Geriatric Research, Education and Clinical Center (GREC)—The Search Ventures Affairs Medical Center, the Division of Gerontology and Geriatric Medicine, Department of Medicine and the Department of Pharmacology at the University of Washington are jointly recruiting a full-time, non-clinical faculty member (M.D. or Ph.D.) at the associate or full professor level, commensurate with qualifications. Major responsibilities for this directorship include: (1) coordinating the research programs of 12 independent Ph.D., M.D., or Ph.D./M.D. investigators, (2) developing the American Lake VAMC GREC; (3) continuing one's own established aging-related research program focused in neurobiology, neuroendocrinology, molecular pharmacology, or related discipline; (4) monitoring the scientific development of trainees in geriatrics/gerontology; and (5) promoting the interests of the GREC locally and nationally. The incumbent must have a commitment to the development of 2 to 3 additional M.D. and Ph.D. principal investigators to the program and will occupy newly renovated research space at the 3500 California Avenue, Seattle building. Send curriculum vitae and letter of interest to: Itamar Abrass, M.D., Chair Search Committee, Harborview Medical Center, 325 16th Ave., Seattle, WA 98104-2499. The closing data for application is December 31, 1993. The V.A. and University of Washington are Affirmative Action/Equal Opportunity Employers. Women and minorities are encouraged to apply.

Chair, Department of Pharmacology—University of Wisconsin Medical School

The University of Wisconsin Medical School, Madison, is continuing its search for a Chairperson of the Department of Pharmacology. Professor Lowell Hook, who has provided 25 years of strong leadership, will seek a person who is able to give outstanding scientific, academic, administrative and leadership to all aspects of the department. Send all materials for the Chair position to: Professor Richard Moss, Chair of the Search Committee, College of Pharmacy, 1205 Medical Sciences Center, 1300 University Avenue, Madison, WI 53706. To ensure full consideration, applications must arrive by December 31, 1993.

Undergraduate science information regarding applicants must be released upon request. Finalists cannot be given confidentiality. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.
George Mason University

The Department of Geography and Earth Science (GESS) and the Institute for Computational Sciences and Informatics (CSI) invite applications for a senior faculty appointment. We seek an innovative, interdisciplinary scientist interested in developing joint research opportunities with GESS and CSI faculty who have already begun to explore global change issues.

The ideal candidate will have extensive experience in computational techniques and modeling with applications to earth systems science and global change. The specific area of research is open.

We especially encourage applicants with specialization in computer modeling of atmospheric, biospheric, climatological, geomorphologic, oceanographic, or hydrologic processes. For example, possible successful candidates include: an expert in environmental processes modeling employing remotely sensed data, or an expert in the application of geographic information analysis to global change issues.

Only senior faculty will be considered for this position. Candidates should have a well-defined program of research and be able to demonstrate the capacity to provide research leadership and gain external funding; they should also demonstrate an ability for high quality graduate teaching.

George Mason is a rapidly growing state university in the metropolitan Washington DC area, convenient to funding agencies and major government and industry facilities. Candidates for this position should submit a letter of application detailing experience, a curriculum vitae, and names of three references. Review of applications will begin December 15, 1993. No application will be considered beyond May 15, 1994.

George Mason University is an Affirmative Action/Equal Opportunity Employer. We strongly encourage women and minority candidates to apply for this position. Availability of the position depends on budgetary approval.

Applications should be sent to: Dr. Deborah A. Boehm-Davis, Chair, CSI/GESS Search Committee, Mail Stop 3A2, George Mason University, Office of the Provost, 4400 University Drive, Fairfax, VA 22030-4444.

UNIVERSITY OF MICHIGAN

MOLECULAR GENETICS OF PROTEIN FOLDING

The Institute of Gerontology and the Department of Biological Chemistry announce the availability of joint tenure-track faculty positions to investigate protein folding, assembly and trafficking by modern molecular genetic, biochemical or biophysical approaches. We are most interested in individuals with established research in the general area of protein folding mechanisms in vitro or in vivo; and individuals whose research focuses on folding and assembly of motion-facilitating molecules in skeletal muscle. Each successful candidate is expected to develop a vigorous, independent research program and to participate in undergraduate/graduate teaching in Biological Chemistry. The University of Michigan provides an excellent research environment as well as competitive salary and fringe benefits.

Applications should include curriculum vitae, list of publications, summary of past research and statement of plans for future work, as well as the names, addresses, telephone and fax numbers of at least three individuals who may be contacted as references. Completed applications should be sent to:

Dr. Ari Gafni
Chair of the Search Committee
University of Michigan
Institute of Gerontology
300 N. Ingalls
Ann Arbor, MI 48109-2007

Review of the applications will begin in December 1993 and continue until suitable candidates are identified. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.
POSITIONS OPEN

The CINCINNATI MUSEUM OF NATURAL HISTORY seeks a CURATOR OF VERTEBRATE PALeOLOGY to establish an active research program, oversee the Museum's fossil vertebrate collections, and contribute to educational programs and development of exhibits. Salary and curatorial level are negotiable. Minimum qualifications include a Ph.D., with an exceptional record of research and funding are desirable. Send statement of research interests, reprints, curriculum vitae, and three letters of recommendation by 28 January 1994 to: Dr. Nigel Hughes, Cincinnati Museum of Natural History, 1720 Gilbert Avenue, Cincinnati, OH 45202. FAX: (513) 345-8501. An Equal Opportunity Employer.

DIRECTOR

The Moss Landing Marine Laboratories (MLML) invites applications for the position of Director. Responsibilities include administering the academic and research programs, coordinating faculty and student affairs, fostering and participating in the instructional program, maintaining an active research program, and encouraging the education and research activities of faculty and students. Currently, MLML has 160 full-time employees and 283 temporary faculty; the Director will be instrumental in the reconstructions process. The Director should be a distinguished scientist of international reputation, eligible for tenure, with broad interests in the marine sciences, a Ph.D., a notable record of academic achievement, administrative expertise, and a demonstrated ability to provide effective management and leadership. Familiarity with UNOLS ship operations is desirable. Submit curriculum vitae, names of three referees, recent publications/reprints, and other information as may be appropriate. Review of applications begins January 15, 1994, and a decision is expected by May 1, 1994, with a starting date of September 1, 1994 (or earlier). Dr. Kenneth R. Rebman, Chair, Moss Landing Marine Laboratories Governing Board, P.O. Box 450, Moss Landing, CA 95039. Detailed position announcements from MLML at the above address or call 408-755-8650 or Email: JOHNSTON@CALSTATE.EDU. SJSS/MLML is an Equal Employment Opportunity/Affirmative Action Employer.

FACULTY POSITIONS

Department of Neuroscience

The Johns Hopkins School of Medicine invites applications for full-time, tenure-track faculty positions. Preference will be given to applicants with broad interests in cellular, molecular, and developmental biology; Ph.D. or M.D. and appropriate postdoctoral training. Faculty members are expected to establish active independent research programs and participate in teaching graduate and medical students. Please send curriculum vitae, a brief description of current and future research interests, and arrange to have three letters of recommendation sent to: Solomon H. Snyder, M.D., Search Committee, Department of Neuroscience, The Johns Hopkins University School of Medicine, 725 North Wolfe Street, Baltimore, MD 21205.


FACULTY POSITIONS

Applications are invited for faculty positions in Biochemistry, Physiology, and/or Immunology. Principal duties involve the teaching of first- and second-year osteopathic medical students in a curriculum utilizing a systems approach. The individual will also be expected to develop a research program independently or in collaboration with other investigators. Individuals with evidence of excellence in teaching and independent research funding will be given priority. Rank is open based upon qualifications and experience. Review of applications will begin immediately and will continue until the position is filled. Submit a letter of application, curriculum vitae, and the names and addresses of at least three references to: Silvia Ferretti, D.O., Vice President for Education, Lake Erie College of Osteopathic Medicine, 1858 West Grandview Boulevard, Erie, PA 16509. LECOM is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT RESEARCHER

UNIVERSITY OF CALIFORNIA, IRVINE

The Department of Physiology and Biophysics, University of California, is recruiting for a faculty position at the Assistant Researcher level. The candidate should have expertise and a publication record in the biochemical and/or physiological regulation of the cardiovascular system. The University of California, Irvine, is an Equal Opportunity Employer. Send curriculum vitae and three letters of recommendation to: Dr. Charles H. Sowers, Department of Physiology and Biophysics, University of California, Irvine, CA 92717.
Scientists

Sandoz Pharmaceuticals Corporation is responsible for products that improve the quality of life. Our developments are the result of research conducted by professionals who specialize in many different fields.

The structural biology group is looking for a scientist whose primary responsibility is to maintain a Bruker AMX500 NMR spectrometer. Other duties include preparation of samples, running 1D, 2D and 3D spectra of peptides and proteins.

The selected candidate must possess a MS degree or equivalent in physical chemistry, biochemistry or a related field with 3-5 years of experience in high-resolution NMR spectroscopy. You should be familiar with handling biological samples. Experience in heteronuclear NMR and familiarity with UNIX workstations are desirable.

Positions at Sandoz offer personal satisfaction, professional opportunity/challenge, competitive salaries and an excellent benefits package. Our campus-like facilities are conveniently located in northern New Jersey. For prompt, confidential consideration, respond to position #2812DJ. Only those resumes with salary requirements listed will be seriously considered. Forward your resume and salary requirements, in confidence, to:

SANDOZ PHARMACEUTICALS CORP.
Staffing Department
Building 122/3
East Hanover, NJ 07936

An Equal Opportunity Employer M/F/D/V

SAN DO Z

bringing research to life

Head of Structural Biology Program

Lawrence Livermore National Laboratory (LLNL), one of the nation’s leading research and development organizations, has a senior position available in the Biology and Biotechnology Program for an individual to direct and further develop a dynamic and interactive research group in structural biology. This new effort will add a new dimension to our already expanding programs in carcinogenesis, DNA repair, chromatin structure, and genomics. The individual will be expected to lead a group of highly motivated independent investigators, to develop his/her own research effort and to participate in setting up new facilities for high-field NMR and x-ray diffraction. This is a high priority research area for both the Program and LLNL, and funds are expected to be available for new facilities, equipment and program expansion.

Candidates must have shown an ability to develop an independent research program and have a strong commitment to collaborative research. The applicant must have demonstrated experience in resolving the structure and function of biological molecules by NMR, x-ray diffraction or other state-of-the-art techniques.

Interested applicants are invited to send their CV including references to Ms. Quincy McClain, Professional Employment Division, Lawrence Livermore National Laboratory, PO Box 5510, L-725, Dept. #AJSCC330M, Livermore, CA 94551. For further information regarding this position call either Dr. Rod Balhorn at (510) 422-6284 or Dr. James Felton at (510) 422-5656. U.S. citizenship preferred. We are proud to be an Equal Opportunity Employer. M/F/D/V.

University of California

Lawrence Livermore National Laboratory

Post Doctoral Fellow

The National Cancer Institute, National Institutes of Health, Public Health Service, requests applications for a Post Doctoral Fellow located in the Experimental Retrovirology Section of the Medicine Branch, Clinical Oncology Program in Bethesda, Maryland. Salary range is $28,000 - $48,000. The National Cancer Institute is an Equal Opportunity Employer.

Qualifications:

1. At least four years practical experience, as demonstrated by scientific publications, in the area of development of antiviral therapy against HIV1 infection using the techniques involved in anti HIV1 drug testing and the determination of antiretroviral mechanism of such drugs.

2. At least four years practical experience in performing and training others in the techniques involved in the isolation and propagation of clinical HIV1 strains from individuals infected with HIV1 receiving antiviral therapy, and determination of genotypic and phenotypic properties of such HIV1 strains.

3. At least four years practical experience as a physician, as demonstrated by scientific publications, in the study of cancer immunology using lymphokine induced immunocompetent cells.

All applications should be sent to:

Robert Wittes, M.D.,
Chief Medicine Branch,
COP, DCT
National Cancer Institute
Building 10, Room 12N212
9000 Rockville Pike
Bethesda, MD 20892

All applications must be postmarked within 14 days of the date of this publication. All applications should include the following:

a) Curriculum vitae and bibliography
b) Cover letter including date and place of birth
c) C.V. should detail education and training, as well as current residence.
POSTDOCTORAL POSITION

will participate in the purification and cloning of an endogenous hormone in human congenital factor IX. Send/FAX curriculum vitae and 3 letters of reference to: Darrel Stafford, Department of Biology, 442 Wilson Hall, North Carolina at Chapel Hill, Chapel Hill, NC 27599-3280; FAX: (919) 962-0597.

POSTDOCTORAL SCIENTIST—Merck Research Laboratories, a leader in pharmaceutical research, has an immediate opening for a postdoctoral research scientist in the Biological Chemistry Department involving the study of enzyme catalyzed post translational modification of initiation factors for protein translation. The position requires a Ph.D. in biochemistry or a related field, and experience in purification and molecular biology. Excellent salary and benefits programs accompany this position at our modern research facilities located 25 miles northwest of Philadelphia. Please send curriculum vitae with cover letter including a brief statement of research interests and the names of three references to: Personnel Manager, Ad D-22, MRL Human Resources WP42-2 Merck Research Laboratories, P.O. Box 4, West Point, PA 19486. Equal Employment Opportunity/Affirmative Action/V/Employer.

POSTDOCTORAL POSITIONS are available to study MOLECULAR STRUCTURES OF ION CHANNELS AND RECEPTORS including the nicotinic acetylcholine receptor and the cystic fibrosis transmembrane conductance regulator (Science 258:307; PNAS 90:6285; J. Biol. Chem. 268.2) Faculty include: Arthur Karlin, Myles Akabas and Jonathan Javitch. Please send curriculum vitae, reprints of recent publications and the names of three references to: Arthur Karlin, Center for Molecular Recognition, Columbia University, 630 West 168th Street, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION for molecular biologist to work on an NIH-funded project entailing the in vitro or in vivo characterization (transgenic mice have been generated) of cis and trans-acting molecules that determine cell-type specificity and inducibility of a cytolytic lymphocyte specific molecule. Send curriculum vitae and three letters of reference to: Dr. Mathias Lichtenheld, Department of Microbiology and Immunology, School of Medicine, University of Miami, P.O. Box 106960 (R 138), Miami, FL 33101.

POSTDOCTORAL POSITION for a Chemical Ecologist/Plant Physiologist interested in the chemical basis of seed germination cues. Prefer applicants with familiarity with herbaceous plants, and experience in modern laboratory and field techniques. Project involves isolation and identification of constituents of wood smoke that stimulate the germination of seeds. Strong background in molecular techniques and experience of research interests, addresses and telephone numbers of three references to: Dr. Ian Baldwin, 109 Cooke Hall, University at Buffalo, SUNY, Buffalo, NY 14260-1300. Telephone: 716-645-3845; FAX: 716-645-2975.

POSTDOCTORAL POSITION available immediately to study RNA interactions. Work will focus on RNA recognition by phage T4 rgg protein. Research will involve fluorescence quenching, RNA and protein purification, cloning and mutagenesis. Send curriculum vitae, description of research experience and names of three references to: Dr. Eleanor Spencer, Department of Biochemistry and Molecular Biology, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS. Immediate openings to study intercellular enzymology of phospholipases A2, Drosophila phospholipase A in hemocytes, and the mechanism of catalysis of phospholipases, the regulation of these enzymes in cells, and the design and analysis of inhibitors. One project is focused on characterization of CLIP, a phospholipase A2 encoded by a transposable element isolated by shogun antisense. A Ph.D. in biological sciences and research experience in molecular biology are required. Please send a brief background and research interest, curriculum vitae, and names of three references to: Dr. Richard Gomez, Department of Biochemistry and Cell Biology, Rice University, Houston, TX 77251-1892.

POSTDOCTORAL POSITION INSECT MOLECULAR GENETICS

A postdoctoral research position is available to participate in the genetic, molecular genetic and biochemical investigations of insect transposable elements and to develop novel approaches of medical and economic importance. A family of short-inverted repeat transposable elements is being vigorously investigated in drosophilid and non-drosophilid insects (PNAS 90:3693). Experience in molecular genetics is essential. Individuals with training and experience in Drosophila molecular genetics who are interested in working in the emerging field of non-drosophilid molecular genetics are encouraged to apply. Send curriculum vitae and the names of three references to: Dr. David Orotchka, Center for Biological Research, University of Wisconsin-Madison. Biology Institute, Room 2115, Ag/Life Science Surge Building, University of Maryland, College Park, MD 20742. Telephone: 301-405-7680, FAX: 301-405-7681. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately for studies of immunologic suppressor mechanisms in experimental murine candidiasis. The successful candidate should have a Ph.D. with a strong background in immunology and experience in cell culture techniques. Research offers a unique opportunity for application of basic immunology to solution of a medically important problem. Minimum 2-year commitment required; salary competitive. Submit curriculum vitae and names and addresses of three references to: Dr. Judith Domer, Department of Immunobiology, Tufts University School of Medicine, 1430 Tulane Avenue, New Orleans, LA 70112-2699. Tulane University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

Available to study photosensitizing merocyanine dyes with antineoplastic, antiprotozoal and antiviral activity (experimental and/or clinical). Requires Ph.D. in biochemistry and/or biochemistry and molecular biology. Send curriculum vitae, names of three references to: Dr. Ian Baldwin, 109 Cooke Hall, University at Buffalo, SUNY, Buffalo, NY 14260-1300. Telephone: 716-645-3845; FAX: 716-645-2975.

POSTDOCTORAL FELLOWSHIP Available for studies on the molecular basis of cell differentiation and cell lineage. Limited to those with recent Ph.D's. Prefer background in molecular biology. Stanford is an Equal Opportunity Employer through Affirmative Action. Send curriculum vitae and names of three references to: Frank E. Stockdale, M.D., Ph.D. Stanford University School of Medicine, M211 Stanford, CA 94305-5306

TWO POSTDOCTORAL FELLOWS

Opportunities to work on second generation synthetic macrocyclus and helices and/or chimeric proteins. (Experimental and/or clinical). Requires Ph.D. in immunology and/or multidisciplinary group specializing in molecular biology, protein chemistry, immunology and structural analysis. Ph.D in molecular biology, protein chemistry, biochemistry or immunochemistry are preferred. Send curriculum vitae and three letters of recommendation to: Dr. Mark I. Greene, Department of Pediatrics, Stanford University School of Medicine, 360 24th Street and Hamilton Walk, Philadelphia, PA 19104-6082. Funding is available only to U.S. citizens. Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL/RESEARCH ASSOCIATE POSITION IN EURYARTIC GENE EXPRESS.

Opening for Biochemistry/Molecular Biology/Chemists graduate (Ph.D./M.S.) to study the molecular basis of cell cycle regulation and stress induction in mammalian cells. Experience in tissue culture, protein biochemistry, transfection of mammalian cells and expertise in molecular virology and names of at least two references to: Dr. Amy Lee, Norris Cancer Center, University of Southern California, School of Medicine, 1441 Eastlake Avenue, Los Angeles, CA 90033.

MOLECULAR BIOLOGIST SIGNAL TRANSDUCTION

RESEARCH ASSOCIATE POSITION: Highly experienced and productive individual wanted to join a group investigating signal transduction pathways focusing on PKC, NAD, lipid second messenger and cell growth regulation. Doctorate required. Must have experience with mammalian cells. Send curriculum vitae, references, and list of publications to: Dr. Robert M. Bell, Chairman, Department of Molecular Cancer Biology, Duke University, Medical Center, Box 3711, Durham, NC 27710. Deadline for application is December 22, 1993. Duke University is An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL/RESEARCH ASSOCIATES IN THEORETICAL-COMPUTATIONAL CHEMISTRY/EXPERIMENTAL CHEMICAL PHYSICS

Theoretical and experimental quantum control of chemical dynamics. Ultrashort, fast electron wavelengths and X-ray diffraction as applied to imaging molecular structures. Position is available immediately and requires strong background in quantum mechanics, quantum control of chemical dynamics or related areas; (2) experimentalists, particularly those with strong background from among molecular or quantum chemists. Salary: $30,000-$45,000. Send curriculum vitae, references, and list of publications to: Prof. Kent R. Wilson, Department of Chemistry 0339, University of California, San Diego, La Jolla, CA 92039-0339. Affirmative Action/Equal Opportunity Employer.

PRINCIPAL MUSEUM SCIENTIST with the Department of Entomology, University of California, Riverside; full-time career position to: (1) manage the Entomology Museum of 1.5 million specimens; (2) manage the quarantine and breeding program introduced entomophagous arthropods for biological control; and (3) develop a research program in systematics and biology of parasitic Hymenoptera (responsible for: supervise two permanent support staff). M.S. in Entomology or related discipline (Ph.D. preferred); knowledge of taxonomy and biology of entomophagous arthropods, with emphasis on parasitic Hymenoptera preferred; experience in curating museum collections. Hired applicant must show proof of identity and right to work in the United States. Applicants should send resume, transcripts, and have four letters of recommendation sent to: Personnel Department, University of California, Riverside, CA 92521-14. R.E. Principal Museum Scientist Position in Entomology #92-11-001. The University of California is an Equal Opportunity/Affirmative Action Employer.

PHARMACOLOGIST/MOLECULAR BIOLOGIST/ONCOLOGIST

The Division of Pediatric Pharmacology & Toxicology and the Center for Laboratories at the Robert Wood Johnson Medical School of the University of Medicine and Dentistry of New Jersey and Rutgers University is recruiting for an experienced scientist to explore the unique aspects of cancer in children or the development of new chemical entities to treat cancer in children. Excellent start-up provided. For further details please write to: Dr. George Lambert, Division of Pediatric Pharmacology and Toxicology, UMDNJ—Robert Wood Johnson Medical School, One Robert Wood Johnson Place, New Brunswick, NJ 08903. UMDNJ-RWJMS is an Affirmative Action/Equal Opportunity Employer, M/F/D/V, and a member of the University Health System of New Jersey.
**POSTGRADUATE AND POSTDOCTORAL POSITIONS AVAILABLE IN GENOME ANALYSIS**

The Sanger Centre is a new institute engaged in genome research, jointly funded by the Wellcome Trust and the MRC. Part of the work involves large scale sequencing of the genomes of yeast, nematode and human. This will be complemented by computer analysis of genome sequences and mapping studies leading to the identification of genes of biological and clinical importance.

Applications are invited for positions in the following areas:

_**The Sanger Centre**_

Hinxton Hall, Hinxton, Cambs CB10 1RQ
Tel: 0223 854244, Fax: 0223 494919

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**HUMAN GENOME ANALYSIS — DAVID BENTLEY**

- the application of yeast artificial chromosomes to the long range mapping of human chromosomes using hybridisation and PCR-based approaches. Initial studies will focus on regions of the X-chromosome and chromosome 6.

**YEAST GENETICS AND YEAST GENOME ANALYSIS — BART BARRELL**

- functional analysis of genes using the techniques of yeast genetics
- transcription mapping of yeast chromosomes
- computer analysis of yeast chromosome sequences and establishing a genetic and bibliographic database of yeast genes

**INFORMATICS — RICHARD DURBIN/RODGER STADEN**

- genomic sequence analysis
- sequence evolution
- protein sequence comparison and structure prediction
- software to support large scale genomic sequencing and mapping

Candidates should have experience in the appropriate techniques and should supply a full CV including a detailed list of publications, a statement of current and future research interests and the names and addresses of at least 2 referees.

Apply in the first instance to Rachael Jeffries, Sanger Centre, Hinxton Hall, Hinxton, Cambridge, CB10 1RQ, United Kingdom stating clearly the project(s) you are interested in. Applications should arrive not later than 30th December 1993.

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**PROGRAM LEADER**

**Ovarian Cancer Program**

The Department of Internal Medicine and the H. Lee Moffitt Cancer Center and Research Institute at The University of South Florida are seeking a board-certified or board-eligible medical oncologist (M.D. or M.D./Ph.D.) with an active basic research program relevant to ovarian cancer. This individual would serve as Program Leader for the Ovarian Cancer Program within the Cancer Center. The primary time commitments would be to the individual's own laboratory research program and to the organization, leadership, and administration of the Ovarian Cancer program, which also includes significant input into the Cancer Center planning and administration. The clinical commitments would be very modest. This position may be tenure earning.

Send curriculum vitae and a brief statement of major academic interests to Roy H. Behrke, M.D., Chairman, Department of Medicine, University of South Florida and Kenneth S. Zuckerman, M.D., Director, Division of Medical Oncology and Hematology, University of South Florida and H. Lee Moffitt Cancer Center and Research Institute. Address: Office of Faculty Recruitment, H. Lee Moffitt Cancer Center, 12902 Magnolia Drive, Tampa, FL 33612. Deadline for receipt of applications is January 13, 1994.

The H. Lee Moffitt Cancer Center and Research Institute, adjacent to the Health Sciences Center on the University of South Florida's Tampa campus, includes a modern, dedicated cancer hospital with 162 inpatient beds and ambulatory facilities for adults and children, an expanding 20-bed bone marrow transplantation program, a recently established, high volume screening program, and new basic research and conference facilities.

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**U. S. DEPARTMENT OF ENERGY**

**POSTGRADUATE RESEARCH PROGRAMS**

**Human Genome**  Global Change
**Toxicology**  Engineering
**Fossil Energy**  Physical Sciences
**Hazardous Wastes**  Environmental Sciences
**Fusion Energy**  Life Sciences
**Computer Sciences**  Risk Analysis

- Research at national laboratories
- Stipends $22,200 - $55,000 depending on degree, program, research area
- Recent graduate degree
- U.S. citizenship or PRA status may be required

Information and applications:

**Postgraduate Research Programs**
Science/Engineering Education Division
Oak Ridge Institute for Science and Education
P.O. Box 117
Oak Ridge, TN 37831-0117
(615) 576-7385
POST-DOCTORAL FELLOW

Position open for Scientist with background in molecular biology to join an active group studying the pathogenesis of atherosclerosis using molecular and structural techniques. Opportunities include studies on adhesion molecules, coagulation proteins, viruses, lipoproteins, and signal transduction pathways as they relate to thrombosis and atherosclerosis processes. Position offers excellent opportunity for collaboration within a large group of NIH-funded vascular biologists in the Departments of Biochemistry, Pathology, Pharmacology and Medicine. Fellows will be appointed for a two year term beginning July 1, 1994; stipends will be funded by our on-going NIH training program in Cardiovascular Biology. Requirements are a Ph.D. or M.D. and U.S. citizenship or permanent residency.

Please send curriculum vitae and names and addresses of three references to: Dr. David P. Hajjar, Professor of Biochemistry and Pathology, Director, NIH-Training Program, Cornell University Medical College, 1300 York Avenue, New York, NY 10021. Equal Opportunity/Affirmative Action Employer.

CORNELL UNIVERSITY MEDICAL COLLEGE

POSITION ANNOUNCEMENT
HEAD OF THE DEPARTMENT OF VETERINARY BIOSCIENCES

The University of Illinois College of Veterinary Medicine at Urbana-Champaign is seeking an outstanding academician to provide direction and leadership for the Department of Veterinary Biosciences which includes the disciplines of morphology, physiology, pharmacology, toxicology and nuclear medicine. Candidates must have a DVM and/or Ph.D. degree and a distinguished record of scholarship to qualify for a tenured, professorial position in the Department. Candidates must also have a sensitivity to student concerns and leadership qualifications. Experience in teaching in a veterinary environment is desirable. Administrative skills and a proven record of success in grantmanship are required as are strong interpersonal skills and a commitment to excellence in teaching, research, and service. Candidates should have experience in an area of expertise in one of the discipline areas represented in the department. A background indicating talent for collaborative and interdisciplinary work is desirable. The Head of the Department of Veterinary Biosciences reports to the Dean and interacts with faculty, staff, professional and graduate students, and College- and University-level administrators.

The appointment is 100% time on a 12-month basis with the Department of Veterinary Biosciences. The position is largely administrative, but the incumbent will be encouraged to teach and conduct research in his/her area of expertise. Salary and starting dates are negotiable.

Applicants should submit their professional resumes and the names and addresses of three references to: Dr. J. E. Hixon; Chairperson, Search Advisory Committee; Office of the Dean; College of Veterinary Medicine; University of Illinois; 2001 South Lincoln Avenue; Urbana, IL 61801; 217/333-2760.

In order to ensure full consideration, applications must be received by February 15, 1994.

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

FACULTY POSITION
MICROBIOLOGY AND IMMUNOLOGY

The Department of Microbiology and Immunology of the City University of New York Medical School invites applications for a tenure-track position at the level of Assistant Professor. Candidates are expected to have a Ph.D. or M.D. degree, or equivalent, and to have completed appropriate post-doctoral training with a demonstrated record of significant research accomplishments. Individuals with experience in molecular or cellular immunology, virology, parasitology, or infectious disease will be considered for the position. Teaching responsibilities include medical students, physician's assistants and graduate students.

The Department has strong and diverse research interests and interacts with other University Departments at the Medical School and other CUNY campuses. Faculty have access to a wide variety of state-of-the-art facilities. Funds for initiation of the research program of the successful candidate will be available. Salary range: $29,931-$51,254 commensurate with experience.

Interested individuals should send a curriculum vitae, copies of recent publications, a brief statement of future research goals and three letters of reference by Feb. 12, 1994 to: Dr. Richard Coico, Chairman, Dept. of Microbiology and Immunology

CUNY MEDICAL SCHOOL
CITY COLLEGE OF NEW YORK
138 Street
New York, NY 10031

The City University of New York is an AA/EEO Employer M/F.

Allelix Biopharmaceuticals Inc. is a Toronto-based biopharmaceutical company focused on therapeutics for bone disorders, inflammation, viral diseases and central nervous system disorders. Our success is based on the energies of creative professionals, advanced technology and solid financial support.

Virologists
Manager

We currently seek an experienced virologist to manage a group assessing potential antiviral compounds. Experience with a wide range of viral assays is essential. Expertise in molecular virology would be a definite asset, as would prior industrial experience. The successful candidate will have a Ph.D. and at least 5-10 years of relevant experience.

Research Scientist

We also seek a scientist (Ph.D.) with experience in classic and molecular virology.

Qualified candidates should submit a resume, together with the names and addresses of three references to: Human Resources, Allelix Biopharmaceuticals Inc., 6850 Gowerway Drive, Mississauga, Ontario, Canada L4V 1P1.

Allelix BIOPHARMACEUTICALS
ANIMAL PHYSIOLOGIST
FOREST ECologist WILDLIFE ECologist

Department of Biology, seeks to fill three full-time, tenure-track Assistant Professor positions, beginning Fall 1994, pending budget approval. Department offers undergraduate degrees in Biology and Wildlife/Fisheries; graduate degrees in Wildlife Management, Fisheries Management, and Applied Ecology and Conservation Biology.

Ph.D. required. College-level teaching experience preferred. Successful applicants will demonstrate potential for teaching and research excellence, and willingness to direct undergraduate and graduate research.

ANIMAL PHYSIOLOGIST: teach upper-level course in general/comparative animal physiology and introductory biology courses. Prefer research areas in molecular, developmental, and reproductive physiology with some experience with electron microscopic techniques. (Position #94-360-SCI)

FOREST ECologist: teach courses in forest science and plant community analysis. Ph.D. in ecology or related area. Strong background in botany and statistics/biometrics required. Demonstrate willingness to collaborate with faculty on conservation biology and natural resource management projects. (Position #94-361-SCI)

WILDLIFE ECologist: teach courses in wildlife management, wildlife techniques and island biogeography. Prefer experience with large mammals and/or endangered species. (Position #94-359-SCI)

Direct position inquiries to David Morton, Chair, (301) 689-4355/4166, and employment inquiries to Roberta Chamberlin, Assoc. Dir. of Human Resources, (301)689-4105 (Voice/TDD). Minorities and women are encouraged to apply. Competitive salary. Send letter of interest, vitae, unofficial copy of transcripts, and the names, addresses and phone numbers of three professional references by February 1, 1994 to: FROSTBURG STATE UNIVERSITY, Office of Human Resources, ATTENTION: Position Title (Position #), Frostburg, MD 21532.

AA/EEO

Aprogenex
Genetics - Oncology - Virology - Microbiology

Aprogenex develops and intends to manufacture and market diagnostic test systems based on its proprietary DNA probe technology. This RIGHTtechnology (Rapid Intact Gene Hybridization Technology) utilizes the Company's chemically manufactured probes and proprietary "cocktail" reagent solution which allows analysis of single intact cells at a molecular level.

We are a publicly held company on the cutting edge of new medical diagnostic tests. We are currently conducting clinical trials for a genetic testing diagnostic which separates fetal cells in maternal circulation and further identifies various chromosomes using our fluorescent DNA probes. Other applications for our probes include infectious diseases, viruses and cancer. We have a number of exciting opportunities within our research organization:

Senior Scientist - requires a Ph.D. in Molecular Biology, Biochemistry, Cellular Biology, Microbiology, Virology or Oncology; 5-7+ years of experience in cytogenetics, molecular biology, genetics, immunology or oncology work, specific work involving DNA probes, plus proven experience planning and directing a research program and supervising technicians. Product development experience is preferred.

Research Associate - requires a B.S. or M.S. in the same scientific disciplines described above; 1-3 years of experience with various aspects of recombinant DNA techniques with proven experience in RNA/DNA methodologies and DNA in situ hybridization. Backgrounds in histology and cytology are a plus.

Aprogenex, Inc.*8000 El Rio St.*Houston, TX77054*
Attn: H.R. Manager*Equal opportunity employer

REACHING NEW HORIZONS IN MEDICAL DIAGNOSTIC TECHNOLOGY

MARION MERRELL DOW RESEARCH INSTITUTE
Cincinnati Center

COMPUTATIONAL CHEMISTS

Openings for several computational scientists exist in our Computer Assisted Drug Discovery group. These positions are at the junior and senior Ph.D. levels, although BS/MS level candidates with suitable research experience will also be considered. Successful candidates should possess knowledge and experience in the application of computational and molecular modeling methodologies in conjunction with other disciplines for the design of new drug substances. Candidates with expertise in modeling both small and large molecules are encouraged to apply. Considerable hardware and software (Sybyl, Insight/Discover, Amber, Quanta/Charmm, Explore) are currently in place including complete access to a CRAY supercomputer dedicated to theoretical and structural studies as well as SGI/SUN workstations in the department and in other groups. Ideal candidates should have a dedication to drug discovery and should enjoy working in a collaborative and interactive environment with local and global MMDFI scientists. JOB CODE: COMP CHEM

BIOLoGICAL NMR SPECTROSCOPIST

MMDFI is seeking an NMR spectroscopist knowledgeable and experienced in the application of heteronuclear and multidimensional NMR experiments. A Ph.D. degree with post-doctoral experience is preferred. The successful candidate will join an interdisciplinary group of scientists comprised of NMR spectroscopists, crystallographers, computational chemists and synthetic chemists. The ideal candidate should have a dedication to drug design in collaboration with local and global MMDFI scientists. The Structural Chemistry group is equipped with state-of-the-art spectrometers and computational tools including a CRAY-YMP supercomputer. JOB CODE: STRUC CHEM

Marion Merrell Dow Research Institute is committed to many areas of drug research including immunology, respiratory, oncology, metabolic, ion channel & transporter research, and cerebrovascular & acute neurological disorders. Excellent compensation includes 401(k) and stock options. You will also find an affordable yet cosmopolitan lifestyle in Cincinnati. Please send resume, 2-3 references and salary history to: Marion Merrell Dow Inc., Human Resources Department/Research Staffing, 2110 East Galbraith Road, Cincinnati, Ohio 45215. PLEASE INDICATE THE APPROPRIATE JOB CODE.

An Equal Opportunity Employer
California Institute of Technology
Postdoctoral Fellowships in Earth and Planetary Sciences

The California Institute of Technology announces two fellowships in Earth and Planetary Sciences:

The O.K. Earl Postdoctoral Fellowship, and

The Texaco Postdoctoral Fellowship

These awards are from funds endowed by Orrin K. Earl, Jr., and by the Texaco Petroleum Foundation. Each fellowship carries an annual stipend of $34,000 and offers a research expense fund of $1,000 per year and one-way travel to Pasadena. The duration of each appointment normally will be for two years, contingent upon good progress in the first year, and beginning with the 1994-95 academic year. Fellows are eligible to participate in Caltech's health and dental program.

These fellowships have been established to support the research of scientists, typically within two years of receipt of the Ph.D. The intent of the program is to identify and support innovative and creative work in the earth and planetary sciences, with particular emphasis on interdisciplinary work. Applicants with training in physics, chemistry, biology or computer sciences are urged to apply. The Caltech faculty is currently active in Geobiology, Geochemistry, Geology, Geophysics, Petrology, Seismology and Atmospheric and Planetary Sciences. It is expected that each fellowship holder will be hosted by a Division professor (designated by the Division Chair) who will contribute to the fellowship support both financially and by providing intellectual guidance.

Application forms may be obtained by writing to Prof. D.J. Stevenson, Chairman, Division of Geological and Planetary Sciences, Mail Code 170-15, California Institute of Technology, Pasadena, California 91125.

COMPLETED APPLICATIONS WITH REFERENCES SHOULD ARRIVE AT CALTECH BY MONDAY, FEBRUARY 28, 1994.

Fellowship candidates will automatically be considered for other available postdoctoral positions at Caltech in their fields of interest.

Caltech is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and disabled persons are encouraged to apply.

POSTDOCTORAL POSITIONS
BOSTON UNIVERSITY
COLLEGE OF ENGINEERING
BIOMEDICAL ENGINEERING DEPARTMENT

Several postdoctoral positions are available through the college, department and individual research programs. The College and Departmental positions are scheduled to begin July 1, 1994 and may be with any of the department's full time faculty in the following laboratories and affiliated centers.

Biomechanics Research Lab (Ladin)
Fields and Tissues Lab (Eisenberg)
Hearing Research Labs (Carney, Colburn, Hubbard, Mountain, Voigt)
Intelligent Systems Lab (Vaina)
Molecular Engineering Lab (DeLisi, Vajda)
Respiratory Research Labs (Jackson, Lutchen, Stamenovic)

Biomolecular Engineering Research Center (T. Smith)
Biochemistry Center (Cantor, Frank-Kamenetski, Smith)
NeuroMuscular Research Center (De Luca, Merletti)

Send curriculum vitae and the names and addresses of three references by January 1, 1994, to:

H.F. Voigt, Ph.D., Chairman
Biomedical Engineering
Boston University
College of Engineering
44 Cummings Street
Boston, MA 02215

An Equal Opportunity Employer

FACULTY POSITION IN
MAMMALIAN
MOLECULAR GENETICS

The Department of Biochemistry and Cell Biology, State University of New York at Stony Brook is now focussing its continuing faculty recruitment in the molecular genetics of mammalian development at the junior or senior level. Send curriculum vitae, a summary of research interests, and three letters of recommendation to:

Dr. William Lennez, Chairman, Department of Biochemistry and Cell Biology, State University of New York at Stony Brook, Stony Brook, New York 11794-5915 by March 1, 1994. State University of New York at Stony Brook is an affirmative action/equal opportunity educator and employer.

University of Massachusetts
Boston
POSTDOCTORAL POSITIONS
Molecular Biology

The Molecular Toxicology Group of the Health Sciences Research Division at the Oak Ridge National Laboratory (ORNL) has immediate openings for two molecular biology postdoctoral positions in the following areas: (1) investigation of the hyperphosphorylation of tumor suppressor proteins induced by protein kinase-activating promoters and (2) enhancement of lignin- and cellulose-degrading enzyme production using molecular cloning methods in procaryotic systems. For the tumor suppressor gene project, experience is needed in protein or enzyme biochemistry and radioimmunoassay methods applicable to the study of protein phosphorylation. Also needed is a familiarity with standard cell culture techniques and kinase systems and a knowledge of recombinant gene expression in eucaryotic systems. For the lignin and cellulase project, experience is needed in procaryotic molecular cloning methods (other than in E. coli) and knowledge of standard protein methods to study recombinant products.

ORNL is managed by Martin Marietta Energy Systems, Inc., for the U.S. Department of Energy. For immediate consideration, send your resume to: Craig Dees, Ph.D., Oak Ridge National Laboratory, Dept. SCI-1210, P.O. Box 2008, Oak Ridge, TN 37831-6109. ORNL is an equal opportunity employer committed to building and maintaining a diverse workforce.

NERC CENTRE FOR POPULATION BIOLOGY
Postdoctoral Researchers

Three or four postdoctoral positions are available:
1. A Population Ecologist/Data-Base Analyst is needed for a collaborative project to compile, analyze and publish a comprehensive data-base of existing population time-series, obtained from published and unpublished ecological studies. Experience in population dynamic theory and computer data-bases is essential.
2. A Soil Zoologist or Soil Microbiologist is needed to join a team investigating ecological processes in the Ecotron, a controlled-environment facility. The scientist will investigate the role of soil fauna or microflora/flora in nutrient dynamics, decomposition processes and community assembly.
3. A Population Genetist is needed for theoretical or experimental studies at the interface of population dynamics and population genetics. The ability to create new research links and, for experimentalists, a training in modern molecular techniques are essential.
4. A Population Biologist, with interests in any aspect of population biology or community ecology, is required to expand our team. We seek an outstanding young ecologist with a proven ability to develop and test new theoretical ideas. Applications by CV to Prof J H Lawton, FRS by 31st December 1993.

The College is striving to be an Equal Opportunities employer.
CSEOL invites applications for five graduate fellowships for 1994-95. In addition to support provided fellows by UCLA departments, CSEOL will grant each fellow a stipend of $5,000 per year, for each of the first two years of graduate study, with no teaching or other duties. Stipends may be used for any purpose the Fellow deems appropriate - travel, lodging, attendance at scientific meetings, purchase of books, computers, research equipment - for any purpose, without restriction. Fellows are included in a select group of graduate students invited to interact with Center faculty in a weekly dinner/seminar/discussion series. Applicants should be planning to carry out doctoral research under the direction of a CSEOL faculty member in a subject area relating to virtually any aspect of evolution - of the cosmos, of the solar system, of Earth, of the environment, of life, of humans. Areas of particular interest for 1994-95 include (1) planetary evolution and exobiology; (2) origin and early evolution of life; and (3) biochemical evolution and molecular phylogeny. Faculty are members of the UCLA Departments of Anthropology, Astronomy, Atmospheric Sciences, Biology, Chemistry & Biochemistry, Computer Science, Earth & Space Sciences, Geography, and Microbiology; the School of Medicine; the School of Public Health; the Institute of Geophysics and Planetary Physics; and the Molecular Biology Institute. Fellowship applicants must apply (preferably, by 21 February 1994) both to an appropriate academic department and to CSEOL. For application forms and a list of CSEOL members, contact:

CSEOL Fellows Committee
Geology Building, Room 5687
University of California, Los Angeles
Los Angeles, CA 90024-1567
Telephone: (310) 825-1170
FAX: (310) 825-0997
SangStat Medical Corporation is a biopharmaceutical company developing novel therapeutic and monitoring products to improve the outcome of organ transplantation. To expand our research capabilities, we are looking for highly motivated individuals to fill the following positions:

**Senior Scientists**

**Immunologist/Protein Chemist**
An exceptional opportunity to work on the development of a novel technology for the therapeutic elimination of undesirable cells. This Ph.D. scientist should have experience in immunology, flow cytometry and protein chemistry.

**Immunologist**
We seek a Ph.D. scientist with extensive experience in cellular and molecular immunology to study the mechanism of action of novel immunomodulatory compounds.

**Immunology Specialist**
We offer an energetic environment in the San Francisco Bay Area and an opportunity for research in a rapidly changing field. Competitive salary and benefits. EEO employer. Write or Fax your resume to V.P. of Research at:

1505-B Adams Drive
Menlo Park, CA 94025
Telephone: 415.328.0300
Facsimile: 415.328.8892

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**POSITION ANNOUNCEMENT**

**Head, Department of Veterinary Pathobiology**

The University of Illinois College of Veterinary Medicine at Urbana-Champaign is seeking a distinguished scientist to provide leadership for the Department of Veterinary Pathobiology. Candidates must have an outstanding record of scholarship and research to qualify for the position of Professor with tenure in the Department. Qualifications include a proven record of grantmanship and leadership, a strong commitment to teaching at the professional and/or graduate level, recruitment of graduate students, and strong interprofessional and administrative skills. Aptitude and/or sensitivity to diagnostic medicine is required, as is a record which demonstrates enthusiasm for broad collaboration and interdisciplinary work. Preference will be given to candidates with qualifications including DVM and/or Ph.D. degrees in one of the disciplines represented in the Department. Although the position is largely administrative, the incumbent is expected to teach and conduct research in their area of expertise. Applicants should submit their professional resumes and the names, addresses, and telephone numbers of three referees to Richard Isaacson, Chair, VP Headship Search Advisory Committee, Office of the Dean, University of Illinois, College of Veterinary Medicine, 2001 South Lincoln Avenue, Urbana, IL 61801. Telephone: 217/333-2740; Fax: 217/333-4628. In order to ensure full consideration, applications must be received by February 1, 1994.

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

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**STAFF SCIENTIST**

**THE HEALTH EFFECTS INSTITUTE**

The Health Effects Institute (HEI) has an opening for a Review Staff Scientist to assist the Institute's Health Review Committee in managing its peer-review process, to develop commentaries that put the finding of HEI-sponsored research into scientific and public policy context, and to write critical reviews. Applicants must have: a doctoral degree in biomedical or environmental sciences; postdoctoral research experience; an interest in science management; and excellent writing skills. Experience in respiratory physiology, toxicology, or carcinogenesis is particularly desirable. Send curriculum vitae, a recent writing sample, and the names, addresses and telephone numbers of three references to: Dr. Kathleen M. Hauss, Director for Scientific Review and Evaluation, Health Effects Institute, 141 Portland Street, Cambridge, MA 02139. An Affirmative Action/Equal Opportunity Employer.

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**Department of Genetics**

**Center for Human Genetics**

Case Western Reserve University

School of Medicine

The Department of Genetics invites applications for several tenure-track positions at the Assistant Professor or Associate Professor rank as part of its continuing expansion. Applicants should have demonstrated expertise and productivity in human genetics, with ability to develop a strong, independent research program. Existing laboratories in the department focus on the genetics of Drosophila, C. elegans, mouse, and humans. Areas of concentration are in developmental genetics, chromosome structure and function, genome organization and mapping, and the genetics of inherited disease. Expansion of the department, which began in 1992, is supported by significant new resources, including 40,000 square feet of state-of-the-art research space in a new Biomedical Research Building, with generous equipment and start-up funds provided by the Markley Center for Developmental Genetics and by the Center for Human Genetics. Clinical genetics activities are coordinated through the Center for Human Genetics (Dr. S. Cassiday, Clinical Director) and joint appointment in an appropriate clinical department is possible. The Department of Genetics participates in the multidisciplinary Biomedical Sciences Training Program for Ph.D. students. Candidates are expected to participate in the teaching of medical and graduate students. Strong interdepartmental interactions at Case Western Reserve University School of Medicine and University Hospitals of Cleveland are encouraged and provide for an unusually supportive research environment and opportunity for achievement in human genetics. Applicants should send curriculum vitae, description of research plans, and names of three references (with contact numbers) to Dr. Huntington F. Willard, Chairman, Department of Genetics, Case Western Reserve University School of Medicine, Cleveland, OH 44106-4955.

Case Western Reserve University is an Equal Opportunity/Affirmative Action employer.
NEUROMUSCULAR DISEASE GENETICS: ASSOCIATE RESEARCH SCIENTIST position available for an expert molecular geneticist (M.D. preferred) to conduct studies on the molecular basis of human hereditary disorders of muscle glycogen metabolism, beginning January 1, 1994. Address inquiries to Dr. Salvatore DiMauro, Department of Neurology, Columbia University College of Physicians and Surgeons, 630 West 168th Street, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF LAUSANNE: CENTRE PLURIDISCIPLINAIRE D'ONCOLOGIE

In the setting of a high-dose chemotherapy program under protection of peripheral blood progenitor cells, a clinical investigator group is seeking to hire a Ph.D. with the aim of developing a lab associated with the project. Expertise in cell marrow culture absolutely required. Opportunities to have a collaboration with a gene therapy unit. Send curriculum vitae with the names and addresses of 3 references. For further information interested candidates may contact: S. Leyvraz, M.D., Centre pluridisciplinaire d'Oncologie, Niv 10, CHUV, 1011 LAUSANNE, SWITZERLAND. Telephone: 41 21 314 4666. Fax: 41 21 314 3957.

CLINICAL MOLECULAR GENETICIST—Responsible for directing the Molecular Genetics Research Program in an active and growing Pediatric research laboratory at Carolinas Medical Center in Charlotte, North Carolina. Will work with Clinical Genetics faculty to develop genetics research projects and clinical molecular laboratory testing, and will assist other Department of Pediatrics faculty in research projects where appropriate. Must have Ph.D. with clinical molecular genetics laboratory training and experience, and be eligible for certification in Molecular Genetics by the ABMG. Carolinas is a tertiary care teaching hospital complex, and the Clinical Genetics Center is an active and growing program with a wide range of genetics services. Contact: Pam Buettnerre, Allied Health Initiat, Carolinas Medical Center, P.O. Box 32861, Charlotte, NC 28232-2861 or call 704-942-6898 or (704) 355-2101. Equal Opportunity Employer.

RESEARCH ORGANIC POLYMER CHEMIST: $37,000 per year; 40 hours per week; 8:00 a.m. to 5:00 p.m. Monday thru Friday; Conducts research, analysis, multi-step synthesis, on substances (monomers and polymers) for such purposes as product and process development; prepares standards and specifications for processes, for manufacturing of monomers and polymer products, facilities, products, or tests; requires Ph.D. in Polymer Chemistry and must be familiar with using scientific technology network (STN) data base system; submit resume or curriculum vitae to: Philadelphia Job Bank, 444 North Third Street, Third Floor, Philadelphia, PA 19123; Job Order Number 4541892.

ANNOUNCEMENTS

CAREER CHANGE OPPORTUNITY

This unique program offers the candidate with an earned doctorate in the sciences the opportunity to obtain the Doctor of Optometry (O.D.) degree in two calendar years. Employment opportunities exist in private practice, industry, education, and research. Contact: Dr. D. Chauncey, Program Director, Accelerated Program, The New England College of Optometry, Room S, 424 Beacon Street, Boston, MA 02115.

NASA PLANETARY BIOLOGY INTERNSHIPS. The Marine Biological Laboratory, Woods Hole, Massachusetts, invites applications from graduate students and seniors accepted to graduate programs for awards of $2200 plus travel to participate in research at NASA centers and collaborating institutions for approximately 8 weeks. Typical intern programs include: global ecology, remote sensing, microbial ecology, biomineralization, and origin and early evolution of life. Application deadline: March 15, 1994. For information/applications, contact: Lorraine Olendzenski, Planetary Biology Internship, Department of Biology, University of Massachusetts, Amherst, MA 01003-5810. Email: PBI@botany.umass.edu. An Equal Opportunity/Affirmative Action Institution.
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