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POSITIONS OPEN

CASE WESTERN RESERVE UNIVERSITY
MOLECULAR/CELL BIOLOGIST

A newly created section of Gastroenterology Research seeks a tenure-track at the ASSISTANT or ASSOCIATE PROFESSOR level. Positions are targeted for basic investigation in an exciting new program focused on intestinal inflammation. Successful candidates will interact with a well-trained program in intestinal immunity. Special consideration will be given to individuals with interest in apoptosis, cell activation/interaction, and the biology of endothelial or mesenchymal cells. Offer includes ample laboratory space in a brand-new research building, equipment, supplies, and salary negotiable depending on qualifications. All individuals should send curriculum vitae and correspondence to: Dr. Claudio Fiocchi, Head of Research, Division of Gastroenterology, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4952. The University is an Equal Opportunity/Affirmative Action Employer.

The Department of Microbiology and Molecular Genetics at the University of Texas Houston Medical School invites applications at the ASSISTANT PROFESSOR level to fill a tenure-track faculty position. We are especially interested in candidates whose focus of research is directed towards genetic and biochemical approaches to the study of eukaryotic microorganisms, e.g., fungi, algae, protistan. The gene expression, sensory transduction pathways, nuclear-cytosolic interactions, development and macromolecular structure-function relationships represent areas of interest to the Department. Candidates are expected to have the Ph.D. and/or M.D. degree, and postdoctoral research experience. Emphasis will be placed on the ability of the candidate to develop a strong, highly visible, independent and nationally competitive research program. Successful applicants will be expected to teach medical students and graduate students. The University of Texas Houston Medical School, P.O. Box 20708, Houston, TX 77225. For full consideration please respond by December 1, 1994.

The University of Texas Houston Health Science Center is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

The Department of Physiology of the Ponce School of Medicine announces an immediately open for applicants with an interest in cardiovascular physiology. It is preferred to fill the position at the INSTRUCTOR ASSISTANT PROFESSOR level. A Ph.D. is required. Applicants must also have a strong commitment to assist in the teaching of basic and advanced graduate courses. Curriculum vitae, statement of teaching and research interests, and the names of three references should be sent to: Ms. L. Cashman, Department of Physiology, Ponce School of Medicine, P.O. Box 7004, Ponce, Puerto Rico 00732. Ponce School of Medicine is an Equal Opportunity Employer.

BIOPHYSICS AND MOLECULAR BIOLOGY UNIVERSITY
FACULTY POSITION

The Physics Department at the University of Oregon has an opening at the ASSISTANT PROFESSOR level for an individual working in the area of biophysics. The successful candidate will be expected to teach physics and biophysics at the undergraduate and graduate levels and to conduct a vigorous research program. This is a tenure-track appointment with expected starting date during the 1995-96 academic year. Applications are encouraged from individuals whose research interests will complement existing programs in the Department of Physics, the Institute of Molecular Biology or the Institute of Neuroscience.

Candidates should send a curriculum vitae, a statement of research interests, and the names and addresses of three referees who are familiar with their work. They should arrange for letters of reference to be forwarded directly by the referees. These letters and a letter of application should be sent to: Professor W. Mark, Search Committee, Institute of Molecular Biology, 1229 University of Oregon, Eugene, OR 97403. To guarantee full consideration, applications should be received by December 1, 1994. The University of Oregon is an Equal Opportunity/Affirmative Action/ADA Institution committed to cultural diversity.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Biology

Applications are sought for a tenure-track faculty position at the level of ASSISTANT PROFESSOR in the areas of cellular, molecular and genetic approaches to nervous system function and development. Applicants should have significant research accomplishments, the ability to establish and maintain a vigorous research program and a commitment to excellence in education at the undergraduate and graduate levels.

Applications should provide curriculum vitae, a summary of research accomplishments and proposed research, and copies of publications or preprints. Applications should be addressed to: Neurobiology Search Committee, Massachusetts Institute of Technology, 77 Massachusetts Avenue Building 68-132 Cambridge, MA 02139. MIT is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

MOLAR GENETICIS

The Department of Biology at Occidental College invites applications for a tenure-track ASSISTANT PROFESSOR position in Molecular Genetics. Applicants should have a Ph.D. and be interested in the undergraduate level and to research. The successful candidate will normally teach courses in genetics and biochemistry and is expected to develop a rigorous research program involving undergraduates. The exact area of research is open. The new faculty member may choose to participate in the interdisciplinary Biochemistry major. Occidental College is a close-knit, liberal arts college with excellent research and teaching facilities, located in Los Angeles. Send curriculum vitae, statement of research and teaching interests, names and future publications, and arrange to have three letters of reference sent by December 1, 1994, to: Search Committee, Department of Biology, Occidental College, 1600 Campus Road, Los Angeles, CA 90041. Occidental College is an Equal Opportunity/Affirmative Action Employer. Women and people of color are encouraged to apply.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY, University of Maryland at College Park invites applications for a tenure-track faculty position in BIOCHEMISTRY. Candidates at all levels will be considered, and applications at the ASSOCIATE or FULL PROFESSOR level are especially encouraged. Research areas of particular interest include, but are not limited to: protein folding and design, structure-function relations pertaining to signal transduction, gene expression, immunology, cell-cell interactions, etc., and protein secretion. Candidates will also have the opportunity to participate in the campus-wide Program in Molecular and Cellular Biology. Send a brief description of research plans, and arrange for three letters of reference to be sent to: Prof. Douglas A. Janin, Biochemistry and Research Committee, Chemistry and Biochemistry, University of Maryland, College Park, MD 20742-2021. Applications begin on November 1, 1994, but new applications will be considered until the position is filled. University of Maryland at College Park encourages applications from women and members of minority groups and is an Equal Opportunity/Affirmative Action Employer.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY

The Department of Chemistry and Biochemistry at the University of Oregon invites applications for a tenure-track faculty position at the level of ASSOCIATE PROFESSOR. Applicants must have a M.D. or Ph.D. degree and five years of postdoctoral experience. The applicant’s research should complement ongoing research in the Department. Areas of interest include neurotoxicology and immunology. The appointee will be expected to establish a strong research program supported by extramural funds and to participate in the teaching of graduate and medical students. Applications should include a curriculum vitae, a list of publications, selected reprints, a brief description of current and future research plans, and the names of three referees. Send applications to: Adrian J. Dunn, Ph.D., Department of Pharmacology, LSBMC, P.O. Box 33932, Shreveport, LA 71130-3932. An Equal Opportunity/Affirmative Action Employer.
POSITIONS OPEN

ASSISTANT PROFESSOR. The Department of Physiology invites applications for one assistant professor position (tenure-track). Ph.D. degree or equivalent with three years training. Candidate should plan to develop an independent research program in cellular, molecular or biophysical aspects of signal transduction systems and membrane function, preferably supported by a start-up fund. Applications are especially encouraged from women and members of under-represented minority groups. Applications should contain curriculum vitae, a brief statement of research interests, current positions and goals of the candidate, and three letters of reference. Send letter of application and curriculum vitae to: James F. Stull, Ph.D., Department of Physiology, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, Texas 75390-9040. An Equal Opportunity/Equal Employment Employer.

ASSISTANT PROFESSOR/PHYSIOLOGY

St. Norbert College announces the reopening of a TENURE-TRACK POSITION to begin January 1995 or August 1995. Ph.D. required. Candidate is expected to teach courses in Animal Physiology, Developmental Biology, and related courses. All faculty in General Biology. Research program involving undergraduates is expected. The position provides the opportunity to develop an independent research program. The search committee will screen applications November 15, 1994. Send curriculum vitae and three letters of reference to: James E. Grimes, Chairman, Department of Biology, St. Norbert College, DePere, WI 54115. Applications will be considered until the position is filled.

POSITIONS OPEN

ORGANIC CHEMIST—The Chemistry Department of Wesleyan University invites applications for a tenure-track position in organic chemistry at the ASSISTANT PROFESSOR level beginning fall 1995. Although all areas of research will be considered, preference will be given to candidates who will complement the research interests of the faculty. The successful candidate will be expected to develop an active research program, in both teaching (undergraduate and graduate level) and research in a well-equipped department with an active Ph.D. program (approximately 12 full-time faculty, and 80 graduate students). Applications are especially encouraged from women and members of under-represented minority groups. Applications should contain curriculum vitae, a brief description of research plans, and three letters of reference. Send letter of application to: Nicholas A. Pecora, Chair, Department of Chemistry, Wesleyan University, Middletown, CT 06459. An Equal Opportunity/Equal Employment Employer.

MICROBIOLOGY

The Department of Biological Sciences at Western Michigan University invites applications for a tenure-track ASSISTANT PROFESSOR position in microbiology beginning fall of 1995, pending budgetary approval. Ph.D. degree and experience in microorganism and/or molecular microbiology and expertise in bacterial molecular genetics. The department is currently engaged in research on signal transduction, microbial pathogenesis, host-microbial interactions and bioremediation. Applicants should include a brief statement of research interests and goals of the candidate, and three letters of reference. Applications should be sent to: James Eisen, Chair, Department of Biological Sciences, Western Michigan University, Kalamazoo, MI 49008-3899. Applications are especially encouraged from women and members of under-represented minority groups. Applications will be considered until the position is filled.

MICROBIOLOGY

The Department of Biological Sciences at Western Michigan University invites applications for a tenure-track ASSISTANT PROFESSOR position in microbiology beginning fall of 1995, pending budgetary approval. Ph.D. degree and experience in microorganism and/or molecular microbiology and expertise in bacterial molecular genetics. The department is currently engaged in research on signal transduction, microbial pathogenesis, host-microbial interactions and bioremediation. Applicants should include a brief statement of research interests and goals of the candidate, and three letters of reference. Applications should be sent to: James Eisen, Chair, Department of Biological Sciences, Western Michigan University, Kalamazoo, MI 49008-3899. Applications are especially encouraged from women and members of under-represented minority groups. Applications will be considered until the position is filled.

SCIENCE COORDINATOR

American Museum of Natural History

Assistant Professor

The Department of Biology seeks an experienced coordinator of the exhibition program at the American Museum of Natural History. The successful applicant must hold a Ph.D. in the life sciences and have experience in exhibition development, coordinating large projects, and supervising staff. Applicants should submit a letter of application, curriculum vitae, transcripts, and three letters of reference. The letter of application should include a statement of goals and a plan for organizing the exhibition program. A position will be available in the fall of 1995. Send letter of application and curriculum vitae to: Dr. R. John Reeder, Vice President for Research, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024-5192. An Equal Opportunity Employer.

POSITIONS OPEN

CORNELL UNIVERSITY SECTION OF NEUROBIOLOGY AND BEHAVIOR

MOLECULAR NEUROBIOLOGIST

The Section of Neurobiology and Behavior, Division of Biological Sciences, Cornell University invites applications and nominations for a tenure-track position in molecular neurobiology at the ASSISTANT PROFESSOR or beginning ASSOCIATE PROFESSOR level, available July 1995. We seek a molecular neurobiologist who employs a combination of techniques to study mechanisms of signal transduction in the nervous system. Possible research interests include molecule identification and characterization, subcellular localization, function studies of channels and receptors, second messenger pathways, and other functional aspects of synaptic transmission and its modulation.

Applications should include a curriculum vitae, selected reprints or preprints, and statements of research and teaching interests, and arrange to have three letters of recommendation sent to: Search Committee, Section of Neurobiology and Behavior, Cornell University, Seeley G. Mudd Hall, Ithaca, NY 14853. The Search Committee will begin screening applications January 16, 1995. Cornell University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are urged to apply.

BIOCHEMICAL ENGINEER/FERMENTATION SCIENTIST—REOPENED

Applicants sought: ASSISTANT PROFESSOR tenure-track position, conducting research in fermentation engineering and/or fermentation science, establish basic research program, teach in enology/biochemical engineering. Must have a Ph.D. in Chemical Engineering. Applicants are encouraged to submit a curriculum vitae, publication list/reprints, teaching/research interest statements, graduate transcripts, name/address of three references to: Roger Boulton, Search Committee, Viticulture and Oenology, University of California, Davis, CA 95616-8749. Telephone: 916-752-0900 or 752-1717. Open until filled. Review of applications will begin January 2, 1995. FAX application unacceptable. The University of California is an Equal Opportunity/Affirmative Action Employer.

INORGANIC CHEMISTRY FACULTY POSITION—Virginia University. The Department of Chemistry invites applications for a tenure-track position at the rank of ASSISTANT PROFESSOR in any area of inorganic chemistry including bioinorganic, to start in the fall semester 1995. Candidates in any area of inorganic chemistry may also be considered. Applicants should have a strong commitment to teaching and will be expected to develop a vigorous research program. The position is highly desirable. Applicants should submit a complete resume, a summary of proposed research, and arrange for three letters of recommendation to be sent to: Professor Russell N. Chaudhuri, Chairman, Department of Chemistry, University of Virginia, Charlottesville, VA 22901. The University of Virginia is an Equal Opportunity/Affirmative Action employer.

NEUROBIOLOGY

The Department of Biological Sciences at Western Michigan University seeks applications for a tenure-track ASSISTANT PROFESSOR position with expertise in cellular or molecular aspects of Neurobiology beginning fall 1995, pending budgetary approval. A Ph.D. in a related field is required as well as postdoctoral training in neurobiology. The development of externally funded research is expected. Preference will be given to candidates with research interests in developing neurobiology, neurotoxicology or signal transduction and related teaching experience. Teaching responsibilities will include an undergraduate course in human anatomy/physiology for non-biology majors and graduate/level courses in areas of expertise. None of the above. Send letter of application, curriculum vitae, statement of research plans, and three letters of reference to: Joseph H. Doyle, Chair, Department of Biological Sciences, Western Michigan University, Kalamazoo, MI 49008-3899. FAX: 616-387-2849; Internet: leonard.ginsberg@wmich.edu. Review of applications will begin December 1, 1994, and applications will be accepted until the position is filled.
Howard Hughes Medical Institute

Predoctoral Fellowships in Biological Sciences

1995 Competition
80 Fellowships will be awarded by the Howard Hughes Medical Institute for study toward a Ph.D. or Sc.D. degree in the biological sciences listed below. Awards, based on an international competition, focus on research directed to understanding basic biological processes and disease mechanisms. Fellowships may be held at any academic or research institution with appropriate degree programs.

Fellowship Terms
- Full-time study toward the Ph.D. or Sc.D.
- Up to five years of support possible
- $14,500 annual stipend
- $14,000 annual cost-of-education allowance

Fields of Study
- Eligible fields:
  - biochemistry
genetics
pharmacology
biophysics
immunology
physiology
biostatistics
mathematical biology
structural biology
cell biology
microbiology
virology
developmental biology
molecular biology
neuroscience
epidemiology

Eligibility
- Beginning graduate study (prior study toward an M.P.H. or a medical degree does not rule out eligibility)
  - college seniors
  - first year graduate students
  - medical students and physicians (M.D., D.O., D.D.S., or D.V.M.) not past the first year of a Ph.D. or Sc.D. degree program
- Not in a funded M.D./Ph.D. program
- No citizenship requirements: U.S. citizens may study abroad, but others must study in the United States

Schedule
Application deadline: November 4, 1994
Awards announced: early April 1995
Fellowships start: June 1995-January 1996

1995 Program Announcements, Eligibility Guidelines, and Applications
Hughes Fellowship Program
The Fellowship Office
National Research Council
2101 Constitution Avenue
Washington, DC 20418, United States of America
Telephone (202) 334-2872
Fax: (202) 334-3419
E-mail: infofell@nas.edu

The Howard Hughes Medical Institute, an Equal Opportunity Employer, welcomes applications from all qualified candidates and encourages women and members of minority groups to apply.
The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

The Department of Chemistry at the University of Virginia is seeking an outstanding individual for a position in ORGANIC CHEMISTRY. This appointment is expected to be made at the (tenure-track) ASSISTANT PROFESSOR level. All areas of organic chemistry will be considered. Candidates with a commitment to excellence in research and in teaching are encouraged to apply. A curriculum vitae containing a list of publications, a concise outline of research plans, and a statement of teaching interests is required. The position will begin July 1, 1995.

Applications for this position will be reviewed until the position is filled. Successful candidates will be expected to have a Ph.D. in organic chemistry and the ability to establish an externally funded research program. Preference will be given to candidates who are prepared to teach undergraduate organic and medicinal chemistry. They should be committed to excellence in teaching and research interests, all college transcripts, and names of three references to: Dr. Robert E. Kribel, Dean, School of Natural Sciences and Mathematics, MSA State College, R.D. Box 26467, Grand Junction, CO 81502. Deadline January 17, 1995. MSA State College is an Affirmative Action/Equal Opportunity Employer. MSA State College encourages minority candidates to apply.

ASSISTANT PROFESSOR MOLYBDOGEN AND GENETICS

The Department of Molecular Biology and Genetics at The Johns Hopkins University School of Medicine has a position available at the ASSISTANT PROFESSOR level. Candidates of exceptional promise in the general research area of molecular biology and in teaching are invited to apply by submitting a curriculum vitae, a brief statement of future research plans and three letters of reference by December 1, 1994, to: Dr. Ronald R. Reed Search Committee Department of Molecular Biology and Genetics The Johns Hopkins University School of Medicine 800 North Wolfe Street Baltimore, MD 21205 The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

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Applications for this position will be reviewed until the position is filled. Successful candidates will be expected to have a Ph.D. in organic chemistry and the ability to establish an externally funded research program. Preference will be given to candidates who are prepared to teach undergraduate organic and medicinal chemistry. They should be committed to excellence in teaching and research interests, all college transcripts, and names of three references to: Dr. Robert E. Kribel, Dean, School of Natural Sciences and Mathematics, MSA State College, R.D. Box 26467, Grand Junction, CO 81502. Deadline January 17, 1995. MSA State College is an Affirmative Action/Equal Opportunity Employer. MSA State College encourages minority candidates to apply.

**.POSITIONS OPEN**

**ASSISTANT PROFESSOR**

**MOLECULAR BIOLOGY AND GENETICS**

The Department of Molecular Biology and Genetics at The Johns Hopkins University School of Medicine has a position available at the ASSISTANT PROFESSOR level. Candidates of exceptional promise in the general research area of molecular biology and in teaching are invited to apply by submitting a curriculum vitae, a brief statement of future research plans and three letters of reference by December 1, 1994, to: Dr. Ronald R. Reed Search Committee Department of Molecular Biology and Genetics The Johns Hopkins University School of Medicine 800 North Wolfe Street Baltimore, MD 21205 The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

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Applications for this position will be reviewed until the position is filled. Successful candidates will be expected to have a Ph.D. in organic chemistry and the ability to establish an externally funded research program. Preference will be given to candidates who are prepared to teach undergraduate organic and medicinal chemistry. They should be committed to excellence in teaching and research interests, all college transcripts, and names of three references to: Dr. Robert E. Kribel, Dean, School of Natural Sciences and Mathematics, MSA State College, R.D. Box 26467, Grand Junction, CO 81502. Deadline January 17, 1995. MSA State College is an Affirmative Action/Equal Opportunity Employer. MSA State College encourages minority candidates to apply.

**CELL/DEVELOPMENTAL BIOLOGIST UNIVERSITY OF TORONTO**

The Department of Zoology, University of Toronto invites applications for a tenure-track position at the ASSISTANT PROFESSOR level to begin July 1, 1995. We are particularly interested in applicants using molecular and genetic approaches to cell and developmental problems. The Department of Zoology has traditional strengths in Cell/Biochemistry, Biology, Environmental, Ecology, and Animal Physiology, which provide a stimulus for interdisciplinary interactions. The successful applicant will be expected to develop a research program and to teach at the undergraduate and graduate levels. Applicants with a Ph.D. and postdoctoral experience will be given preference.

Applications and a one-page statement of future research plans, and arrange for three letters of reference to be sent to: Chair, Cell/Developmental Biology Search Committee, Department of Zoology, University of Toronto, Toronto, Ontario M5S 1A1, Canada. Applications will be considered beginning December 1, 1994. In accordance with its employment equity policy, the University encourages applications from qualified women or members of visible minorities, aboriginal peoples and persons with disabilities.

**ASSISTANT/ASSOCIATE PROFESSOR VIROLOGY**

The University of Michigan Department of Epidemiology invites applications for a tenure-track position at the ASSISTANT/ASSOCIATE PROFESSOR level with research expertise in molecular pathogenesis and/or immunology. All areas of virology will be considered. Successful candidates will be expected to develop innovative research programs. The University of Michigan is an Equal Opportunity/Affirmative Action employer.

**EMORY UNIVERSITY, MATERIALS CHEMISTRY FACULTY POSITION**

The Department of Chemistry invites applications from materials chemists for an ASSISTANT PROFESSOR position (entry level to advanced) as a tenure-track position beginning Fall 1995. Candidates with all areas of materials chemistry will be considered, preference will be given to applicants whose research interests complement the strengths of the department. The individual selected for this position will be expected to establish outstanding research and teaching programs. A Ph.D. in chemistry is required. Candidates should send a curriculum vitae, a proposed research program, and arrange to have three letters of recommendation sent to: Chairman, Faculty Recruiting Committee, Department of Chemistry, Emory University, Atlanta, GA 30322. Applications received by November 1, 1994, will be evaluated first. All applications should be received by January 1, 1995. Emory University is an Equal Opportunity/Affirmative Action Employer.

**DEPARTMENT OF MEDICINE UNIVERSITY OF ALABAMA AT BIRMINGHAM**

**FACULTY POSITION IN PARASITIC DISEASES**

The Division of Geographic Medicine at the Department of Medicine at the University of Alabama at Birmingham (UAB) invites applications for a tenure-track faculty position. While a recruitment at the ASSISTANT PROFESSOR level is planned, rank will be commensurate with experience. Candidates should hold a doctoral degree (M.D. or Ph.D.), and have demonstrated research experience in the study of parasitic diseases. Although all applicants will be considered, the Division is particularly interested in the development of protective immunity and immunopathology. Interests of the current faculty include immunology, microbial and molecular biology, chemokines, biochemistry and vaccine development in onchocerciasis, onchocerciasis, mitochondrial development and mechanisms of drug resistance in malaria and Trypanosoma gambi, ribosomal gene expression and oligosaccharide biosynthesis in malaria, and infectious disease epidemiology (including parasitic diseases, HIV/AIDS, and human papillomavirus). The Division is housed within the UAB School of Public Health and with key laboratories in the medical center working on protozoal enzymology, trypanosomes, malaria, drug development and community disease surveillance, and vaccine/immunology, and HIV/AIDS. By December 16, 1994, interested persons should send a curriculum vitae and a brief statement of research interests to: Thomas R. Unnase, Search Committee Chair, Division of Geographic Medicine (BBB 206), University of Alabama at Birmingham, Birmingham, AL 35294-2170. UAB is an Affirmative Action/Equal Opportunity Employer.
The Comprehensive Cancer Center-Arthur G. James Cancer Hospital and Research Institute at The Ohio State University seeks a cancer genetics researcher of international stature to direct a new program in human cancer genetics. The successful candidate will have responsibility for developing a comprehensive research program involving both basic and clinical scientists. Resources will be made available to recruit five additional senior level investigators as well as for continuing director's discretionary funds, space, equipment acquisition, and support for pre- and post-doctoral students and research assistants. Please forward letter of nomination or application, including a curriculum vitae, to:

David E. Schuller, M.D., Chair
Human Cancer Genetics Search Committee
Comprehensive Cancer Center
Arthur G. James Cancer Hospital and Research Institute
300 West Tenth Avenue, Suite 519
Columbus, Ohio 43210
ASSISTANT PROFESSOR DEPARTMENT OF BIOCHEMISTRY AND PHARMACOLOGY UNIVERSITY OF LOUISVILLE SCHOOL OF MEDICINE

Candidates for ASSISTANT PROFESSOR (tenure-track) must hold a Ph.D. or equivalent degree, have at least two years of research and teaching experience, and be capable in research and teaching. Individuals working in the areas of polymorphisms in drug-metabolizing or detoxifying enzymes, repair capacity, predisposition to specific environmentally related diseases, or alterations of oncogenes and/or tumor suppressor genes are encouraged to apply. The successful candidate will be expected to develop and maintain an independently funded research program and to participate in the training of medical, dental, and graduate students. Interested individuals should submit a curriculum vitae, list of four persons familiar with the candidate’s qualifications, and a brief statement of research interests to: Search Committee, Department of Biochemistry, University of Louisville School of Medicine, Health Sciences Center, Louisville, KY 40292. Applications will be accepted until June 1, 1994, or until a suitable candidate is identified. The University of Louisville is an Affirmative Action/Equal Opportunity Employer.

MOLECULAR CELL BIOLOGIST WEST VIRGINIA UNIVERSITY

The Department of Biology at West Virginia University invites applications and nominations for a tenure-track position at the beginning level. ASSISTANT PROFESSOR (Ph.D. or equivalent degree) position available August 16, 1995. A Ph.D., teaching experience, and a minimum of two years of postdoctoral training are required. We are particularly interested in individuals with research interests in contemporary problems in Cellular and Molecular Biology, with specialization in simple eukaryotic developmental biology. The successful applicant will be expected to teach both undergraduate and graduate students, and to establish a strong externally funded research program. Please submit curriculum vitae, a brief description of current and future research agenda, and the names and telephone numbers of four individuals who are willing to provide letters of evaluation to: Biology Search Committee, P.O. Box 4695, Biology Department, West Virginia University, Morgantown, WV 26506. Review of applications will begin December 1, 1994. The Department of Biology at West Virginia University is an Equal Opportunity/Affirmative Action Employer.

The Microbiology Department of The University of Texas at Austin is offering a position at the beginning level. ASSISTANT PROFESSOR (Ph.D. or equivalent degree) position available August 16, 1995. Preference will be given to individuals who have demonstrated teaching and research potential. The successful candidate is expected to be capable of independent or group research and to contribute to teaching in the area of molecular microbiology. Applications should include a complete curriculum vitae, a brief statement of research plans, and reprints of three publications. Please submit the above information to: Dr. David L. Sattenspiel, Microbiology Department, The University of Texas at Austin, Austin, TX 78712-1095. The University of Texas is an Equal Opportunity/Affirmative Action Employer.

BIOLOGY, ASSISTANT PROFESSOR. The Department of Biology at Duke University invites applications for a tenure-track position starting August 1995. The successful candidate will be expected to have completed an earned doctorate at the time of appointment. Primary research interests will include immunology, hematology, introductory biology for non-majors and occasionally microbiology. College-level teaching experience is required. Scholarly activity will be required in the area of the candidate’s specialty. Applicants should send curriculum vitae, copies of transcripts (both graduate and undergraduate), a statement of teaching philosophy, and the names, addresses and telephone numbers of three references to: Dr. David S. Long, Chair, of the Search Committee, Department of Biology, Duke University, Box 90168, Durham, NC 27708-0168. Women and minority candidates are encouraged to apply.

ADMINISTRATOR CENTER FOR ADVANCED STUDIES IN THE SPARCE SCIENCES MARINE BIOLOGICAL LABORATORY

A life science planning and study center is being established under sponsorship of the National Aeronautics and Space Administration (NASA). The Center will review and provide studies on a variety of life science areas, with special attention on how gravity and its control impact on biological processes, and how to use variations in gravity as a probe to better understand biology. The Marine Biological Laboratory staff will coordinate activities working with the Director/CEO of the Marine Biological Laboratory and in cooperation with NASA. The Administrator will organize and coordinate meetings, oversee production of the Center’s newsletter, electronic and other publications, and establish linkages to the life science community. Requirements: A Ph.D., or equivalent experience in the life sciences, including research in biology or medicine. Administrative experience a plus. Review of candidates will begin November 1, 1994. Please send applications or nominations, including curriculum vitae and names of at least three references to: Chair, Advanced Studies Search Committee, Marine Biological Laboratory, Woods Hole, MA 02545 (Email: resume@mbl.edu)

An Equal Opportunity/Affirmative Action/Non-smoking workplace.

PROGRAM ADMINISTRATOR for scientific society in Philadelphia. The position entails implementation of programs, services, and committee support. Seven to ten years of relevant work experience required. Biomedical research and/or association management experience preferred. Position requires excellent writing skills, versatility, and computer literacy. Graduate degree desired. Send letter applying, resume, writing sample, and desired salary to: P.O. Box 40138, Philadelphia, PA 19106.

PROFESSOR Duke University Medical Center

The Department of Molecular Cancer Biology, Duke Comprehensive Cancer Center, invites applications for a position at the rank of PROFESSOR. Research within the Department is focused on the genes and biochemical pathways that regulate cell growth and the molecular analysis of the distribution of such controls in cancer cells. Investigators working at the molecular level on signal transduction, oncogenes/anti-oncogenes, angiogenesis, metastasis and apoptosis are especially encouraged to apply. Applicant must have a distinguished record of accomplishment and be internationally recognized as a leader in the field. Applicants should send a letter expressing interest, curriculum vitae, grant support and list of publications. A brief description of present and future research plans should be included. Initial review of applications will begin in October 1994. Women and minority candidates are strongly encouraged to apply.

RESEARCH DIRECTOR/RESEARCH ASSOCIATES—The American Council on Science and Health (ACSH) invites applicants with a M.S. or Ph.D. in public health, epidemiology, nutrition, food science, environmental science or toxicology for administrative and research positions. ACSH is committed to providing the media and consumers with balanced, scientifically based evaluations of public health related scientific writings and communication skills a must. Send resume to: ACSH, 1995 Broadway, 2nd Floor, New York, NY 10023. FAX: 212-362-4919.

CHIEF OF RHEUMATOLOGY—The Department of Medicine, University of California, San Francisco (UCSF) seeks applicants for the position of Chief, Division of Rheumatology, at the San Francisco General Hospital. Appointment will be as Associate Professor or Professor of Medicine, UCSF. The Chief of Rheumatology is Director of the Arthritis Research Laboratories at San Francisco General Hospital. The position requires exceptional accomplishment and promise in basic or clinical research as well as a clinical rheumatologist and educator. Send curriculum vitae to: Joan E. Ernst, M.D., Chair, Search Committee, UCSF Box 0868, San Francisco, CA 94143-0868. Women and minority candidates are encouraged to apply.

NEUROSCIENCE CENTER DIRECTOR THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT DALLAS

The University of Texas Southwestern Medical Center invites applications and nominations for the position of DIRECTOR of the Neuroscience Center. Applicants should have an outstanding record of research accomplishment in neuroscience and academic leadership. The Director will have the opportunity to expand the Center from its current size of seven core faculty members to about twice this number, and 18,500 square feet of new space will be available for such expansion. The Director will be responsible for both intellectual leadership and guidance both to the Center and within the larger neuroscience community on the campus, including the Neurosciences Program. Graduate student and postdoctoral support for the Center is composed of both state-funded faculty salaries and substantial endowment funds. Applications should be submitted in writing to: The University of Texas Southwestern Medical Center, 5333 Harry Hines Boulevard, Dallas, TX 75235-9041. The University of Texas Southwestern Medical Center is an Equal Opportunity/Affirmative Action Employer.
Applications are invited for up to 50 Warwick Research Fellowships. These Fellowships will support outstanding individuals for six years.

It is expected that Fellows will be offered permanent academic appointments at the University at the end of their Fellowship period, at the level of Lecturer, Senior Lecturer, Reader or Professor.

The primary emphasis will be on research and each Fellow will be expected to establish an international reputation.

To equip themselves for the longer-term, Fellows will also be required to undertake a strictly limited amount of teaching.

To qualify for a Fellowship, candidates will have begun to establish their academic careers, having completed a doctorate and probably having several years of further research experience. They may already hold an academic appointment. The essential requirement will be to demonstrate a level of achievement in research/scholarship that is outstanding.

The salary offered will be on the Lecturer Scale, depending on age and experience.

Fellowships will be available in the departments listed. Subject areas of particular interest are indicated, but outstanding candidates in other areas are also encouraged to apply:

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<th>SCIENCES &amp; ENGINEERING</th>
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<tr>
<td>Biological Sciences – Cell &amp; Molecular Biology, including protein structure; Molecular Medicine; Biomathematics</td>
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<tr>
<td>Chemistry</td>
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<td>Computer Science – Systems; Software; Theory</td>
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| • Engineering |
| • Mathematics – Pure & Applied |
| • Physics – Theoretical & Experimental Condensed Matter Physics; Materials Science |
| • Psychology – Cognitive Science; Developmental Psychology |

Application forms and further particulars are available from:

Dawn Duddridge, Assistant Registrar (Personnel), University of Warwick, Coventry, CV4 7AL.
Tel: (01203) 524673 (24 hours). Fax: (01203) 524572

e-mail: praded@admin.warwick.ac.uk

Further details and application forms will also be available on the Internet.

The World Wide Web URL is: http://crocus.csv.warwick.ac.uk/WWW/wrf.html
For Gopher use the command: Gopher -p 1/univ-info/wrf gopher.csv.warwick.ac.uk
POSITIONS OPEN

GROUP RESEARCH AND DEVELOPMENT DIRECTOR

Candidate should be an accomplished SCIENTIST with a D.V.M. or Ph.D. in one of the sciences related to pig breeding. Innovation, integrity, communication and leadership skills are very important requirements for this position. The Group R&D Director will report to the Chief Executive. The Group R&D Director is a member of the board of Pig Improvement Companies and will contribute to the overall strategy of the company. Interested persons may contact: Dr. Phillip J. David, Chief Executive, Pig Improvement Company, 5000 Fieldwick, Kingston Bagpuize, Abington, Oxfordshire OX13 5NA England.

THE U.S. DEPARTMENT OF THE INTERIOR NATIONAL BIOLOGICAL SURVEY

The National Biological Survey (NBS) is a newly established bureau at the Department of the Interior. The mission of the NBS is to provide leadership in gathering, analyzing, and disseminating biological information in support of sound management of the Nation’s natural resources.

Applications are cordially invited for NBS appointments. Details of the positions and instructions for application can be obtained from the Director, National Biological Survey, U.S. Department of the Interior, Flagstaff, Arizona 86001. The National Biological Survey is an Equal Opportunity Affirmative Action Employer.

SABA UNIVERSITY SCHOOL OF MEDICINE

Immediate openings for Ph.D. TEACHING FACULTY in: Gross Anatomy, Biochemistry, Histology, Neurosciences, Microbiology, Pathology, Pharmacology. Scholarship funds are available for Ph.D. or M.D. who wish to complete their M.D. SABA University is a Dutch medical school located in the Caribbean near St. Maarten. Call or send curriculum vitae to: Dr. David Fredrick, 2421 West Pratt Boulevard, Suite 444, Chicago, IL 60645. Telephone: 800-825-7754.

FACULTY POSITIONS DEPARTMENT OF NEUROSCIENCE

THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE

Applications are invited for full-time, tenure-track faculty positions. Positions will be given to applicants with broad interests in cellular, molecular, and developmental neuroscience. Applicants should have a 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. An Equal Opportunity/Affirmative Action Employer.

DEPARTMENT OF CHEMISTRY, NORTHERN ARIZONA UNIVERSITY

Three openings in organic chemistry—all ranks considered. Seek individuals holding a Ph.D., capable of making significant contributions to Department and University interdisciplinatory initiatives in biocomputational and chemical biology. Successful applicants will be given a one-year appointment with the possibility of renewal and promotion. Completed applications will include a curriculum vitae, brief statement of teaching interests/philosophy, concise research plan and three letters of reference. The Northern Arizona University is an Equal Opportunity/Affirmative Action Institution. Women, persons with disabilities and veteran are encouraged to apply.

POSITIONS OPEN

NUTRITIONAL SCIENCES FACULTY POSITION UNIVERSITY OF WISCONSIN-MADISON

The Department of Nutritional Sciences at the University of Wisconsin-Madison has an opening at the ASSOCIATE or FULL PROFESSOR level. Although all areas of nutrition will be considered, we are particularly interested in applications from individuals whose research is focused on molecular techniques to nutritional problems, or deals with the basic or clinical associations between nutrients and health. The successful candidate is expected to maintain a vigorous independent research program, provide leadership for departmental activities, and participate in the teaching of introductory and advanced nutrition courses at the undergraduate and graduate levels. Applications, including curriculum vitae, list of publications, summary of past work and accomplishments, and a statement of plans for future research should be sent to: Professor J. W. Suttle, Chair, Department of Nutritional Sciences, University of Wisconsin-Madison, 1415 Linden Drive, Madison, WI 53706.

FACULTY POSITION IN PHYSIOLOGY

The Department of Physiology at Loyola University Chicago, Stritch School of Medicine, is seeking applicants for a tenure-track position at the ASSOCIATE, or FULL PROFESSOR level. Applicants must have a Ph.D., M.D. or equivalent and are expected to have the ability to obtain a strong research program. Senior applicants should have a record of research productivity and extramural support. The Department has a growing strength in molecular, biophysical and cellular studies of ion channels/membrane transport and also E-C coupling in smooth and cardiac muscle. Applications are especially encouraged from individuals with research interests in related areas including genetics. Include curriculum vitae including research plans and names of three references to: Donald M. Bers, Ph.D., Chairman, Department of Physiology, Loyola University Chicago, 2160 South First Avenue, Maywood, IL 60173. Loyola is an Equal Opportunity/Affirmative Action Employer.

ANATOMY AND CELL BIOLOGY FACULTY POSITION IN DEVELOPMENTAL BIOLOGY

The Department of Anatomy and Cell Biology invites applications from a tenure-track position beginning July 1, 1995. Candidates should have a Ph.D., M.D. or equivalent degree, and have demonstrated ability to conduct independent research that will have extramural funding. The department is seeking a Developmental Biologist with a strong record of achievement in molecular and/or cellular biology. Major research programs in the department are linked with the teaching duties that will include human embryology in the gross anatomy course for first year Medical Students and participation in the Department’s graduate program. The salary will be commensurate with qualifications. Applicants should submit a curriculum vitae, a brief statement of research interests, representative reprints, and names of three referees to: Dr. George D. Pappas, Search Committee, Department of Anatomy and Cell Biology, University of Illinois, College of Medicine at Chicago, 808 South Wood Street, M/C 776, Chicago, IL 60612-7308.

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

ENVIRONMENTAL STUDIES/BOTANY joint appointment: individual with background in Sustainable Agriculture or Wetlands. Ph.D. required. Ability to teach introductory and upper-level Botany, Plant Taxonomy, Introduction to Environmental Studies, and Soil Science; other courses in area of expertise; supervise undergraduate research projects. Review begins November 15, 1994. Submit cover letter, curriculum vitae, transcripts, three letters of reference to: Dr. McKinley, Vice President for Academic Affairs, Warren Wilson College, P.O. Box 9000, Asheville, NC 28815-9000. Equal Opportunity/Affirmative Action Employer.

ENVIRONMENTAL POLICY/POLITICAL SCIENCE INTERDISCIPLINARY POSITION: Ph.D. in one discipline, strong preparation in the other. Teach courses in environmental policy (e.g., global environmental policy and diplomacy, land use planning, or environmental law) and political science (introduction to political science and one or more of the following: public policy and administration, international relations, comparative government, or law and the judicial process). Review begins December 1, 1994. Submit cover letter, curriculum vitae, transcript, and three letters of recommendation to: Dr. McKinley, Vice President for Academic Affairs, Warren Wilson College, P.O. Box 9000, Asheville, NC 28815-9000. Equal Opportunity/Affirmative Action Employer.

PLANT GENETICS FACULTY POSITION

CENTRAL COLLEGE: Tenure-track faculty position in plant genetics beginning September 1, 1995. Responsibilities include teaching undergraduate courses in introductory biology, introductory/population genetics, plant pathology and genetics. Applicants with research projects and participation in departmental seminars. Ph.D. preferred; B.A. considered. Send curriculum vitae, transcripts, and three letters of recommendation to: Dr. Virginia Coombs, Dean of the College, Central College, Pella, IA 50219. Internet Email (requests): planteugenetics@CENTRAL.EDU. Review of applications will begin November 7, 1994. Affirmative Action/Equal Opportunity Employer. We actively seek and encourage applications from women and minorities.
ASSISTANT PROFESSOR
Department of Molecular Genetics
and Cell Biology

The Department of Molecular Genetics and Cell Biology at the University of Chicago invites applications for a tenure track position at the Assistant Professor level in the areas of Molecular Genetics and Cell Biology. We will consider outstanding applicants who have a strong potential for imaginative research in the broad areas encompassing the Department's interests. Successful candidates will receive newly renovated laboratory space, ample start-up funds and join an interactive Department with an active program of graduate education.

By November 15, applicants should send curriculum vitae, reprints, statement of research experience and proposed program, and names of three references to: Dr. Anthony P. Mahowald, Chair, Department of Molecular Genetics and Cell Biology, 920 E. 58th Street, Chicago, IL 60637.

THE UNIVERSITY OF CHICAGO
An Affirmative Action Equal Opportunity Employer

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National Institute on Alcohol Abuse and Alcoholism
National Institutes of Health
Public Health Service
Department of Health and Human Services

DEPUTY DIRECTOR

The National Institute on Alcohol Abuse and Alcoholism (NIAAA) invites applications for the position of Deputy Director. This is a Senior Executive Service (SES), position with a salary ranging from $92,900 to $115,700 + 4.23% locality allowance. Physicians may be eligible for a Physician's Comparability Allowance of up to $20,000 per annum. A one year probationary period must be served by the individual selected if not currently in the career Senior Executive Service.

The NIAAA provides national leadership and direction in the development of goals, priorities, policies, and program activities designed to increase the knowledge base for developing effective strategies to deal with the health problems and issues associated with alcohol abuse and alcoholism. The Institute's program includes clinical and intramural alcohol research and training programs for scientists interested in research careers in the biomedical and behavioral sciences with a special interest in alcoholism and alcohol abuse. The Deputy Director helps to manage a staff of approximately 400 and a budget of $191 million. The Deputy Director is also the chief advisor to the Director, NIAAA.

Applicants must possess a strong background and accomplishments in the development, management, and direction of alcohol abuse or alcohol related research programs.

Applicants are required to submit an Application for Federal Employment (SF-171), available at all Federal Job Information Centers and Federal Personnel Offices. Resumes are not acceptable applications. Additionally, applicants may send a curriculum vitae and a bibliography. The vacancy announcement with mandatory/desirable qualifications requirements can be obtained by calling (301) 443-4031. Application material must be sent to the following address:

National Institutes of Health
National Institute on Alcohol Abuse and Alcoholism
Personnel Management Branch
Attn: Frank A. Shevock
Wilco Building, Room 406
6000 Executive Blvd MSC 7003
Bethesda, MD 20892-7003

Complete Applications Must Be Received No Later Than December 9, 1994.

NIAAA is an Equal Opportunity Employer
POSTDOCTORAL POSITION

The Department of Medicinal Chemistry and Pharmacognosy at Purdue University invites applications for tenured-track faculty positions at all levels. Full-time tenure-track faculty members in the general area of mass spectrometry. The initial goal is to identify candidates at the ASSISTANT/ASSOCIATE PROFESSOR level, however, outstanding candidates at all levels will be considered. A Ph.D. or equivalent degree is required along with postgraduate experience and a productive record of quality scientific research. Applicants are expected to develop an independent research program with extramural funding using mass spectrometry in the broad context of biochemical and/or pharmaceutical analysis. Excellent collaborative research opportunities are available through interdisciplinatory programs within the university including the departments of Chemistry, Biochemistry, and Biological Sciences. In addition, the applicant is expected to contribute to graduate/undergraduate education programs, and to help coordinate service efforts in the campus-wide mass spectrometry facility housed in the School of Pharmacy. The applicant should send curriculum vitae, brief research prospectus, and arrange to have three letters of recommendation sent to: Chairperson, Mass Spectrometry Search Committee, Department of Medicinal Chemistry and Pharmacognosy, 1333 Robert E. Heine Pharmacy Building, Purdue University, West Lafayette, IN 47907-1333. All complete applications will be reviewed starting November 1, 1994, and the search will remain open until an appropriate candidate is selected. Purdue University is an Equal Opportunity/ Affirmative Action Employer.
MOLECULAR IMMUNOLOGISTS/CELL BIOLOGISTS
Gwen Knapp Center for Lupus and Immunology Research
The University of Chicago

The Gwen Knapp Center for Lupus and Immunology Research of the University of Chicago is seeking applicants at the Assistant, Associate and Full Professor levels to join the newly formed Center. The Center is committed to developing a strong program in molecular immunology. We are seeking outstanding individuals who are using the approaches of molecular biology and cell physiology to examine basic immune mechanisms and/or disorders such as signal transduction, gene regulation, and antigen processing. Existing immunology programs at the University of Chicago include: lymphocyte development, B and T cell activation, antigen presentation, tumor immunology, transplantation, and autoimmunity. Candidates should have sufficient research experience to demonstrate both significant accomplishment and outstanding promise. Faculty appointments will be tenure-track in the most appropriate academic department where the candidate will be expected to exercise full membership. New state-of-the-art laboratory space will be located within the Institute for Molecular Medicine which is now being formed. This Institute will also house programs in molecular oncology, vascular biology, human genetics, and neurobiology. Letters of application including curriculum vitae, bibliography, a brief statement indicating research interest, and the names of 3 references should be sent to: Dr. Craig B. Thompson, Director, Gwen Knapp Center for Lupus and Immunology Research, 924 E. 57th Street, Room R410, Chicago, IL 60637-5420.

THE UNIVERSITY OF CHICAGO

The University of Chicago is An Affirmative Action Equal Opportunity Employer

DEPARTMENT OF THE ARMY OPPORTUNITIES

Become a member of the Army's research and development community involved in basic and applied scientific research and advanced technological development.

Listed below are career opportunities at various Army laboratories and research, development and engineering centers for senior research scientists and engineers.

Senior Research Scientist (Environmental), Vicksburg, Mississippi (DA-ST-01-94)
Senior Research Scientist (Burn Infections), San Antonio, Texas (DA-ST-02-94)
Senior Research Scientist (Medical Chemical Defense), Aberdeen, Maryland (DA-ST-03-94)
Senior Research Scientist (Biotechnology), Natick, Massachusetts (DA-ST-04-94)
Senior Research Scientist (Low Observable Technology), Warren, Michigan (DA-ST-05-94)
Senior Research Scientist (Theoretical Physics), Research Triangle Park, North Carolina (DA-ST-06-94)
Senior Research Engineer (Aeromechanics), Moffett Field, California (DA-ST-07-94)
Senior Research Scientist (Sensors), Adelphi, Maryland (DA-ST-08-94)
Senior Research Engineer (Information Science & Technology), Adelphi, Maryland (DA-ST-09-94)
Senior Research Engineer (Ceramic Materials), Watertown, Massachusetts (DA-ST-10-94)
Senior Research Scientist (Electromagnetics), Fort Monmouth, New Jersey (DA-ST-11-94)
Senior Research Scientist (Soldier Performance), Aberdeen, Maryland (DA-ST-12-94)

Apply To:
U.S. Army Materiel Command
5001 Eisenhower Avenue
ATTN: AMCPE-CS
Alexandria, VA 22333-0001
(703) 274-9415

Applicants should be recognized as national/international authorities in their research specialties. Salaries range from $79,931 to $115,700 (plus locality pay) per year. Interested individuals should call (703) 274-9415 for application materials. Applications must be postmarked by October 28, 1994.

The Department of Army is an Equal Opportunity Employer—U.S. Citizenship Required
POSTDOCTORAL POSITION AVAILABLE IMMEDIATELY

A POSTDOCTORAL POSITION available immediately in the laboratory of Dr. R. Freedman (Psychiatry), J. L. Ram (Physiology), and J. R. Sowers (Endocrinology and Hypertension) is to study cellular and hormonal mechanisms mediating gender differences in cardiovascular function. Research utilizes isolated vascular preparations, patch-clamping and mRNA measurements. Candidates experienced in several of these techniques are encouraged to apply. Send curriculum vitae and names of three references to: Dr. R. Freedman, Department of Psychiatry, Wayne State University, 275 East Hancock, Detroit, MI 48201. Wayne State University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION IN BIOCHEMISTRY

A POSTDOCTORAL POSITION is immediately available to conduct biochemical and molecular studies in the area of non-mammalian and mammalian DNA repair. Applicants must have a strong background in either biochemistry or molecular biology. Please send curriculum vitae, a brief statement of research experience and areas of interest, and the names and addresses of three references to: Dr. Philip A. Bieche, Department of Biochemistry, University of Illinois, Chicago, Illinois 60680. University of Illinois is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION IN HUMAN GENOMICS

A POSTDOC position is available to participate in the development of coagulation diagnostic agents in an industrial setting. Candidate should have a protein biochemistry background in the field of coagulation. Prefer some molecular cloning, expression and downstream purification experience. Competitive salary and benefits. Interested individuals should send a cover letter and resume to: Dr. Mark R. Kelley, Department of Pediatrics, Room 5984, Indiana University Medical School, 702 Barnhill Drive, Indianapolis, IN 46225-2225. Telephone: 317-274-2785, FAX: 317-274-2786. Indiana University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION IN IN VIVO IMMUNOLOGY

A POSTDOCTORAL POSITION is available to study immune responses in vivo. The research will involve the study of enzyme kinetics and use of protein hydrolyses as cost effective media ingredients in microbial fermentations/animals/insect cell culture. Requires Ph.D. in Microbiology/Chemistry, Cell Biology or a related field. Experience with computers and leadership qualities are desirable. Please send curriculum vitae with brief summary, and publications to: Vijai K. Pasupuleti, Ph.D., Product Development Manager, Quest International, P.O. Box 630, Norwich, NY 13815.

Two POSTDOCTORAL POSITIONS available for Ph.D.’s with a strong background in molecular and cell biology techniques, biochemistry or protein chemistry. Research projects under investigation include: gene regulation and expression of human hormone isozymes and biliverdin reductase in E. coli and the mouse. Interested applicants should send curriculum vitae and names and addresses of references to: Mahin D. Maimen, Ph.D., Biophysics Department University of Rochester Medical Center 610 Elmwood Avenue Rochester, NY 14642

POSTDOCTORAL RESEARCH ASSOCIATE

The Eastern Regional Research Center (ERRC), Agricultural Research Service (ARS), USDA, has an opening for a RESEARCH CHEMIST/BIOCHEMIST to develop methods for increasing the activity of enzymes in non-aqueous solvents and expanding their substrate ranges. The Center is located on an attractive 27-acre campus just outside of Philadelphia, in Wyndmoor, Montgomery County. It contains 250 scientists, engineers, and support staff working in diverse areas of agricultural research. Employees enjoy a flexible work schedule and have access to state-of-the-art instrumentation, computer center, and library. Candidate must have a Ph.D. in food chemistry or enzymology. Approximately 20 years of post-doctoral experience is desired with experience ($35,291 to $42,297). Send curriculum vitae and names of three references to: Dr. Michael J. Haas, USDA, ARS, ERRC, 600 East Mermaid Lane, Philadelphia, PA 19118. For information regarding the research project call Dr. Haas at 215-233-6459. Applications in response to this advertisement must be marked 4N021.

USDA/ARS is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE IN MOLECULAR-CELLULAR BIOL-OGY—Phoenix, Arizona.

A POSTDOCTORAL POSITION is available for a Molecular-Cellular Biologist in the laboratory of Dr. Michael K. Stachowiak at the Barrow Neurological Institute of St. Joseph’s Hospital and Medical Center. The candidate will study the molecular biology of intercellular FGF receptors in human astrocytes and the mechanisms by which BFGF controls cell cycle progression and proliferation. Candidates in this laboratory are supported by NIH, NSF and private grants. Send curriculum vitae, a summary of research interests/experience and names of three references to: Dr. Michael K. Stachowiak, Laboratory of Molecular Neurobiology, Division of Neurobiology, Barrow Neurological Institute, St. Joseph’s Hospital and Medical Center, 350 West Willow Road, Phoenix, AZ 85013. Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE IN PROTEIN CRYSTALLOGRAPHY

Applicants are invited to join a dynamic research group with a primary focus on redox proteins and their complexes with electron carrier proteins. Current projects include several complex flavoenzymes, a variety of quinoproteins and a number of novel heme proteins. Candidates with experience in macromolecular or small molecule crystallography, preferably with some background in biochemistry, who are interested in participating in diverse projects with a variety of techniques and programs. The laboratory is well-equipped with two types of area detector, extensive GIS computing and graphic workstations, a crystallography data collection system and other laboratory support. Send curriculum vitae together with the names of three references should be sent to: Dr. Fred S. Mathews, Department of Biochemistry, Health Science Center, University of Texas Medical School at Houston, 6541 Fannin, Houston, TX 77030. Equal Opportunity Employer.

POSTDOCTORAL POSITION IN NEUROSCIENCE—Phoenix, Arizona.

A POSTDOCTORAL POSITION is available for a molecular biologist with experience in the functional genomics of neuronal development and disease. Experience in high throughput analysis of transcriptomes, proteomes, and metabolomes is a plus. Send curriculum vitae, names and addresses of three references to: Dr. Albert Slaga, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461.

POSTDOCTORAL/RESEARCH ASSOCIATES

Two positions immediately available in federally funded center for studies related to the Persian Gulf Syndrome. The first position is for a neuroendocrinologist or neuroscientist with a strong background in molecular biology and experience with aging and the stress of chronic stress and exposure to environmental toxins in animals. Experience in adrenocortical axis regulation and neuroendocrine consequences of chronic stress experienced by animals is essential. The second position available is for a psychophysilogist with experience in human stress reactivity research. Send or FAX curriculum vitae to: Dr. John Otnerslev, Neurobehavioral Unit (127A), Department of Medical Center, 880 Tremont Avenue, East Orange, NJ 07018-1095. FAX: 201-676-4661, The East Orange VA Medical Center is an Equal Opportunity Employer.

HUMAN GENOME POSTDOCTORAL FELLOWSHIPS available to conduct research related to the U.S. Department of Energy’s Human Genome Program. Research areas include biology, chemistry, physics, mathematics, engineering, and computer and information science. Starting salaries vary with experience. Deadline is April 30, 1992, is required as is U.S. citizenship or Ph.D. status. Deadline is February 1, 1995. Contact: Human Genome Postdoctoral Fellowships, Science/Engineering Educational Division, Oak Ridge Institute for Science and Education, P.O. Box 117, Oak Ridge, TN 37831-0117. Telephone: 615-576-9975.

POSTDOCTORAL POSITIONS IN BIOCHEMISTRY AND MOLECULAR BIOLOGY

Positions are available immediately to study the mechanism of action of peptide-metabolizing enzymes involved in cancer research and their expression in eukaryotes and prokaryotes. Gene isolation and amplification of their protein products will be required. Once obtained, expression in insect cell lines is needed. Products will be determined by functional group-specific reagents and affinity labels. In addition, site-specific mutagenesis will be employed to establish the relation of structure to function in these enzymes. Cloning and sequencing experience desirable. The research will be conducted in a well-equipped core facility. Compensation from Health Research Inc. depends upon experience. Send résumé and three references to: Dr. Frank Maley, Waddsworth Center for Laboratories and Research, Empire State Plaza, Box 500, Albany, NY 12201. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Postdoctoral positions for an NCI training program in molecular biology and cancer research are available at The University of Texas (UT) M. D. Anderson Cancer Center-Science Park. Research programs focus on the following areas: DNA repair and mutagenesis, carcinogen metabolism and adjuvant formation, tumor promotion, role of oncogenes and/or tumor suppressor genes in multistage carcinogenesis, regulation of differentiation, chemoprevention and nutrition in cancer. Applicants must be U.S. citizens or permanent residents and must have a Ph.D., M.D., or D.V.M. degree. For applications of interest: Dr. Thomas Slaga, Director, UT Science Park-Research Division, P.O. Box 389, Smithville, TX 78957. Telephone: 512-237-2403. We are an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL RESEARCH ASSOCIATE

In tumor biochemistry to study biochemical alterations in cellular metabolites associated with tumor progression and metastatic potential. Studies of actively metabolizing tissue and cancer cell preparations will use HPLC and 1H-NMR spectroscopy. Experience in HPLC methodology, biochemical analysis and NMR methodology preferred. Please send curriculum vitae and names of three references to: Samuel Sing- er, M.D., Ph.D., Pel-Freez Biologicals, 575 Freez Rd., Rogers, AR 72756. Telephone: 501-622-9000, Equal Opportunity Employer.
The Division of the Biological Sciences of the University of Chicago is soliciting nominations and applications for the position of Director for the Brain Research Foundation Center for Molecular and Cellular Neurobiology, one of five biomedical research centers to be located in the Institute for Molecular Medicine, housed within the new Jules F. Knapp Research Building. The other research centers will be devoted to the study of human genetics, molecular cardiology, immunology and molecular oncology. The Center is committed to molecular and cellular biological research with the ultimate goal of understanding fundamental biology of the nervous system and neurological diseases. The Center will have 10,000 net square feet of newly constructed research space which has been planned to house six investigators. The Director will be responsible for the development of this program and for recruiting the five additional Center faculty members who will have primary academic appointments in an appropriate department. Funding is available for the establishment and initial support of this major new research program. The activities of the Center will complement ongoing programs in neurobiology at the University of Chicago. Please send (by January 1, 1995) nominations or applications, accompanied by a current curriculum vitae, to: Dr. Jeffrey A. Bluestone, Special Advisor for Basic Sciences and Chair, Neurobiology Center Director Search Committee, c/o N. Roth, 5841 S. Maryland Ave.—MC 1000, Chicago, IL 60637-1470.

THE UNIVERSITY OF CHICAGO

The University of Chicago is an Affirmative Action Equal Opportunity Employer

National Institute of Neurological Disorders and Stroke
National Institutes of Health
Public Health Service
Department of Health and Human Services

Position: Deputy Director, NINDS
Location: Bethesda, Maryland

The National Institute of Neurological Disorders and Stroke (NINDS) invites nominations and applications for the position of Deputy Director, NINDS. This is a Civil Service Position in the Senior Executive Service with a salary range of $96,830 to $111,839 per year. Physicians may be eligible for a Physicians Comparability Allowance up to $20,000 per year. A one-year probationary period must be served by the individual selected if not currently in the Senior Executive Service.

The Deputy Director, NINDS serves as a full Deputy to the Institute Director in the coordination and management of all activities related to the mission and functions of the NINDS, in the execution of the policies of the Director, and in the allocation of resources to carry out these policies.

For more information on the position, contact Dr. Jonas Ellenberg at (301) 496-4106. For information regarding qualifications requirements, contact Ms. Christine Steyer at (301) 496-6334. The following forms are required: Application for Federal Employment (SF-171) accompanied by a current curriculum vitae and bibliography. These must be submitted to: Ms. Christine Steyer, National Institutes of Health, NINDS Personnel Office, Building 31, Room 8A23, 31 Center Dr., MSC 2540, Bethesda, Maryland 20892-2540.

Applications must be submitted by October 24, 1994.

Selection for this position will be based solely on merit with no discrimination for non-merit reasons such as race, color, religion, sex, national origin, politics, marital status, physical or mental handicap, age, or membership or non-membership in an employee organization.

NIH IS AN EQUAL OPPORTUNITY EMPLOYER
POSITIONS OPEN

POSTDOCTORAL FELLOWS

POSTDOCTORAL POSITIONS available immediately in recently renewed NIH-funded programs to study (1) molecular mechanisms of epithelial cell proliferation and differentiation, and (2) mechanisms of hormone action. Candidates should have a strong background in gene regulation, cell signaling and/or developmental biology. FAX or mail application to: Prof. David Warburton, (MSR3), Childrens Hospital Los Angeles Research Institute/USC School of Medicine, 4625 Olympic Blvd., Los Angeles, CA 90027. FAX: 213-664-9758; Telephone: 213-669-2101. Equal Opportunity Employer.

POSTDOCTORAL POSITION

Available immediately to study role of integrins in the regulation of transmembrane signaling via GPI-anchored receptors involved in the inflammatory response of human leukocytes and tumor cell invasion. Background in cell and molecular biology is essential. Send curriculum vitae, a statement of research interest, and the names of three references to: Robert F. Todd III, M.D., Ph.D., University of Michigan Medical Center, 1500 East Medical Center Drive, 3119 Taubman Center, Ann Arbor, MI 48109-0374. An Equal Opportunity Employer.

RESEARCH ASSOCIATE, Department of Botany, University of Washington. A three-year temporary appointment is intended in the area of fungal endocrinology. Relevant Ph.D. and postdoctoral experience required. Must be familiar with vegetative and macrofungi of the Pacific Northwest United States. Prefer experience with polysaccharides. Knowledge of fungal endocrinology is desired. Applications, including a curriculum vitae and three letters of recommendation, should be sent to: Dr. J. F. Ammirati, Department of Botany, KB-15, University of Washington, Seattle, WA 98195. All letters will be reviewed. Closing date: November 1, 1994. University of Washington is an Equal Opportunity/Affirmative Action Employer.

MATERIALS SCIENTIST in Ceramic Engineering: Will conduct advanced research in ceramic material synthesis by sol-gel route. Will perform and must demonstrate expertise in performing research in the following areas: a) Sol-gel derived mullite composite with SiC whiskers inclusions; b) Sol-gel derived particulate Si3N4 and ZrO2, reinforced mullite composite; c) Supercritical drying of mullite gel; d) Sintering of powder composites with SiC whiskers. Experience in ceramic engineering required plus ability to operate and interpret data from XRD, SEM and TEM machinery and to operate characterization equipment including TGA, DTA, TMA, rheometer, BET, ICP-AES and FTIR. $59,100 per year. Job site/interview: Camarillo, California. Send ad and résumé to: Job No. TGI. Pacific Box 269065, Sacramento, CA 95826-9065.

CEDARS-SINAI MEDICAL CENTER

LABORATORY SUPERVISOR

Must possess a B.S., M.S., or Ph.D. in Biological Sciences or Medical Technology with a minimum of six years of experience in laboratory and molecular biology. Supervisory experience is also required. For consideration, please forward résumé to: Job No. 1940570, Cedars Sinai Medical Center, 8273 Aliden Drive, Spielberg Building, Los Angeles, CA 90048. Affirmative Action/Equal Opportunity Employer.

MOLAR AND CELLULAR ENDOCRINOLOGY

A RESEARCH ASSOCIATE PROFESSOR and a POSTDOCTORAL FELLOWSHIP are available to study the mechanisms governing pituitary hormone secretion and the regulation and transdifferentiation of growth hormone and prolactin producing cells and the role of the hypothalamic intermediate lobe in the regulation of pituitary hormones. Both rodent and bovine model systems are utilized. We study these processes at the single, living cell level by employing a broad range of techniques in molecular and cellular biology, including: (i) studies of gene expression which include all are not limited to) combinations of the following techniques: reverse hemolytic plaque assays for quantifying hormone secretion, video imaging of cells transfected with luciferase-promoter constructs for assessing gene expression in real time, and microinjection (cytoplasmic and nuclear) for selectively introducing gene expression constructs into target cells. Postdoctoral experience and an extensive background in molecular biology are required for the more senior position which offers the opportunity to establish an independent research program. Send curriculum vitae and names and telephone numbers of three references to: Dr. L. Stephen Frawley, Department of Cell Biology and Anatomy, South Carolina, 171 Ashley Avenue, Charleston, SC 29425-2204. Telephone: 803-792-3526; FAX: 803-792-0064.

RESEARCH SCIENTIST—PHYSIOLOGICAL IMAGING: Pursue physiological research using optical imaging and photometric techniques to study neurophysiological activity in humans and animals, utilizing advanced techniques, such as, functional analysis, and neurophysiological understanding for brain function and developing commercial applications; develop novel methods and techniques for imaging; and diagnosing cancer; direct engineering team on scientific issues; communicate scientific knowledge on behalf of company. Requires: Ph.D. in neuroscience or advanced skills in physiological research in application of imaging and photometric techniques to biological systems including at least three years of such work applied to human biology; five years of computer programming; design and implementing imaging algorithms. Experience may be gained concurrently. Publication in refereed journals and/or patent experience with optical imaging applied to biological systems. Résumé/cover letter must reflect all requirements. Two positions available. Salary: $42,500 per year. For further information contact: Dr. R. D. Jackson, University of Public Health, School of Medicine, 105, Washington, WA 98070-9046. Women and minorities are encouraged to apply. An Equal Opportunity/Affirmative Action Employer.

RESEARCH SCIENTIST

The Department of Surgery is seeking candidates to direct a vascular biology research program studying the etiology and development of aortic intimal hyperplasia. Specifically, the candidate should have knowledge of the role of leukocytes and their cytokines/receptors, as well as the functions of mural smooth muscle and endothelial cells. Knowledge in hemodynamics will also be valuable.

Qualified individuals should have a Ph.D. or equivalent, at least 5 years of postdoctoral training, and an excellent publication record. Individual must be interested in working with M.D.'s in the development of clinical translation and potential therapies.

This position is limited to three years, with extension contingent on extramural funding. Send curriculum vitae, description of research, current status of research, the names, addresses, and telephone numbers of three references to: Dr. John Hoch, Department of Surgery, University of Wisconsin, Clinical Science Center H4/730, 600 Highland Avenue, Madison, WI 53792-5205. Five years.

TUFTS—NEW ENGLAND MEDICAL CENTER RESEARCH ASSOCIATE RHEUMATOLOGY/IMMUNOLOGY

Position available for T-cell epitope mapping studies of Lyme disease. Extensive experience with tissue culture and immunology techniques are desirable. Send curriculum vitae to: Allen C. Steere, Division of Rheumatology/Immunology, 750 Washington Street, Box 404, Boston, MA 02111. FAX: 617-956-4252. New England Medical Center is an Equal Opportunity Employer.

TUFTS—NEW ENGLAND MEDICAL CENTER RESEARCH FELLOWSHIP

Private university in northeastern Ohio is seeking a senior RESEARCH ASSOCIATE to investigate the structural requirements of nucleotide and other bio-organic molecules that enable them to move in muscle and non-muscle motile cells. The work involves: (a) the synthesis of a series of nucleotide and non-nucleotide bio-organic triphosphates with specific structural modifications to determine the geometric dispositions of the different chemical moieties; (b) their chemical characterization by spectral methods including nuclear magnetic resonance, infrared, ultraviolet spectroscopy, (c) examination of these compounds to support biologic movement.

Position requires Ph.D. in Organic Chemistry or Biochemistry. Applicants will qualify with three years of postdoctoral experience in job described above or with three years of postdoctoral experience in: (i) the synthesis of bio-organic molecules such as nucleotide and nucleotide analogues or related drugs such as tyrosine kinase inhibitors; (ii) the use of spectral techniques such as nuclear magnetic resonance (NMR) spectroscopy, infrared (IR) spectroscopy, ultraviolet spectroscopy (UV) and mass spectroscopy (MS) in characterizing bio-organic molecules; and (iii) the separation of isomeric forms of bio-organic compounds.

The salary for the position is $31,805 per year, 8:30 a.m.-5:00 p.m., Monday to Friday (37-1/2 hours per week). Must have proof of work indefinitely in the United States. Send curriculum vitae with list of publications, names and addresses of three recent academic and professional references, (no calls) to: K. Shockey, J.O. No. 005831, Ohio Bureau of Employment Service, P.O. Box 1618, Columbus, OH 43216. An Equal Opportunity/Affirmative Action Employer.

SWISS TROPICAL INSTITUTE

Senior Research Scientist

Applications are invited for the position of a project leader at the Department of Medical Parasitology. The successful applicant (Ph.D. level) will have at least five years of postdoctoral research experience in molecular biology and immunology and significant research experience with laboratory models (malaria or others). Preference will be given to individuals who are familiar with modern molecular approaches to understand disease processes and to candidates with the potential to develop an independently funded research programme within this research focus. As a small institution we like to strengthen interdisciplinary research projects between our three disciplines (Medical Parasitology, Tropics and Ethics/Swiss Public Health). We offer a five year "starter" contract which for successful candidates can lead to a tenure position with integration in our teaching programme at the University of Basel. Interested candidates should send detailed curriculum vitae, list of publications, a summary of research and teaching interests and names of three referees to: Prof. Niklaus Wenger, Swiss Trop. Inst., P.O. Box 121, CH 4002 Basel, Switzerland. FAX: +4161-2718654. Closing date: 1 November 1994.

RESEARCH SCIENTIST. Position available for molecular or structural biologist to study salivary proteins. Two to three years of postdoctoral experience in molecular and structural biology required. Salary range $30,000 to $40,000 depending upon experience. Also desirable is experience in NMR or x-ray crystallography of proteins. Send curriculum vitae and three letters of reference to: Project Director, Department of Oral Biology, 109 Foster Hall, State University of New York, Buf- falo, NY 14214-3092. The Research Foundation of SUNY/Buffalo is an Affirmative Action/Equal Opportunity Employer.

MOLECULAR GENETICIST/PLANT SYSTEMATIST: The Research Program at Rancho Santa Ana Botanic Garden, Claremont, California invites applications from established molecular geneticist/plant systematist for an opening in the areas of developmental and conservation genetics and related disciplines.

Graduate-level teaching is expected. Applicants who consider themselves trained on plants native to California are especially welcome.

Send curriculum vitae, statement of research interests and names of three reference contacts to: Dr. John G. Rice, RSBG, 1500 North College Avenue, Claremont, CA 91711. An Equal Opportunity/Affirmative Action Employer.
**PROGRAM DIRECTOR**
**BIOMEDICAL ENGINEERING PROGRAMS**

The Whitaker Foundation, a private foundation dedicated to enhancing the field of biomedical engineering, is seeking a Program Director for its Biomedical Engineering Research Grants program. This program supports the research of approximately 300 investigators early in their careers. The Director will manage this program and may also be asked to assume administrative responsibility for additional biomedical engineering activities. Salary will be commensurate with experience.

Candidates should have a Doctorate in Biomedical Engineering or a closely related field. Further experience in biomedical engineering research and education is highly desirable. Demonstrated administrative capability is essential.

For further information, request a complete job description and a copy of the 1993 Annual Report of the Foundation from:

The Whitaker Foundation
901 15th Street NW, Suite 1000
Washington, DC 20005
Tel: (202) 485-1505, Fax: (202) 485-1506

Qualified candidates should apply by sending a cover letter and a complete curriculum vitae to Dr. Peter Katona at the above address. References will be requested after establishing a close match of interests. Applications will be accepted until the position is filled.

**SYNAPTIC**
**Pharmaceutical Corporation**

For consideration, send resume in confidence to:
Human Resources Manager, Dept. 159
Synaptic Pharmaceutical Corporation
215 College Rd., Paramus, New Jersey 07652

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**The Global Environment:**
**Invitation for RITE’s Research Proposals**

The Research Institute of Innovative Technology for the Earth (RITE) is inviting basic research proposals concerned with environmental problems. Also, research proposals which are deemed to contribute significantly to the resolution of global environmental problems will be supported by RITE in the form of commissions.

1. **Invited Research Category**

Basic Research aimed at the development of innovative technologies which will contribute to the solution of global environmental problems.

2. **Invited Research Themes**

[A] Research concerning greenhouse gases, such as carbon dioxide and methane which are considered among the main causes of global warming, on the following themes:

1. Efficient separation, recovery, disposal, re-use and so on of the greenhouse gases.
2. Innovative process technologies which limit greenhouse gas generation.
3. Research concerning enhancement of CO2 sinks (e.g. ocean sinks, underground storage and reforestation through biotechnology).

[B] Research for other technologies concerning environmental problems on the following themes:

1. Control of generation and widespread release of chemical substances, apart from the greenhouse gases mentioned in [A] above, which are seriously detrimental to the environment, or prevention of the generation of those substances.
2. Substitutes for the chemical substances mentioned above.

3. **Number of Proposals to be Accepted**

The number of proposals to be accepted will be determined after the governmental budget for FY 1995 has been confirmed. For FY 1994 12 proposals were newly accepted.

4. **Allowance for Commissioned Research**

Up to 10 million Japanese Yen will be allocated for each proposal; the entire cost of a project may not be covered by RITE. The allowances distributed for proposals accepted in FY 1994 ranged from 3.0 million to 7.5 million Japanese Yen per project, with the average being 6.45 million Japanese Yen.

5. **Closing Date for the Submission of Proposals**

Proposal must be received by RITE no later than December 15, 1994.

6. **Period of the Commissioned Research**

Accepted proposals will be for projects lasting a single year during the period approximately from August, 1995 to March, 1996. However, when continuation is deemed necessary, RITE may commission further research.

7. **Qualified Research Participants**

Individuals or groups engaged in research activities at research institutions etc. are eligible. The applicants' citizenship or proposed site for the research will not be considered as determinants in selection.

8. **Application Procedure**

Applicants must contact the Secretariat at RITE (as below) for literature detailing documents to be submitted and designated formats thereof. Facsimile transmission is preferred for speed of communication. Please include relevant Tel. and Fax. Nos. with requests.

**Secretariat,**
Ms. Kaneko, Mr. Ishizu or Mr. Hirano
Research Proposal Reception Section
Research Planning Department
RITE
9-2 Kizugawadai Kizu-cho Soraku-gun,
KYOTO, 619-02 JAPAN
TEL: 81-7747-5-2302
FAX: 81-7747-5-2314

This program will be carried out on commission by the New Energy and Industrial Technology Development Organization (NEDO).
HEALTH SCIENCE MANAGER

A leading scientific and regulatory affairs consulting firm, ENVIRON provides a broad range of risk assessment services to clients addressing the multifaceted issues associated with hazardous substances. Our clients include some of the nation’s leading law firms, Fortune 100 companies, national trade associations, insurance companies, and public sector agencies concerned with health and environmental issues. We are seeking a HEALTH SCIENTIST with at least eight years of experience, who holds an M.S. or Ph.D. in toxicology, pharmacology, public health, or a related discipline. We require prior consulting and risk assessment experience, as well as strong analytical ability and excellent written and oral communication skills.

ENVIRON offers competitive salaries and benefits, as well as career development and advancement opportunities. Please submit your resume to: ENVIRON Corporation, Department SM196, 214 Carnegie Street, Princeton, NJ 08540-6284. ENVIRON is an Equal Opportunity Employer.

The position of WATER RESOURCE ENGINEER/RESEARCH HYDROLOGIST at Everglades National Park, Miami, Florida, will be advertised in the near future. This is a permanent position, GS-13, salary range $47,920 to $62,293. No federal government employees may apply. This position involves the planning and conducting of the Water Delivery Studies project at the center, conducting field and office investigations to evaluate the effects of South Florida Water Management District’s operations on the Everglades, and developing computer models and computer simulation software to determine the ecological impact of water delivery strategies. The competitive salary and benefits package is expected to be attractive to qualified candidates.

For information on applying, contact Ruth Franklin, Administrative Assistant, South Florida Natural Resources Center at 305-242-7802.

RESEARCH SPECIALIST III (ref. no. 9404017NS), available immediately, to study ecology and dynamics of Lyme disease. Requires strong mathematical background. Three year appointment. Send curriculum vitae and references to: Dr. G. Smith, University of Pennsylvania, New Bolton Center, 382 West Street Road, Kennett Square, PA 19348. FAX: 610-444-0126. Affirmative Action/Equal Opportunity Employer.

SCIENTIST—RUSH CANCER INSTITUTE

Rush Presbyterian-St. Luke’s Medical Center

The Rush Cancer Institute currently has available POSTDOCTORAL POSITIONS for a two-year study on molecular mechanisms of hemopoiesis. The position would involve preparation of recombinant vectors and extensive manipulation of human genes to stably transfect various murine cell lines. Experience in murine gene transfer is essential. Salary commensurate with experience. Direct curriculum vitae and three references to: Julie Kitterman, Ph.D., 3535 South Paulina Street, Chicago, IL 60612. FAX: 312-942-3212. No telephone calls please. Equal Opportunity Employer.

PRECLINICAL DEVELOPMENT

A growing pharmaceutical research center of a leading international petroleum company has several openings in its preclinical development program for the following positions:

Group Leader for Pharmacokinetics: A candidate will have a Ph.D. degree in pharmaceutical chemistry/biochemistry and at least 3 years of experience in industrial research experience in ADME study, metabolism and analytical method development. (Position No. P94-10)

Bioanalytical Chemist: A candidate will have a M.S./B.S. degree in organic chemistry/biochemistry with a minimum of two years of industrial experience. Experience with HPLC, SFC, LCMS, GCMS and other analytical instrumentation is preferred. (Position No. P94-20)

Pharmacologist: A candidate will have a M.S./B.S. degree in pharmacology with a minimum of three years of industrial experience. Experience in CNS pharmacology a plus. (Position No. P94-30)

Molecular Modeling Scientist: A candidate will have a Ph.D. degree in physical/organic chemistry or a M.S. degree with a minimum of three years of industrial experience. (Position No. P94-40)

All positions require excellent communication skills. If interested, send resume, with cover letter indicating job position for a position in the appropriate mail code: 94-7.

Salary is negotiable. No telephone calls please. Affirmative Action/Equal Opportunity Employer.

ENDOWED CHAIR IN ECOTOXICOLOGY

The Rosenstiel School of Marine and Atmospheric Science (RSMAS), University of Miami, seeks an ichthyologist to fill the MAYTAG CHAIR. The Maytag Chair, established in 1957, is a fully endowed position in the broad field of ichthyology. Candidates must have an established reputation in research and an excellent record of publications so as to meet the standard for appointment at full professorial rank. Candidates from all areas of specialization will be considered. Responsibilities include establishing a strong externally funded research program, directing graduate courses, and teaching graduate courses at Southern Florida and the University of Miami. This position is available immediately for a three-year appointment.

Send curriculum vitae, a statement of research and teaching interests, and the names of three references to: M. E. Clarke, Maytag Search Committee Chair, Division of Marine and Atmospheric Science, RSMAS, University of Miami, 4600 Rickenbacker Causeway, Miami, FL 33149-1098, by 1 November 1994.

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

VERSAR, INC., a leader in the environmental consulting industry, offers exciting employment opportunities at our Columbia, Maryland facility. Our Ecological Sciences and Analysis Division has an immediate opening for a SENIOR QUANTITATIVE ECLOGIST, preferably with freshwater fisheries and/or community analysis/modeling experience, to lead and contribute to assessment and monitoring projects. The consulting experience, including ecological risk assessment and/or NEPA experience and success at business development, is essential. The successful candidate will work with a group of 30 biologists, ecologists and computer support personnel in supporting clients such as EPA, state agencies, and private industry. VERSAR offers a competitive salary and full benefits package. Please send resume and salary requirements in confidence to: Glynda Squiggins, Human Resources, Versar, Inc., ESM Operations, 9333 Highpoint Drive, Columbia, MD 21045 FAX: 410-964-5156 An Equal Opportunity Employer.

MECHANISMS OF ANIMAL BEHAVIOR

Department of Integrative Biology

University of California at Berkeley

Applications are invited for a tenure-track position as ASSISTANT PROFESSOR to start July 1, 1995. Candidates should have demonstrated excellence, originality and productivity in research focusing on mechanisms underpinning animal behavior, and should have a strong interest in teaching undergraduate and graduate classes. We are particularly interested in candidates focusing their research on the neurobiological and/or developmental substrates of animal behavior. The appointee will join a department with a strong evolutionary focus and will occupy a laboratory in the new Valley Life Sciences building. Teaching responsibilities will include participation in an existing course in animal behavior and in a core course in form and function, as well as offering advanced courses in the area of specialization.

Applications, including a curriculum vitae, a list of publications, recent letters of reference, and a description of future research interests, a brief (two page maximum) statement of research and teaching objectives, and three letters of reference should be sent to: Chair, Search Committee Director, Department of Integrative Biology, University of California at Berkeley, Berkeley, CA 94720-3140. Applications should be postmarked no later than November 18, 1994. Early applications are encouraged.

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

UNIVERSITY AT STONY BROOK

CELLULAR AND MOLECULAR PHARMACY

Applications are invited for the position of ASSISTANT PROFESSOR (Tenure-Track) in the School of Medicine. Applicants with appropriate experience may be considered for appointment at the ASSISTANT PROFESSOR level. Research interests in our multidisciplinary program in Cellular and Molecular Pharmacology encompass neuropharmacology, membrane receptors and signal transduction, cell differentiation, molecular genetics, molecular toxicology, and pharmacological chemistry. We seek to recruit scientists that complement or build on these strengths. The successful candidate will be expected to establish a productive, independently funded research program and will be expected to participate in Departmental teaching programs for graduate, undergraduate, medical, and allied health students. A complete curriculum vitae, statement of research interests and future plans, and names of three referees should be sent to the Search Committee Chairman, Department of Pharmacological Sciences, The University at Stony Brook, Stony Brook, NY 11794-8651.

The University at Stony Brook is an Equal Opportunity/Affirmative Action Employer.

COURSES AND TRAINING

HOW TO MAKE MICROCAPSULES—A HANDS-ON COURSE

A laboratory course designed to teach the art and science of microcapsule making. Suitable for biologists, pharmacists, chemists, life scientists and engineers. Enrollment limited to 12. Lectures and laboratory sessions by Dr. Curt Thies, Professor of Chemical Engineering at Washington University in St. Louis. Spring Sessions: January 22, 23, 24, and 25; February 26, 27, 28 and March 1; and April 23, 24, 25 and 26, 1995. For information call 314-935-6082.

SYMPOSIUM

SYMPOSIUM: Stem Cells: Prospects for the Clinic—February 6 and 7, 1995, Hyatt Regency, Palo Alto, CA SPEAKERS: I. Weissman, Stanford; G. Spangrude, Utah; D. Emery, MGH; R. Hoffman, Systèmes; S. Heinfeld, Cell Pro; R. Tushinski, Systèmes; M. Moore, Sloan Kettering; R. Mertelsmann, Germany; M. Muller, R. O'Reilly, Sloan Kettering; R. Mulligan, MIT; E. Gilbert, Duke; J. Lebek- kowsi, A1S; S. Chatterjee, City of Hope; D. Bodine, NIH; D. Kalaitzis, New England Biolabs; and M. Arai and teaching graduate courses.

The laboratory course will be taught by G. Squiggins, R. Moore, and V. Churney. Fee: $300.00. For more information contact: Dr. Curt Thies, Room 332, School of Pharmacy, University of California at Berkeley, Berkeley, CA 94720-3140. FAX: 510-643-7727. The course will be held on January 22, 23, 24, and 25, 1995. Graduates will receive a Certificate of Training. For more information contact: Dr. Curt Thies, Room 332, School of Pharmacy, University of California at Berkeley, Berkeley, CA 94720-3140. FAX: 510-643-7727.
The Biomedical Primate Research Centre (BPRC) of The Netherlands is an independent organisation undertaking a number of activities previously carried out by TNO, the Netherlands organisation for applied scientific research. BPRC is a partner in the European network of primate centres (EUPREN).

The common denominator linking these activities is non-human primates: about 1000 rhesus monkeys and 120 chimpanzees. These laboratory animals are housed in a large centre, where each stage in the laboratory animal cycle is overseen, including breeding, research under strict supervision and all other aspects of colony management.

BPRC's internationally respected staff conducts research into diseases affecting the immune system and infectious diseases (including AIDS, malaria and MS), using non-human primates, both on a commercial and an academic basis.

The total number of employees is 75. The turnover of BPRC is approximately NLG 13.5 million. Around 65% of the operating costs are covered by various European Union and Dutch government subsidies. 35% of the operating costs will need to be covered by revenue from contract research.

The General and Scientific Director is the chairman of the management team. Other members of the management team are the Commercial Director, the head of the Biotechnology Department and the head of the Facilitating Department.

As General and Scientific Director you will need to be able to combine scientific and managerial skills. You should have a proven scientific reputation in the field of biology, medicine or pharmacy. Demonstrable experience in enterprise and leadership at a senior level is essential. A well-developed personal network will be an advantage. Personal qualities required are powerful, visionary leadership and entrepreneurial skills. You will have an inspiring, stimulating, charismatic personality; be a team worker rather than an individualist and have fund-raising capabilities.

Further particulars about this position can be obtained from Mr J. Nolten, Interim Manager, on phone nr. +31 15 84 30 13. Applications should be sent to Wilmar & Noorhoff, for the attention of Mr B.M. Wilmar, Vondellaan 23, 5611 NX Eindhoven, The Netherlands, phone +31 40 11 05 75.
We need a Pharmacologist who enjoys working with people.

Molecular Devices is a California-based company that manufactures advanced bioanalytical systems for the pharmaceutical and research industries. We have a position available as a Technical Training and Support Specialist for our newest product, the Cytosensor Microphysiometer System which can monitor receptor-mediated responses of living cells.

You will give technical seminars and on-site demonstrations, conduct experiments to evaluate specific cells and effector agents, prepare technical application notes/support materials and provide customer technical training and support.

An MS in pharmacology, cell biology or a related field with 3+ years' experience or a PhD with 1+ years' experience in the pharmaceutical or research environment required in one or more of the following areas: pharmacology, signal transduction processes or molecular biology (receptor transfections and binding studies). Cell culture experience, excellent written/verbal skills and a desire to work with people are a must.

Molecular Devices offers a competitive compensation and benefits package. Please address inquiries plus resume to: Professional Staffing, Molecular Devices Corp., 1311 Orleans Drive, Sunnyvale, California, 94089, FAX (408) 747-3601.

EOE.

Group Leader, Biology of Cancer

You will recruit, coordinate and direct the scientific activities of an integrated research group of professional scientists, and contribute to the planning and implementation of new biological research strategies, in the search for new anticancer drugs.

As a senior scientist, you will draw on your extensive scientific management experience to develop and maintain the values of the Company through leadership and example. We are looking for a scientist with a PhD in either Biochemistry, Cellular Biology or Molecular Immunology, coupled with several years of specialization in membrane receptors, signal transduction mechanisms, or cyclic-dependent kinases with respect to cancer biology. In addition to hands-on experience with standard molecular biology tools, experience with functional cellular models of angiogenesis and/or metastasis will be considered an asset.

Research Scientist, Molecular or Cellular Biology of Cancer

We are highly interested in a scientist with a PhD and postdoctoral specialization in membrane growth factor receptors, signal transduction, tyrosine kinase and/or phosphatases, or apoptosis mechanisms. Comfortable working with others, you will work on the mechanism and testing of new drugs involved in modulating signal transduction in normal and transformed cells.

You should possess skills in standard molecular biology, including cloning sequencing and PCR; DNA library construction; and mammalian cell culture. A background in protein chemistry and biochemistry is desirable.

If you share our commitment to excellence and demonstrate a capacity for teamwork, kindly send your resume, quoting the position title you are interested in, to Human Resources Department, BioChem Therapeutic inc., 275 Armand-Frappier Blvd., Laval, Quebec H7V 4A7.

We offer a competitive salary, a full range of benefits and equal employment opportunities to all.

HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF BIOLOGY

Faculty Positions
The Hong Kong University of Science and Technology is a publicly funded research university with strong graduate programmes. Applications are invited for faculty positions at all ranks in the Department of Biology. Applicants must have a Ph.D. degree, postdoctoral experience, and the ability to establish an independent research programme. The successful candidate will join active research efforts in the areas of molecular and cellular biology, neurobiology, developmental biology, tumor biology, plant biology, marine biology and environmental science. The Biology Department currently has 21 faculty members, but will grow to 30 in a few years. The department is well-equipped with modern facilities. Start-up funds are available.

Generous fringe benefits including medical and dental benefits, annual leave and children’s education allowances are provided. Housing benefit and air passages where applicable are also provided; initial appointments will be on a 3-year contract; a gratuity of 25% of the total basic salary drawn will be payable upon successful completion of contract; reappointment after the initial contract will be subject to mutual agreement.

Applicants should send curriculum vitae, a short statement of research interests, and the names of 3 references to: The Recruitment Committee, Department of Biology, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong. FAX: (852) 358-1559.

Faculty Positions in Quantitative Genetics and Genetic Epidemiology
Department of Genetics and Molecular Medicine
Emory University School of Medicine

The Department of Genetics and Molecular Medicine is seeking faculty in the fields of quantitative genetics and genetic epidemiology. The department has special interest in individuals with experience in human population genetics, the quantitative relationships between genetic and environmental factors in human disease, and/or the development and application of statistical tools in human genetics. The current department faculty interests in related areas include gene mapping through linkage analysis, delineation of genetic mechanisms of complex disorders including non-Mendelian inheritance, studies of inborn errors of metabolism, mechanisms of chromosomal abnormalities, the population genetics and evolution of the mitochondrial genome, and studies of developmental genetics using mouse models. In addition to developing an active and competitive research program, the successful candidate will be expected to participate in the teaching of medical and graduate students. Newly renovated office and laboratory space within the department is available as part of the expanding biomedical research programs on campus. Interactions with the School of Public Health at Emory and the Centers for Disease Control and Prevention provide exciting research opportunities.

Candidates should send their curriculum vitae, their research goals and names of three references to: Stephanie L. Sherman, Ph.D. and Douglas C. Wallace, Ph.D. Department of Genetics and Molecular Medicine 1462 Clifton Road, N.E. Emory School of Medicine Atlanta, GA 30322

Emory University is an Equal Opportunity Employer.
In my lab, we are working towards developing models for human diseases using the modern tools of genetics. The research environment and the support we enjoy are superb...

Sergio Lira, Head of the Transgenic Unit, Bristol-Myers Squibb, Princeton.

We find the creative application of biophysical techniques to development of biotherapeutics very exciting..

Bioprocess Research Department, Seattle: Carole Spangler, Research Investigator; Chris Phillips, Associate Research Scientist; Terrence Gallman, Lab Technician

Microinjection Specialist
Transgenic Mouse Unit
Princeton, NJ

Currently, we have an opportunity available for an individual with extensive experience in generating knock-out and transgenic mice via microinjection. In addition to microinjection work, you will be expected to participate in a research program focusing on the development of animal models for human diseases. Qualified candidates will have a B.S./M.S. in Molecular Biology, Immunology or related life sciences, and a minimum of two years experience in the generation of knock-out and transgenic mice via microinjection. In addition, previous experience in embryonic stem cell culture, routing techniques in molecular biology and/or immunology will be considered an asset. Successful candidates will be highly dedicated with strong organizational skills.

Please fax/forward resume to: Bristol-Myers Squibb Pharmaceutical Research Institute, Human Resources, Dept. BM-888, P.O. Box 4000, Princeton, NJ 08543-4000.

Group Leader
Bioprocess Research
Seattle, WA

This is an exceptional opportunity to lead a diverse group of scientists (B.S.-Ph.D. levels) in the development of analytical techniques and assays. Your background should demonstrate considerable experience in the development of a variety of assays (e.g., ELISAs, HPLC, PAE, IEF, FACE, bioassays, etc.) to quantitate and characterize recombinant proteins in a process research environment. The ability to discover, evaluate and implement new technologies for the evaluation/characterization of recombinant proteins is necessary. Familiarity with laboratory automation and physical biochemical techniques would be a plus. Candidates should have 5-10 years post-doctoral experience in an industrial setting. An M.S. or Ph.D. in an appropriate scientific discipline (i.e., Biochemistry, Biology, etc.) is a prerequisite.

Please forward your resume to: Bristol-Myers Squibb, Human Resources, Dept. 94-0286, 3005 First Avenue, Seattle, WA 98121.

Bristol-Myers Squibb
Equal Opportunity Employer, M/F/D/V
INTERNATIONAL RICE RESEARCH INSTITUTE

Position announcement for
Insect Ecologist

The International Rice Research Institute (IRRI) is seeking a highly motivated, dynamic, and creative entomologist to join its multidisciplinary research team.

Based at the Institute's headquarters in Los Banos, Laguna, Philippines, the entomologist will initiate innovative research on improving the capacity of rice-based ecosystems to naturally regulate insect pest populations. Major responsibilities will be to develop and evaluate ecological management options that sustain low pest populations, develop tools to improve understanding of the role of biodiversity in insect pest management, and collaborate with and train scientists in national agricultural research systems.

Candidates should have a PhD in entomology and a proven record of field-based biological control of rice insect pests. Experience of recent years of postdoctoral research on insect community ecology. Experience in tropical entomology, preferably in rice, is desirable. Fluency in English is essential.

IRRI is known worldwide as a center of research excellence dedicated to generating and disseminating rice-related knowledge and technologies that are environmentally, socially, and economically sound and that benefit present and future generations of rice farmers and consumers, particularly those with low incomes. Founded in 1960, the Institute is one of 18 autonomous, nonprofit international agricultural research centers supported by the Consultative Group on International Agricultural Research (CGIAR).

Salary and perquisites are internationally competitive. The appointment is on a fixed-term basis; renewal is contingent upon performance.

Send curriculum vitae, date of availability, and names and fax numbers of three references by 31 October 1994 to:

Dr. Klaus Lampe, Director General
International Rice Research Institute
P.O. Box 933, Manila 1090, Philippines
Tel: 63-2-818-1926; Fax: 63-2-818-2087
Telex: 40890 RICE PM

IRRI provides a gender-sensitive work environment and encourages women to apply.

Please refer to Code IR-IE-006.

SULTAN QABOOS UNIVERSITY—SULTANATE OF OMAN

Sultan Qaboos University, the National University of the Sultanate of Oman, invites applications for Head of Department of Soil and Water Sciences, College of Agriculture.

The incumbent will provide leadership for the overall organization and administration of teaching, research and service activities of the Department. The successful candidate is expected to develop, improve, promote, and stimulate quality and relevant academic programs in the Department, and to provide leadership and inspiration to the staff and students to pursue high standards of learning and scholarship. The incumbent is also responsible for the selection, training, assignment and evaluation of personnel; planning and budgeting for facilities and equipment; recommending the hiring, promotion, termination or discipline of staff; liaison with relevant departments in the University and government agencies and private sectors; exploiting extramural support and collaborative research; and implementing research projects and disseminating research findings.

Applicants should possess a Ph.D. degree in soil sciences, water resources, or related fields from a reputable university, with professional credentials of a high order, sufficient to meet the criteria for full professorship. Candidates with at least 10 years of experience in a full-time appointment on the academic staff of a recognized and reputable academic institution, who have demonstrated the professional growth and potential for leadership, are desirable.

Salaries are paid free of tax in the Sultanate of Oman. The University provides free furnished accommodation, an allowance to cover electricity, water and gas, and free medical treatment. There is a contribution to school fees for up to two children. First class air fare is paid annually for leaves of incumbrance, and up to three children under 18 years old to the international airport closest to the place of recruitment. The leave is 60 days per year. Renewable contracts are offered every two years and end of contract gratuity is paid.

Interested candidate should provide complete resume, quoting our Ref: ADV/AGRI/04/94, to:

The Director, Personnel Affairs
Sultan Qaboos University
P.O. Box 50, Al-Khoud 123
Sultanate of Oman
Phone: (968) 515007
Fax: (968) 513255

Closing date for applications is January 31, 1995 or until a suitable candidate is identified.

POSTDOCTORAL FELLOW

Program Resources, Inc. (PRI), a DynCorp subsidiary, has a challenging opportunity for a Molecular Biologist in the Structural Biochemistry Program (SBP) at the NCI's Frederick Cancer Research & Development Center located in Frederick, Maryland.

The SBP is a multidisciplinary research program that is focused on basic research problems related to structure-based drug design. Experimentalists in the fields of synthetic chemistry, protein crystallography, molecular biology, biochemistry and biophysics work together with theoreticians in quantum, physical and computational chemistry as well as computational biologists to attack a variety of challenging problems ranging from the design and synthesis of drugs against macromolecular targets of relevance to AID, cancer and other human diseases, to understanding the structural basis of drug binding affinity and drug resistance.

The successful candidate will prepare recombinant proteins for crystallographic, biochemical and biophysical analysis by the Structural Biochemistry Laboratory, collaborate with other scientists in the program, and play a key role in ongoing structure-function studies related to questions of drug binding affinity, drug resistance, and enzyme kinetics and catalysis. Prospective candidates should have a Ph.D. with expertise in modern cloning and mutagenesis techniques, experience with developing and using expression systems suitable for structural biology research, and be capable of working independently. Postdoctoral appointments generally run two-to-three years with the possibility of renewal and the potential for conversion to a staff position for highly productive and outstanding candidates. PRI offers an attractive salary and benefits package, including insurances, 401(k) savings plan, relocation assistance, and more. For consideration, forward CV with references to Barbara J. Norton-Gill, Technical Recruiter.

PROGRAM RESOURCES, INC., a DynCorp subsidiary
NCI-FGRDC
P.O. Box B
Frederick, MD 21702
EOE, M/F

BILOGY FACULTY

William Rainey Harper College is a comprehensive two-year community college located in Chicago's northwest suburbs which services more than 27,000 students of all ages. The College supports and encourages the development of multicultural perspectives, the celebration of diversity and the recognition of different learning styles. A full time tenure track Biology faculty position is available for the Fall 1995 semester.

The position requires a minimum qualification of a Master's degree in Biology and demonstrated teaching competency in general education and Biology major courses as well as Anatomy, Physiology and Microbiology which support the health career education programs.

The College seeks candidates who have had multicultural experience and who can demonstrate a commitment to diversity and multiculturalism. Please submit a letter of interest and resume to: Director of Personnel, William Rainey Harper College, 1200 W. Algonquin Rd., Palatine, IL 60067. Applications will continue to be accepted until the position is filled. Harper College is an Equal Opportunity, Affirmative Action Employer which encourages applications from women, minority group members and persons with disabilities.
Mercator Genetics is an emerging biopharmaceutical company leading the commercialization of recent advances in human genetics. The company is pioneering the discovery of new human therapeutic and diagnostic products for common diseases based upon the fundamental role that specific genes play in these serious diseases.

**Senior Scientists**

Positions are available for established scientists who can assume responsibility for the management and completion of high profile projects. Qualified candidates will possess a Ph.D. or M.D. and have a strong record in human molecular genetics and related areas of research. A minimum of four years of supervisory experience following a Post Doctorate is required.

**(JOB # S-1007-S)**

**Scientists**

Positions are available for scientists with a Ph.D. and Post Doctoral experience in human molecular genetics, molecular biology, cell biology or related research. Mercator has established a dynamic group of scientists and is looking for creative individuals to make significant contributions to our team.

**(JOB # S-1007-PD)**

**Research Associates**

Positions are available for experienced research personnel. Backgrounds should include BS/MS in Human Genetics, Molecular Biology, Cell Biology or related fields. Qualified candidates will have at least two years lab experience and should be well versed in several of the following disciplines: cloning, library construction and screening, Southern hybridization, tissue culture, PCR, and DNA sequencing. Specific experience with automated sequencers and UNIX highly desirable.

**(JOB # S-1007-RA)**

**Bioinformatics**

Scientist/Mathematician

A position exists for an experienced scientist/mathematician with a Ph.D. in mathematics to provide computational solutions associated with human genetic analysis. You will develop algorithms for DNA sequence analysis, gene prediction and statistical disequilibrium calculations. Experience with UNIX, human genetic analysis and demonstrated programming skills required.

**(JOB # S-1007-BS)**

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In addition to an exciting and challenging research environment, Mercator offers competitive salaries and benefits, employee stock option plan, and an attractive San Francisco Bay Area location. For consideration, please send resume with cover letter to: Mercator Genetics, Inc. Human Resources Department - Job#, 4040 Campbell Ave., Menlo Park, CA 94025. Mercator Genetics is an Equal Opportunity Employer.
Program Officer

The Board on Assessment of the National Institute of Standards and Technology (NIST) Programs is seeking a qualified individual for a Program Officer position. Qualifications include a Ph.D. or equivalent in Engineering, Physical Sciences, or Mathematics, with a broad and/or interdisciplinary background; and at least one year of relevant experience beyond the doctorate. Duties include assisting the Director in identifying and appointing members for the Board and its major Panels, organizing and conducting meetings, assisting Board and Panels in gathering data for and preparing assessment reports, managing reports through publication, acting as liaison between Board and Panels and NIST management, overseeing special analysis, and assisting the Board Chair in congressional testimony and other presentations. The successful candidate must be able to interact professionally with scientific and engineering professionals from a variety of disciplines and backgrounds, possess exceptional written and oral communication skills, have the self-confidence and poise necessary to interact with leading scientists and engineers, as well as government officials and policy makers, be strongly self-motivated and dependable, and comfortable in a computerized office environment. Industrial experience or significant industrial contact, or experience/demonstrated interest in technology policy desirable. Please send resume in confidence to: NRC/CPSMA, NIST-HA 550 (DZ), 2101 Constitution Avenue, NW, Washington, DC 20418. EOE

CytRx Corporation

Innovative Technology

CytRx Corporation is a research based pharmaceutical company pioneering the development of critical care therapeutics based on agents which alter surface characteristics of cells and molecules. Our diversified product pipeline includes potential treatments for cancer, vascular & infectious diseases, and burns. Our unique niche has resulted in our rapid growth and impressive success. Well capitalized and poised for growth into new areas of biopharmaceuticals, we are seeking to add to our talented scientific staff. Currently 80% of our personnel are dedicated to research and development.

Our scientists and technical professionals enjoy a highly competitive salary, excellent benefits, stock options and a dynamic environment that fosters achievement. Our brand new 20,000-square-foot research facility is located in a beautiful suburban location with a low cost of living, excellent school system and an exceptional quality of life just outside the cosmopolitan city of Atlanta, home of the 1996 Olympics.

PROJECT DIRECTOR

We seek an experienced, hands-on pharmaceutical development professional to oversee project management for oncology, infectious diseases and topicals. Our candidate will have an appropriate advanced degree and 5-7 years’ experience that reflects proven success in establishing, implementing and managing pharmaceutical development projects. Your background should include at least 2 years’ experience in project development for new business applications. Must have a solid understanding of FDA regulations, including IND/NDA processing.

Please send resume/CV to: CytRx Corporation, Human Resources, 154 Technology Parkway, Norcross, GA 30092. An Equal Opportunity Employer.

Mark 4 November 1994 on Your Calendar!

Get Bonus Distribution to Minority Scientists with the Science Education Issue.

The unique challenges facing minority scientists begin with education. Place your full page recruitment advertisement in the 4 November 1994 issue of SCIENCE and reach minority candidates. The Science Education issue gets bonus distribution at these distinguished minority universities and organizations:

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  - University of Hawaii
  - University of Puerto Rico-Recinto de Ciencias
  - Wayne State University
  - SUNY/College at Old Westbury

- Minority Access to Research Careers
- National Hispanic Leadership Conference
- National Network of Minority Women in Science
- National Organization for the Advancement of Black Chemists and Chemical Engineers
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Advertising Deadline: 18 October 1994

To advertise call Janis Crowley in the U.S. at (212) 496-7704 or fax to (202) 682-0816. In Europe, call Gordon Clark (44) 0223 302067 or fax to (44) 0223 302068.
ASSISTANT PROFESSOR
HARVARD MEDICAL SCHOOL
DEPARTMENT OF CELL BIOLOGY

The Department of Cell Biology invites applications for a tenure track Assistant Professor. We are seeking individuals with strong research accomplishments and outstanding promise. Applicants should have proven expertise in applying modern approaches to problems in cell or developmental biology. Successful candidates will be expected to maintain a vigorous, externally funded research program and to participate in the teaching of medical and graduate students. Harvard University is committed to increasing the number of women and minorities among its faculty, so applications from such candidates are especially encouraged.

Applicants should submit a curriculum vitae and a brief statement of research accomplishments and future objectives, and arrange to have three references sent by December 1, 1994.

Dr. Marc Kirschner Chair
Dept. of Cell Biology
Harvard Medical School
25 Shattuck Street
Boston, MA 02115

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The Perfect Environment for the World's Most Advanced Research.

Los Alamos National Laboratory is the birthplace of many of the technologies which drive the technical and economic advancement of our country. At Los Alamos, this starts with research into the basic sciences and engineering disciplines and extends to a myriad of innovative programs and projects.

The Spectroscopy and Biochemistry Group of the Chemical Science and Technology division currently has the following openings:

**Staff Members**

- Candidate will conduct research in the area of structural biochemistry with an emphasis on x-ray and neutron solution scattering methods used in conjunction with isotope labeling and complimentary spectroscopic techniques. Primary responsibilities will be to carry out independent research, plan new initiatives consistent with the Group, division and Laboratory missions, develop funding for new initiatives, and direct personnel working on them. A major focus of the group is the study of biomolecular structure and mechanisms using spectroscopy, scattering and isotope labeling techniques.

The successful applicant should have a PhD in Chemistry, Biochemistry, Biophysics, Physics, or a related field, a minimum of 3 years post doctoral experience, an established record of technical expertise in scattering and isotope labeling techniques applied to biomolecular structure determination and in the development of computational tools for structural data analysis and interpretation, as well as experience in using spectroscopic techniques and complement scattering experiments. This expertise should be evident in a body of significant publications in the refereed literature.

102460-94048 must be referenced when applying for this position.

- Candidate will develop new imaging technology based on mechanical detection of magnetic resonance signals. Primary responsibilities will be the development of technology necessary for implementation of an NMR lab force microscope, carry out independent research using the instrument with emphasis on structure/function studies in biology, plan new initiatives consistent with Group, Division and Laboratory missions, develop funding for new initiatives and direct personnel working on them.

The successful applicant will have a PhD in Physics, Chemistry, Biophysics or related field or equivalent combination of education and experience. Must have expertise in the development and application of novel NMR techniques to studies of biological or solid state systems. Knowledge of imaging techniques, NMR pulse sequence development and force microscopy techniques employing micromechanical structures and fiber optic interfero-metry also required.

102058-94048 must be referenced when applying for this position.

To formally apply for these positions, interested candidates should forward a resume to Marcia Lujan (MS P207), Human Resources Division, Los Alamos National Laboratory, Los Alamos, NM 87545. Affirmative Action/Equal Opportunity Employer. Individuals with disabilities needing reasonable accommodation should call (505) 667-8911. A Teletype Device for the Deaf (TDD) is available by calling (505) 665-5357. Los Alamos National Laboratory is operated by the University of California for the U.S. Department of Energy.

Los Alamos
NATIONAL LABORATORY

Faculty Positions in
Human Genetics and Gene Therapy
Department of Genetics and Molecular Medicine

Emory University School of Medicine

The Department of Genetics and Molecular Medicine is seeking M.D. or Ph.D. faculty interested in the molecular basis and treatment of human disease. Areas of special interests include novel genetic mechanisms of disease such as multifactorial inheritance, imprinting, genomic instability and in new approaches to treatment including gene therapy. Current department faculty interests include inborn errors of metabolism, quantitative and population genetics, origins and mechanisms for chromosomal abnormalities, mitochondrial genetics, mammalian germ cell development, development of mouse models of disease, and gene therapy. Most appointments will be at the Assistant Professor level, although more senior individuals will also be considered at their appropriate rank. In addition to developing an active and competitive research program, the successful candidate will be expected to participate in teaching of medical and graduate students. Newly renovated office and laboratory space within the department is available as part of the expanding biomedical research programs on campus.

Candidates should send their curriculum vitae, their research goals, and the names of three references to:
Dean J. Danner, Ph.D. and
Douglas C. Wallace, Ph.D.
Department of Genetics and Molecular Medicine
1462 Clifton Road, N.E. Room 429C
Emory University School of Medicine
Atlanta, GA 30322

Emory University is an Equal Opportunity Employer
Faculty Positions in
ENVIROMENTAL MICROBIOLOGY/MICROBIAL
ECOLOGY AND ENVIRONMENTAL CHEMISTRY
Department of Civil and Environmental Engineering
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

The department is extending the deadline, and broadening
the scope of its ongoing searches in these disciplinary areas. Applicants who have responded to previ-
ous advertisements in these areas will receive full
consideration. Both positions are tenure-track faculty
appointments in the Ralph M. Parsons Laboratory.

Environmental Microbiology/Microbial Ecology: The
candidate must have a strong background in microbi-
ology, with an emphasis on microbes in the natural
(including man-made) environment. We will entertain
applications of candidates from diverse fields of inter-
ests such as microbial population dynamics, biogeo-
chemistry of soils, freshwater marine systems, con-
taminant biodegradation and environmental biotechn-
ology. Experience using the tools of molecular biol-
ogy is essential.

Environmental Chemistry: The candidate should have
a strong background in the inorganic chemistry of
natural waters. Expertise in areas such as the following
would be attractive: biogeochemistry, nutrient cy-
cling, metal/humic interactions, photochemistry, su-
face chemistry etc. Candidates from diverse profes-
sional areas such as environmental engineering, geo-
chemistry, limnology, and oceanography are encour-
aged to apply.

The candidates for both positions should have an inter-
rest in interdisciplinary work and in interacting with
other faculty members at MIT working on prob-
lems in fluid flow and transport, oceanography, lim-
ology, environmental remediation, ecology, and tox-
icolgy. The candidate will be expected to develop
a strong sponsored research program, and teach basic
and advanced subjects in her/his area of expertise.

Applicants should send curriculum vitae, description
of teaching and research interests, and a list of referees
to: Prof. Harold Hemond, Director, Ralph M. Parsons
Laboratory, Department of Civil and Environmental
Engineering, 48-311 MIT, Cambridge, MA 02139.
Closing date for applications: Dec. 15, 1994. MIT is an
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Assistant Professor

The Division of Human Retrovirology at the Dana-Farber Cancer Institute and the
Department of Pathology, Harvard Medical School seek applicants for a tenure-track faculty posi-
tion at the Assistant Professor level. The applicant must have a Ph.D. or M.D. with postdoctoral
experience and a strong record of accomplishment in research. The individual will be
expected to develop a competitive independent research program in basic aspects of primate or
human immunodeficiency virus replication or pathogenesis, and to participate in teaching activities
within the graduate and medical school programs.

Applicants should send curriculum vitae, three letters of recom-
men dation and a brief statement of research interests to:
Joseph Sodroski, M.D.,
Division of Human Retrovirology
Dana-Farber Cancer Institute
44 Binney Street
Boston, MA 02115
An Affirmative Action/ Equal Opportunity Employer.
Junior and Senior Faculty Positions Available
Center for Molecular Medicine
Institute of Biotechnology
Department of Cellular and Structural Biology
The University of Texas Health Science Center at San Antonio

The new Center for Molecular Medicine at the University of Texas Health Science Center at San Antonio invites applications for tenure track/tenured faculty positions, one at the junior level (Assistant Professor) and one at the senior level (Associate or Full Professor). Outstanding researchers in all areas of eukaryotic molecular and cellular biology will be considered. Applicants at the junior level should have a Ph.D. or M.D. degree with at least two but preferably three to four years of post-doctoral experience. Applicants at the senior level should have a Ph.D. or M.D. degree, and a well established program of independent research. The positions provide exceptionally competitive salaries, generous start-up funds and laboratory space in the attractive, highly interactive and modern research environment provided by the Center, which is housed in the recently constructed Institute of Biotechnology (see Nature, Vol. 357, No. 6380).

Interested individuals should submit a curriculum vitae, a statement of research accomplishments and objectives, reprints of recent articles, and the names and addresses of three references.

Application materials for the junior faculty position should be sent to:
Dr. Alan Tomkinson
Junior Faculty Search Committee
Center for Molecular Medicine/Institute of Biotechnology
The University of Texas Health Science Center at San Antonio
15355 Lambda Drive
San Antonio, TX 78245-3207

Application materials for the senior faculty position should be sent to:
Dr. Eileen M. Lafer
Senior Faculty Search Committee
Center for Molecular Medicine/Institute of Biotechnology
The University of Texas Health Science Center at San Antonio
15355 Lambda Drive
San Antonio, TX 78245-3207
The University of Texas Health Science Center at San Antonio is an Equal Opportunity/Affirmative Action Employer.

RESEARCH OPPORTUNITIES IN ANALYTICAL BIOCHEMISTRY

The Analytical Biochemistry Department of Pioneer Hi-Bred International, Inc., is seeking applicants for our ongoing program of crop improvement. Pioneer offers competitive salaries, excellent facilities and a highly cooperative research environment.

SENIOR RESEARCH ASSOCIATE,
NUCLEIC ACID ANALYSIS
(Job #1386-J)

Primary responsibilities of this position will be to coordinate and conduct nucleic acid analysis of transgenic plants from various projects. This person will conduct experiments, supervise research associates involved in the same types of analysis, and communicate the results. Troubleshooting and development/testing of new techniques is also important.

EDUCATION/EXPERIENCE: MS degree or equivalent in molecular biology, biochemistry, or related field plus 2 years of relevant research experience is also required. Applicants should have experience in nucleic acid analysis (Southern, PCR, RNA analysis), preferably in transgenic plants, along with experience with computers and statistical analysis. Strong communication skills are essential, and supervisory experience is preferred.

Applications received by October 28, 1994 will be assured of consideration. However, applications will be considered until the position is filled.

Pioneer Hi-Bred International, Inc. is an Equal Opportunity employer. Please send TWO complete sets of resume/application information. Be sure to indicate in your correspondence the JOB #, along with the names, addresses and telephone numbers of three references to:

PIONEER HI-BRED INTERNATIONAL, INC.,
Analytical Biochemistry Department
ATTN: Dawn M. Meyer, Job #1386-J
P.O. Box 1004, 7300 NW 62nd Avenue
Johnston, IA 50131-1004

ANALYTICAL CARBOHYDRATE CHEMIST
(Job #1621-A)

Pioneer Hi-Bred International, Inc., a Fortune 500 company and a recognized world leader in the genetic modification of agronomic crops, has an immediate opening for an Analytical Chemist specializing in carbohydrates.

Pioneer conducts extensive carbohydrate modification programs in several plant species as part of the company’s long term strategy to provide value-added traits in its seed products. The Analytical Carbohydrate Chemist will play a major role in this effort by providing research and testing expertise. Primary responsibilities of this position will be the development and implementation of new high throughput analysis techniques in the areas of sugar, glucan, and starch (structural and functional) analysis, plus supervision of a routine testing laboratory, which supports numerous plant breeding and molecular biology projects.

EDUCATION/EXPERIENCE: A Ph.D. in Biochemistry or equivalent experience is required. The ideal candidate will have at least two years experience in carbohydrate analysis research and laboratory management. Extensive experience with various types of spectroscopy (including NIR and NMR), chromatography and cereal chemistry, plus good communication and teamwork skills are important.

Pioneer is an equal opportunity employer providing a competitive salary, relocation assistance, excellent benefits, plus cooperative work environment. Applications received by November 4, 1994 will be assured of consideration. Please send TWO complete sets of resume/application information. Be sure to indicate in your correspondence the JOB #, along with the names, addresses and telephone numbers of three references to:

PIONEER HI-BRED INTERNATIONAL, INC.,
Analytical Biochemistry Department
ATTN: Dawn M. Meyer, Job #1621-A
P.O. Box 1004, 7300 NW 62nd Avenue
Johnston, IA 50131-1004

Technische Universität München, Fakultät für Medizin (Klinikum rechts der Isar)

Chair for Experimental Surgery (C4-Professor)

The medical school of the Technische Universität München is seeking an outstanding candidate to direct the Department of Experimental Surgery. The research program should be directed towards oncology with emphasis on tumor biology and experimental validation of new therapies.

The candidate should have demonstrated excellence in research and teaching. Preference will be given to applicants committed to the exploration of cancer using molecular biology techniques. The successful applicant will be expected to coordinate and supervise interdisciplinary research projects within the department and to participate in teaching of medical students and postgraduates.

The Technische Universität München is seeking a higher quota of women in Research and Teaching and therefore expects qualified female scientists to apply. International candidates are encouraged to apply.

Candidates should submit curriculum vitae with affixed photograph, list of publications including reprints of the most important ones, diplomas, certificates, references and an outline of current and future research interests until 20 November 1994 to:

Dekan der Medizinischen Fakultät
der Technischen Universität München
Ismaninger Str. 22
D-81675 München
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Improved antisera can advance your research. Immunizing with peptides gives you higher titers and more specific antibodies. Now you can see even better results—with multiple antigenic peptides, or MAPs.

Antisera produced with MAPs contain specific antibodies with a monoclonal nature. Yet they’re much easier to get. You can easily make exactly the immunogen you need with the Synergy Peptide Synthesizer and our special MAP resin.

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