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ASSISTANT PROFESSOR IN MICROBIOLOGY/IMMUNOLOGY

The Department of Microbiology and Immunology at the University of Alabama College of Medicine is seeking applications for a tenure-accruing-track position (12-month appointment) for Assistant Professor. The research area is open, but applicants using modern molecular genetic approaches, with the potential to mount vigorous independent research efforts are sought. Teaching loads are modest, but strong instructional skills are essential. The department has an established core faculty, and additional new research facilities are under construction and development. Excellent, modern facilities and equipment. Additional new research facilities are provided. Applicants should have a Ph.D. or M.D., and postdoctoral experience in molecular or animal biology. Applicants should have broad training in biology and strong commitment to teaching. Duties: teaching cell biology, general biology, graduate courses, developing courses, advising, supervising graduate student research, serving on committees. Submit curriculum vitae, all transcripts, and names of three references to: Mark R. Rehm, Chair, Department of Biological Sciences, University, Sacramento, CA 95819-6077. Applications are encouraged by May 31, 1994. Appointment is expected to begin September 1, 1994.

DEPARTMENT OF BIOLOGICAL SCIENCES, UNIVERSITY OF SOUTHERN UTAH

ANTHROPOLOGY

Applications are invited for an Assistant Professor of Anthropology to begin Fall 1994. The University of Southern Utah is an equal opportunity/affirmative action employer.

CUMULATIVE POSTDOCTORAL FELLOWSHIP IN DNA REPLICATION/REPAIR AND MUTATION

The Department of Genetics of the National Institute of Environmental Health Sciences is offering a postdoctoral fellowship to pursue studies of DNA replication, repair, and mutation in humans following or during in utero exposure to environmental mutagens. The successful candidate will conduct research on human DNA replication, repair, and mutation under the supervision of Dr. J. A. Gruenewald. This position is supported by a grant (CA 43836) from the National Cancer Institute. Interested candidates should send a letter of application, curriculum vitae, and three references to: Dr. J. A. Gruenewald, Division of Cancer Etiology, National Cancer Institute, 6116 Executive Boulevard, Room 2075, P.O. Box 19684, Bethesda, MD 20892. Applications will be considered until the position is filled. NIEHS is an equal opportunity employer.

DEPARTMENT OF BIOLOGY, UNIVERSITY OF WASHINGTON

POSITIONS OPEN

MOLECULAR CELL BIOLOGIST

Tenure-track Professor. Must have Ph.D. requirements completed by September 1, 1994. The position is expected to begin Fall 1995. The successful candidate will have broad experience in molecular cell biology. Preference given to those with experience in plant cell biology and/or molecular plant biology. Applicants should have broad training in biology and strong commitment to teaching. Duties: teaching cell biology, general biology, graduate courses, developing courses, advising, supervising graduate student research, serving on committees. Submit curriculum vitae, all transcripts, and names of three references to: Mark R. Rehm, Chair, Department of Biological Sciences, University, Sacramento, CA 95819-6077. Applications must be postmarked by: 1 March 1994. Appointment is expected to begin September 1, 1994.

DEPARTMENT OF BIOLOGICAL SCIENCES, UNIVERSITY OF SOUTHERN UTAH

ANTHROPOLOGY

Applications are invited for an Assistant Professor of Anthropology to begin Fall 1994. The University of Southern Utah is an equal opportunity/affirmative action employer.
POSITIONS OPEN

RESEARCH FACULTY

The Department of Psychiatry at Northwestern University is recruiting for an endowed faculty position at ASSISTANT/ASSOCIATE PROFESSOR level. Candidates must have capabilities in basic research relevant to neurobiology of bipolar disorder. Range of research interests includes psychobiology, affective disorders, and cognitive neuroscience. Applications are particularly encouraged from women and minority groups.

POSITIONS OPEN

TWO FACULTY POSITIONS MILLIKIN UNIVERSITY

Applications are invited for a BIOCHEMIST and a BIOCHEMICAL GENETICIST faculty position at the ASSISTANT PROFESSOR level. Candidates must have a Ph.D. in biochemistry, genetic engineering, or a related discipline. Appointment at the ASSOCIATE PROFESSOR level is also possible. Candidates should have a demonstrated record of research accomplishments and an ability to establish an active research program in a university setting.

POSITIONS OPEN

MOLECULAR GENETICIST

The Department of Biological Sciences invites applications for a tenure-track position at the rank of ASSISTANT PROFESSOR. Applicants should have a Ph.D. in molecular biology, genetics, or a related field. Exceptional candidates with a background in other relevant fields are also encouraged to apply. The position is located in the Department of Biological Sciences and involves teaching and research responsibilities.

INTERDISCIPLINARY SCIENCE STUDIES

Portland State University invites applications for a tenure-track position at ASSOCIATE PROFESSOR in the Department of Chemistry. The position is available starting August 1994. The successful candidate will have a Ph.D. in Chemistry and will be expected to contribute to the undergraduate teaching program in the department.

QUALIFICATIONS:

Dr. Martin A. R. presents the opportunity for an additional Associate Professor in the Department of Chemistry. This position is expected to begin in the fall of 1994. The qualifications required for this position include a Ph.D. in Chemistry or a related field, and a demonstrated record of research and teaching excellence.

IMAGING SCIENTIST—Ph.D. in Electrical Engineering or Computer Science with postdoctoral work in a UNIX/Linux environment and research experience in medical image analysis with an emphasis on computer vision techniques, image databases and differential geometry. The Imaging Scientist will be expected to establish a research group in the department.

POSITIONS OPEN

GENETIC/MOLECULAR MECHANISMS OF DISEASE

The University of Kentucky, Medical Center, in association with the Tobacco and Health Research Institute (THRI), invites applications for a tenured position in the Department of Chemistry. The successful candidate will have a Ph.D. in Biochemistry and will be expected to contribute to the undergraduate teaching program in the department.

ASST. PROFESSOR, Food Chemistry. The University of Maryland, College Park, will have available mid-August 1994, a 10-month, tenure-track, 50% teaching, 50% research position in the Department of Nutrition and Food Science. Teaching responsibilities include courses in food chemistry, nutrition, and related areas. Applicants should have a Ph.D. in Food Science and a demonstrated record of research and teaching excellence. Applications are encouraged from women and minority groups.

ASISTANT PROFESSOR, Food Chemistry. The University of Maryland, College Park, will have available mid-August 1994, a tenured position in the Department of Nutrition and Food Science. Teaching responsibilities include courses in food chemistry, nutrition, and related areas. Applicants should have a Ph.D. in Food Science and a demonstrated record of research and teaching excellence. Applications are encouraged from women and minority groups.

DEVELOPMENTAL BIOLOGIST

Tenure-track ASSISTANT PROFESSOR opening in fall 1994 for animal developmental biologist working on invertebrate or vertebrate systems, with preference given to those using cellular or molecular techniques. Experience in systems amenable to genetic or transgenic manipulation is also desirable. Primary teaching will be one course a semester alternating among undergraduate animal development, graduate courses, and occasional responsibility for an introductory-level course. Candidates must have a Ph.D. with proven record of good teaching and research abilities. Open rank, with preference given to associate professor level. Salary will continue until position is filled. Send curriculum vitae, publication list, and three letters of recommendation to: Dr. James N. Thompson, Jr., Chair, Department of Zoology, University of Oklahoma, Norman, OK 73019.

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER. OU HAS A POLICY OF BEING RESPONSIVE TO NEEDS OF DUAL-CAREER COUPLES.
Structural Biology at the University of Connecticut Health Center

2 tenure track positions at the junior or senior level are available to expand the existing Biomolecular Structure Analysis Center.

The successful candidates will be expected to develop strong research programs in forefront areas utilizing macromolecular x-ray diffraction or NMR spectroscopy. Funds are available for the purchase of state-of-the-art equipment in each of these areas.

Primary appointments will be made in any of the basic science departments according to the interests of the candidate.

Applicants should submit curriculum vitae, summary of research interests, and names of references to:

Chair, Structural Biology Search Committee
Medical Dean's Office
University of Connecticut School of Medicine
263 Farmington Avenue
Farmington, CT 06030–1915

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Microbial Physiologists

Never has there been a more rewarding time to join Pfizer Inc, Central Research Division. Every day our people are working to discover and develop new products for a healthier world population. As one of the leaders in this dynamic industry, Pfizer Inc, a Fortune 100 company, is committed to continuing its remarkable growth.

In bringing science to life, our international research-based company uses advanced techniques to generate new products, new areas of revenue, and new career opportunities that self-directed, talented people will find stimulating and rewarding.

Currently, we have a need for two innovative scientists with strong backgrounds in microbial physiology to join our Bioprocess Research group and play key roles in the discovery and development of new pharmaceutical agents. As key members of our team, you’ll take responsibility for rapidly improving the fermentation titers of new drug candidates, and for improving the structural diversity of both natural and synthetic products using biotransformation methodology.

Your duties will be accomplished through the application of high throughput and robotic technology and will require an in-depth understanding of biochemical pathways, expertise in titer improvement methodologies, familiarity with statistical methods of experimental design, and a strong commitment to the exploration of new technology. You should have a PhD or equivalent and post-doctoral or industrial experience. Strong communication and interpersonal skills are essential. Experience with automated bench-scale fermentation equipment is highly desirable to assist you in the areas of fermentation process development, scale-up, and preparation of new products for isolation and structural identification.

To learn how you can be a part of the future of Pfizer, send your resume to: Lorraine C. Corr, Supervisor, Employee Resources, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340. An equal opportunity employer.
POSITIONS OPEN

FACULTY POSITION IN ENVIRONMENTAL STUDIES

DEPARTMENT OF BIOLOGICAL SCIENCES, CAMBRIDGE UNIVERSITY

The Department of Biological Sciences at Cambridge University invites applications for a tenure-track position in the area of Environmental Science and Technology. The successful candidate will be expected to develop an active research program involving interdisciplinary research and to teach undergraduate and graduate courses in environmental science and technology. Applications are encouraged from candidates with a strong background in environmental science and technology, particularly in areas such as environmental chemistry, ecology, and resource management. The successful candidate will be expected to establish a research program that is innovative and relevant to current issues in environmental science and technology. Applications should be submitted by January 15, 2004, to: Chair, Search Committee, Department of Biological Sciences, Cambridge, MA 02139. "Affirmative Action/Equal Opportunity Employer and encourages applications from women and men of all races."
SENIOR FACULTY POSITIONS:
BIOMEDICAL IMAGING
HARVARD-MIT DIVISION OF
HEALTH SCIENCES AND TECHNOLOGY

The Massachusetts Institute of Technology seeks to appoint two senior faculty members to establish a major new academic and research program in the area of biomedical imaging, with emphasis on NMR imaging and in vivo spectroscopy. The program will be based at MIT in the Harvard-MIT Division of Health Sciences and Technology (in collaboration with the Francis Bitter National Magnet Laboratory). In addition to conducting active independent research program, these faculty members will have major responsibilities in the education of MIT and Harvard students who are preparing for careers as scientists, engineers, and physicians working at the forefront of technology and biomedicine. The primary faculty appointments will be made in HST. Research and educational collaborations are encouraged with the HST Clinical Research Center, academic departments in the MIT Schools of Engineering and Science, and with faculty at Harvard Medical School and its affiliated teaching hospitals.

Qualified applicants should send curriculum vitae and a statement of research and teaching objectives. Reprints of up to three representative publications may accompany the application. Applications from women and underrepresented minorities are particularly encouraged.

Address for responses:
Professor Nelson Y.S. Kiang, Chairman, Search Committee
c/o Ms. Joanne Sorrento
Room 20A-129
Massachusetts Institute of Technology
77 Massachusetts Avenue
Cambridge, MA 02139

The closing date for applications is March 1, 1994. MIT is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN MAMMALIAN DEVELOPMENTAL GENETICS
UNIVERSITY OF FLORIDA
COLLEGE OF MEDICINE

The Center for Mammalian Genetics and the Department of Immunology and Medical Microbiology in the University of Florida College of Medicine invite applications for a tenure-track faculty position at the level of Assistant Professor. The successful applicant will have his/her primary appointment in the Department and will join 23 Center faculty with diverse interests in mammalian genetics. Applicants should have research interests in any of the following areas: embryonic manipulations, gene ablation, gene therapy, and transgenic development. The Center and Department are housed in the recently opened Academic Research Building, and the appointee will have excellent laboratory facilities, a competitive salary, an attractive start-up package, and access to outstanding state-of-the-art molecular genetics facilities. This is an interdisciplinary appointment designed to encourage extensive interaction with faculty throughout the College of Medicine and University of Florida. Candidates should have a Ph.D. and/or M.D. degree with strong research training in molecular and development mammalian genetics, including post-doctoral experience. A curriculum vitae, a description of research experience and interests, and three letters of reference should be sent to: Edward K. Wakeland, Ph.D. Director, Center for Mammalian Genetics, College of Medicine, University of Florida, Gainesville, FL 32610-0215. The closing date for submission of completed applications is February 15, 1994.

The University of Florida is an Equal Opportunity / Affirmative action Employer and specifically invites and encourages applications from qualified women and minority candidates.

Amgen Inc., a global leader in the biotechnology industry, currently has career opportunities for the following professionals:

Computational Biology Department
COMPUTATIONAL BIOLOGIST

Candidate must have a Ph.D. in Molecular Biology or related field, as well as a general knowledge of diverse gene families and genetic diseases, familiarity with the concepts of relational databases and a minimum of 3 years’ programming experience. Candidate will provide analytical support for a number of molecular biology and molecular genetics projects. Your focus will be on sequence analysis and comparison, communication of the results to bench scientists and the design and assistance with the implementation of tools to accomplish the tasks at hand. Excellent communication skills with non-experts is essential. Familiarity with 4th Dimension for the Macintosh is desired.

(Job Code OA-SC-SC-001)

DATABASE BIOLOGIST

Candidate must have a Ph.D. in Molecular Biology or related field, or a Master’s degree and 5 years of subsequent experience, as well as 2 years’ experience building relational databases and 3 years of general programming experience. Candidate will design, develop and maintain relational databases for a number of molecular and cellular biological projects, and advise other database specialists with the design and implementation of similar databases. You will also determine the needs of experimental biologists and develop suitable databases. Excellent communication skills with non-experts is essential. Familiarity with 4th Dimension for the Macintosh is desired.

(Job Code OA-SC-SC-002)

Developmental Biology Department
RESEARCH ASSOCIATE

Candidate must have a BS/MS degree in biochemistry, molecular biology or related discipline, coupled with 2+ years’ experience in a research laboratory. Experience with ES cell and transgenic technology is highly desirable. (Job Code OA-SC-SS-002)

At Amgen, our staff plays an integral role in maintaining the highest of standards and product excellence. Interested candidates may FAX OR mail their resume to: FAX: (805) 447-1985, Amgen Inc., Staffing, Job Code (See Above), Amgen Center, Thousand Oaks, CA 91320-1789. For additional information regarding Amgen’s recruitment process, please call (805) 447-4150. Please, principals only.

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We are an equal opportunity employer M/F/D/V.
ASSISTANT PROFESSOR OF BIOLOGY—Applications are invited for a tenure-track position in vertebrate paleontology in the Biology Department at the University of Idaho, beginning September 1994. Applicants should have a Ph.D., the ability to establish a research program involving undergraduates, and teaching experience in both biology major and non-science majors, and the ability to teach and/or develop courses such as comparative anatomy, ornithology, mammalogy and animal behavior. Responsibilities include teaching four courses per year, undergraduate research, participation in the introductory General Biology course for majors, and teaching existing courses in (the Biology Department and/or) Natural History. The salary is competitive for a new college for non-majors. Providence College is a Roman Catholic, four-year, liberal arts college conducted under the auspices of the Dominican Order. Applicants should submit a curriculum vitae, transcripts, a statement of teaching philosophy especially as it relates to undergraduate education of majors and non-majors, a brief description of undergraduate research interests, and three letters of recommendation by February 14, 1994, to: Dr. Carol B. Crafts, Chairperson, Biology Department, Providence College, Providence, RI 02918-0001. Providence College is an Affirmative Action/Equal Opportunity Employer.

PROFESSOR OF MEDICINE—The Division of Endocrinology at San Francisco General Hospital is recruiting a clinician scientist for a position as Professor (tenure-track) or Clinical Professor at the University of California at San Francisco (UCSF). Applicants should be Board-certified in Internal Medicine and Endocrinology and be interested in research and clinical investigation. They should have high-level skills in teaching and patient care. Administrative experience is also desirable. Research emphasis should be complementary to current division activities in Hypertension/Vascular Biology or AIDS. UCSF is an Affirmative Action/Affirmative Action Employer. Minorities and women are encouraged to apply. Applications should be submitted to: Evin H. Epstein, Jr., M.D., Professor of Dermatology, Chairperson, Endocrine Search Committee, Building 100, Room 269, San Francisco General Hospital, 1001 Potrero Avenue, San Francisco, CA 94110.

COGNITIVE PSYCHOLOGIST/SCIENTIST—Rank Open—George Mason University (GMU) seeks candidates for a TENURE-TRACK APPOINTMENT to the Department of Psychology including a three-year half-time research appointment to the Krannert Institute for Advanced Study. This position may be considered a career development appointment for an individual judged to be a leading investigator in cognitive science. Candidates should demonstrate high-quality teaching and potential for acquiring external funding in the application of cognitive science. The Krannert Institute is a newly founded research institute with the mission of interdisciplinary study of cognitive science. The Department of Psychology has doctoral programs in applied psychology and experimental psychology. Please send curriculum vitae and three letters of references to: Dr. Jane Flinn, MAIL STOP 3FS, George Mason University, GMU 100, Fairfax, VA 22030. Application review will begin January 2, 1994. No applications will be considered beyond March 1, 1994. GMU is an Equal Opportunity/Affirmative Action Employer.

FIELD BIOLOGY INSTRUCTOR
Department of Environmental, Population, and Organismic Biology
University of Colorado, Boulder

The Department of Environmental, Population, and Organismic Biology seeks applicants for a full-time (9-month) Instructor of Field Biology starting August 1994. The position involves teaching multiple sections of a course in Field Biology for departmental majors. The position is non-tenure-track and emphasizes teaching. Salary is competitive for the time for research. Ph.D. required. Applicants should have experience in ecology, field methods, and natural history, including demonstrable field experience with animal or plant groups in both terrestrial and aquatic environments. Salary will be $24,000 for 9 months; there will also be opportunities for summer teaching. Submit résumé, three letters of reference, and a statement of teaching philosophy by 15 January 1994 to: Field Biology Search Committee, Department of EPO Biology, Campus Box 334, University of Colorado, Boulder, CO 80309-0334. Applications will be accepted until positions are filled. The University of Colorado is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT DEAN FOR UNDERREPRESENTED STUDENTS
COLLEGE OF SCIENCES, SAN DIEGO STATE UNIVERSITY

Half-time, twelve-month position (plus either half-time, nine-month faculty appointment in appropriate science discipline) with teaching, administrative, and recruiting responsibilities in the Department of Biology, geology, mathematics, physics, or psychology. or, half-time position coordinating San Diego State University's Alliance for Minority Participation (AMP) Program. Applicants should have a graduate degree; preferably Ph.D. Responsibilities include coordinating the College's existing traineeship programs, maximizing use of resources, assessing and monitoring trainees, and coordinating trainees. Applications must be submitted by 15 January 1994; position open until filled, but applications will be reviewed starting December 1, 1993. Rank open, with annual salary range to $65,616, depending upon experience. Submit curriculum vitae, a brief description of research interests, teaching philosophy, career goals, and names and addresses of three references to: Dr. Donald R. Short, Dean, College of Sciences, San Diego State University, San Diego, CA 92182-0413. San Diego State University is committed to a diverse workforce and is an Equal Opportunity Title IX Employer.

PROGRAM OFFICER
PRECOLLEGE AND PUBLIC PROGRAMS
The Howard Hughes Medical Institute (HHMI) conducts scientific research in laboratories affiliated with leading academic medical centers in the United States. We are seeking a Program Officer at our national headquarters in Chevy Chase, Maryland, to assist in the administration of our precollege and public science education grants program and in the development of new grants initiatives.

Responsibilities include: overseeing annual review and award cycles; organizing and directing meetings; reviewing payments and budgets to ensure the effectiveness of programs; and providing leadership to projects in science education activities; and reviewing grant proposals from educational institutions.

Qualification candidates must have five years of experience in administration/management. In addition, a strong background in national science education initiatives and management of programs, budgets, and grants is required. A Ph.D. or M.S., preferably in Biology, is required, as well as excellent communication and writing skills.

HHMI offers an excellent salary and a generous, flexible benefits package including health, dental, and retirement plans. Please send your resume to: Howard Hughes Medical Institute, Precollege and Public Programs Depart- ment, 4000 Jones Bridge Road, Chevy Chase, MD 20815-6789. FAX: (301) 215-8937. Principal's only. No telephone calls, please. Equal Opportunity Employer.


FACULTY POSITION—The Department of Obstetrics & Gynecology at the Ohio State University College of Medicine is seeking a Ph.D.-level researcher to join the Division of Gynecologic Oncology. The candidate will have experience in the research area of immunology or molecular biology, and is expected to collaborate with the clinical faculty to develop a successful research program with a focus on immunotherapy with protein vaccine approaches and collaborations. Excellent financial support and supervision available. Send curriculum vitae and contact information to: Dr. Kevin A. McNeel, Chair, Gynecologic Oncology, N500 Means Hall, 1654 Upham Drive, Columbus, OH 43210. Telephone: (614) 294- 5840. FAX: (614) 294-1389. Affirmative Action Employer. Equal Opportunity Employer.

CHAIR IN STONE AGE PREHISTORY AND QUATERNARY ECOLOGY
at the University of Tübingen, Germany

The University of Tübingen (Germany) has an opening for a tenure full professorship of Stone Age Prehis- tory and Quaternary Ecology. The position will involve teaching (in German) and research in the fields of Stone Age prehistory and Quaternary Ecology. The University of Tübingen is an Equal Opportunity/Affirmative Action Employer. It would like to increase the quota of female researchers in particular and therefore encourages candidates to apply. Details about requirements and qualifications should be obtained from: the Dekanat der Geowissen- schaften, Universitätsstraße 18, D-72074 Tü- bingen, Germany; FAX: ++49-7071-296413, where applications are due before January 31, 1994.

BOTANICAL GARDEN DIRECTOR
FAIRCHILD TROPICAL GARDEN seeks appli- cations for the position of DIRECTOR. The Garden is revitalized since Hurricane Andrew and aims to be "the premier tropical botanical garden." An energetic Board of Trustees is launching a $5 million endowment campaign. Director heads a staff of 50, including six Ph.D.s. Annual budget about $3 million. Qualifications: Ph.D. or equivalent; record of leadership and administrative skills; knowledge of care and management of botanical collections. Job open immediately; deadline for applications is March 1, 1994. Includes health benefits should include a resume and the names, addresses, and telephones of at least three references. Send applications to: Search Committee, Fairchild Tropical Garden, 10901 Old Cutler Road, Miami, FL 33156.

DEPARTMENT OF MICROBIOLOGY, MOLECULAR GENETICS AND IMMUNOLOGY
The University of Kansas School of Medicine invites applications and nominations for the Chair of the Dep- artment of Microbiology, Molecular Genetics, and Im- munology. The candidate must be a Ph.D./M.D., with an outstanding record of research accomplishments, commitment to excellence in graduate and medical stu- dent teaching, the capability to offer scientific leadership to a department covering the broad discipline of Microbiology and the commitment to lead the department to national prominence and academic excellence. This re- cruitment is occurring simultaneously with the construc- tion of a new research facility.

Curriculum vitae of applicants and 4 names of refer- ences should be sent to: Bruce D. Trapp, Ph.D., Chairman, Department of Microbiology, School of Medicine, University of Kansas, Kansas City, KS 66103. Initial screening will continue until the position is filled. The University of Kansas Medical Center is an Equal Opportunity Employment/Affirmative Action Employer.

POSTDOCTORAL POSITION
Department of Neurosciences, Cleveland Clinic Foundation. Postdoctor- al fellow will join ongoing NIH-funded studies inves- tigating the function of the amyloid precursor protein in normal development, normal ageing, and in Alzheimer diseased brains. Experience in cellular and molecular biological techniques required. Please send curriculum vitae, names of three references, and statement of re- search interests to: Bruce D. Trapp, Ph.D., Chairman, Department of Neurosciences, NC-30, Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195. The Cleveland Clinic Foundation is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
VANDERBILT UNIVERSITY

Applications are invited for a postdoctoral research position to investigate mechanistic and regulatory mechanisms of eukaryotic RNA processing. This position will be funded as part of a new National Institute of General Medical Sciences-funded program in RNA structure, chemistry, enzymology, and fluorescence spectroscopy (Burns, P. E. (1992) J. Biol. Chem. 267, 14963–14973). Interested individuals with a Ph.D. degree in biochemistry, biophysics, chemistry, or biology are encouraged to apply. Applicants should have experience in RNA structure, RNA chemistry, RNA metabolism, or fluorescence spectroscopy. Applications are encouraged to apply. Applicants should have a strong interest in RNA metabolism and pre-mRNA splicing. For more information, please contact Dr. Linda Burn. Please send curriculum vitae, statement of research interests, and names of three references to: Dr. Linda Burns, Department of Medicine, Vanderbilt University School of Medicine, Department of Pathology, C3521 Medical Center North, Nashville, TN 37232-2561. Vanderbilt Univer- sity is an Equal Opportunity/Affirmative Action Employer.
APOTEX FERMENTATION INC.

APOTEX FERMENTATION INC. is a progressive and rapidly growing Canadian manufacturer of bulk pharmaceuticals by fermentation. Expansion of the company has created several openings.

MANAGER, CHEMISTRY

The MANAGER, CHEMISTRY will oversee and participate in the expansion of a chemistry department focused on the extraction, purification and chemical modification of fungal metabolites. The ideal candidate will possess 6–10 years of post-doctoral experience in the fermentation, natural products or pharmaceutical industries. Experience in the following areas would be an asset: natural products chemistry, purification and identification of metabolites from natural or fermentation sources, industrial-scale chemical operations and Good Manufacturing Practices. Previous management experience would be useful, although the desired emphasis is technical leadership. This position reports to the Vice-President, Research and Development.

SENIOR RESEARCH SCIENTIST, PROTEIN BIOCHEMISTRY

The SENIOR RESEARCH SCIENTIST, PROTEIN BIOCHEMISTRY will be responsible for leading the PROTEIN BIOCHEMISTRY group, focused on the extraction, purification and characterization of protein products from recombinant expression systems. The ideal candidate will possess a Ph.D. plus 3–8 years of post-doctoral experience in protein biochemistry. Preferably this will include experience in Good Manufacturing Practices and/or the scale-up of protein purification processes in an industrial setting. Previous supervisory experience would be an asset.

APOTEX FERMENTATION INC. offers competitive salaries, a comprehensive benefits package and excellent opportunities for growth. Applicants should submit their letter of application and resume in confidence to:

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Call For Papers

Ninth Annual Conference on Contaminated Soils
Analysis, Fate, Environmental and Public Health Effects, and Remediation
University of Massachusetts at Amherst
October 17–20, 1994

Contributed papers and posters are invited for presentation in the following areas:

- Chemical analysis
- Hydrocarbon identification
- Site assessment/field sampling
- Regulatory programs and policies
- Environmental fate and modeling
- Soil chemistry
- Hazard, exposure, and risk assessment
- Standard remedial technologies/corrective actions
- Diesel fuel, military installation & shipping port contamination
- Chlorinated hydrocarbons, pesticides and heavy metals
- Ecological risk assessment
- Innovative technologies
- Case studies on any of the above

Deadline for submissions is February 11, 1994

For either a paper or poster to be considered please submit a one-page abstract containing: title and up to 200 words of abstract; and for each author, name, degree, title, affiliation and complete address and phone number. Please indicate your choice of either oral presentation or poster.

For further information and abstract submission please contact: Paul Kostecki, Ph.D., School of Public Health, N344 Morrill, University of Massachusetts, Box 35730, Amherst, MA 01003
Tel: (413) 545-2934, Fax: (413) 545-4692

ASSISTANT PROFESSOR BIOENGINEER

The Institute of Gerontology at the University of Michigan invites applications from bioengineers studying muscle contractility at the single cell level with emphasis on the role of the individual protein components and other regulatory factors.

Candidates should have a Ph.D. in bioengineering, or in another field of engineering, with evidence of training in muscle physiology. A minimum of two years of postdoctoral experience is required. The candidate is expected to develop an independent research program, participate in an interdisciplinary group investigating molecular and cellular mechanisms of skeletal muscle impairments in old animals, and teach in graduate and professional courses. A joint tenure-track appointment as an Assistant Professor in an appropriate academic department is negotiable.

Applications, including curriculum vitae, description of research interest, and names of three references should be sent to: Dr. Richard C. Adelman, Director, Institute of Gerontology, University of Michigan, 300 N. Ingalls, Ann Arbor, MI 48109-2007.

Review of the applications will begin on January 1, 1994 and continue until a suitable candidate is identified. The University of Michigan is an Affirmative Action/Equal Opportunity Employer.
POSITIONS OPEN

POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY: Available immediately to investigate hypertension in programmed cell death. Requires experience in real-time quantitative gene expression in tissue culture. An enthusiastic individual with experience in molecular biology techniques (Northern blotting, in situ hybridization, immunoprecipitation of labeled proteins, gel shifts, etc.) should submit with curriculum vitae and contact information of references to: Dr. Danae Shah, The University of Texas Health Science Center, RR #12248, San Antonio, TX 78284-7310, FAX: (210) 567-4958. The University of Texas Health Science Center at San Antonio is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH POSITIONS: BRIAGHAM AND WOMEN'S HOSPITAL AND HARVARD MEDICAL SCHOOL

The Department of Pathology at Brigham and Women's Hospital and Harvard Medical School, Boston, Massachusetts, has available postdoctoral research positions for M.D. and/or Ph.D. candidates. The Department's principal research groups are working in the following areas: vascular cell biology (head: M. A. Giannone), molecular oncology and development (J. L. Sklar), immunology (A. K. Abbas), epithelial cell biology (J. L. Madara), molecular cytoarchitecture, especially neuromuscular junctions, and Molecular Pathology. The Department has an interactive research program with over 30 established investigators. Interested applicants should send curriculum vitae to: Ramzi S. Cotran, M.D., Chairman, Department of Pathology, Brigham and Women's Hospital, 75 Francis Street, Boston, MA 02115. The Brigham and Women's Hospital is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION available immediately to study the structure, function, and regulation of components of the insulin signal transduction chain. Prefer applicants with experience in molecular cloning and RNA fingerprint techniques. Send curriculum vitae to: Dr. Hari Damm, Associate Professor, Department of Cellular and Molecular Physiology, The Pennsylvania State University, University Park, PA 16802. The Pennsylvania State University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOW ENVIRONMENTAL HEALTH SCIENCES

The Department has an opening for a recent doctoral graduate with research skills and interests in exposure assessment, air dispersion modeling and/or environmental epide-miology. Requirements include a strong understanding of innovative exposure assessment tools in a study of respiratory health effects near a hazardous waste incinerator. Applicant must have demonstrated abilities. Send curriculum vitae, a brief description of research experience, and the names, addresses, and telephone numbers of three references to: Dr. Charles E. Feigley, Chair, Department of Environmental Health Sciences, University of South Carolina, Columbia, SC 29208 by February 1, 1994. The University of South Carolina is an Affirmative Action/Equal Opportunity Employer. Instructions on how to apply. The University of South Carolina is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION—NEUROPHARMACOLOGY: Immediate opening for a Postdoctoral Fellow to study the molecular mechanisms of opioid dependence under the supervision of Kenneth Grzegorz, M.D. and Herbert Gerard, M.D. Applicants should send curriculum vitae and references to: Kenneth Grzegorz, M.D., UMDNJ—Robert Wood Johnson Medical School, One Robert Wood Johnson Place, 3-113, New Brunswick, NJ 08901-0019. UMDNJ is an Equal Opportunity Employer, M/F/D/V, and a member of the University Health System of New Jersey.

POSITIONS OPEN

POSTDOCTORAL POSITION DEVELOPMENTAL NEUROBIOLOGY/ IMMUNOLOGY

Project: The F5 gene encodes a novel, intracellular phosphoprotein that regulates growth factor receptor tyrophospho- tyrosine and cytosolic proteins. The F5 cDNA sequence was isolated initially from interleukin 2-stimulated cloned T helper lymphocytes. Subsequent studies showed that it is present in activated, not resting, T lymphocytes and adult brain. Further characterization localized its expression in the developing chicken brain, in the adult mammalian brain, restricted postnata!y to the sympathetic nervous system, and in embryos, neurally derived tissue. Delineation of the expression patterns in the developing nervous system is of particular interest. The F5 protein is closely related to family of serine/threonine kinases and is related to the heat shock proteins. Characterization of the F5 protein in the nervous system, in neurobehavioral models, and in proliferative states should further our understanding of the role of tyrosine kinases in the nervous system. The F5 gene will be cloned and characterized. Send curriculum vitae and three letters of reference to: Dr. John Mendelsohn, M.D., Chairman, Department of Medicine, The Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY 10021. Telephone: 212-639-8851. Applications from women, members of minorities, and individuals who would bring a variety of cultural perspectives to our curriculum are strongly encouraged. The qualifications to be considered will include the following: (1) requirements for the Ph.D. in molecular biology, biochemistry, or related fields, (2) experience with cloning and molecular biology, and (3) experience with cell culture. Upper level graduate students should apply. The Memorial Sloan-Kettering Cancer Center is an Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION: Projects include studies of brain cell biology, cell signaling, development, and neurobiology. The position is a glutamate-related project and is suitable for individuals at the Ph.D. level. Send curriculum vitae to: Dr. A.McCullough, Department of Neurology, College of Medicine, 1405 S. 16th Street, Meridien, IA 52309.

POSITIONS OPEN

POSTDOCTORAL POSITION supported by NIH funds available to study the role of cation transport across subcellular membranes. Relevant experience in energy transduction or membrane or muscle biophysics is desirable. Excellent scientific environment and benefits. Send curriculum vitae, statement of research interests and names, addresses and telephone numbers of references to Dr. R. E. Perlman, Department of Physiology, Biophysics, Box 12118, Children's Memorial Hospital, 12th Street, Chicago, IL 60612. The Children's Memorial Hospital is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION—Signal Transduction and Gene Regulation. Opportunities to study the molecular mechanism of a novel direct signaling pathway from polypeptide receptors to transcription factors (see Fazekas de St Groth, S., et al., Cell 61, 919, 1990). Excellent scientific environment and benefits. Send curriculum vitae, statement of research interests and names, addresses and telephone numbers of references to Dr. R. E. Perlman, Department of Physiology, Biophysics, Box 12118, Children's Memorial Hospital, 12th Street, Chicago, IL 60612. The Children's Memorial Hospital is an Equal Opportunity/Affirmative Action Employer.

MEMORIAL SLOAN-KETTERING CANCER CENTER

SPECIAL FELLOWSHIP IN MEDICAL ONCOLOGY—HEMATOLOGY

The Department of Medicine at Memorial Sloan-Kettering Cancer Center is offering a Fellowship in medical oncology for physician scientists committed to an academic research career that is based in laboratory investigation. The fellowship positions will focus on intensive training in laboratory investigation, and will also provide the level of clinical experience required for board eligibility in medical oncology (and/or hematology). Successful candidates will have the opportunity to select from a large number of outstanding research laboratories in the Sloan-Kettering Institute and the Department of Medicine at the Center. The faculty includes investigators in areas with potential or direct application to the diagnosis and therapy of cancer, research in cancer biology and genetics, gene therapy, molecular biology, structural biology, growth regulation and signal transduction, oncogenesis, and clinical immunology. Opportunities are available in all areas of medical oncology and hematology. Interested individuals should apply to: John Mendelsohn, M.D., Chairman, Department of Medicine, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY 10021. Telephone: 212-639-8851. Applications from women, members of minorities, and individuals who would bring a variety of cultural perspectives to our curriculum are strongly encouraged. Please include a curriculum vitae, a brief statement of your research interests, and the names of three individuals who can evaluate your potential for a successful career in laboratory investigation.

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With over 10 years of experience, a strong patent position and important worldwide commercial alliances in the diagnostic, pharmaceutical and veterinary markets, Cambridge Biotech is positioned as a leader in the biotech field. The following opportunities are available for bright, innovative individuals:

**Molecular Parasitologist/Senior Scientist**

Reporting to the Director of Medical Affairs & Tropical Diseases (Molecular Pathogenesis Laboratory), you will study the molecular mechanisms of parasite/host interactions, especially aspects relevant to vaccine development, as well as interface with numerous internal & external scientific groups. Responsibilities include supervising junior scientists, including postdoctoral trainees and one company research assistant; investigating parasite/host relationships, especially receptor-ligand interactions such as molecular mechanisms coupling signal transduction to receptor mediated endocytosis; investigating membrane turnover, cellular stress responses and lymphocyte activation by parasite antigens; presenting experimental results to scientific forums and planning new projects and collaborations. Applicants must have a PhD in Molecular Parasitology and at least 5 years’ post doctoral experience. A strong background in signal transduction molecular biology and the ability to analyze receptor-ligand interactions, including erythrocyte-plasmodium falciparum merozoite interactions is required. Familiarity with the immunological techniques necessary to measure antibody responses and cytokine production, including recombinant DNA technology is a must as is experience manipulating lymphoid and hematopoietic cells.

**Molecular Immunologist/Senior Scientist**

We seek a proven professional with molecular immunology experience, including methods to investigate T-cell receptor gene expression, antigen presentation, cytokines and adhesion molecules in the context of infectious diseases. This will involve establishing appropriate immunological assays and developing new methods to improve vaccines, including malaria, HIV-1 and schistosomiasis; supervising a junior research staff member, postdoctoral researchers and research assistants; as well as designing molecular strategies to optimize immunological recognition and responsiveness to protein antigens; improving immunogenicity of candidate vaccines; submitting grant applications to ad-hoc agencies for funding. The ideal applicant will have a PhD in Molecular Immunology and at least 6-8 years’ post-doctoral experience with solid knowledge of cell biology and modern immunology. Extensive involvement with investigational techniques used in immunology, including those used to assess cell-mediated immunity (lymphocyte proliferation, CTL, ADCC, T cell receptor gene expression), and measuring antibody responses (ELISA, immunoblot, RIPA, in vitro antibody synthesis, monoclonal antibody production) required. Familiarity with the analysis of lymphocyte activation, including signal transduction of lymphocyte receptors, also necessary.

**Research Associate - Molecular Biology**

An excellent opportunity exists for a skilled Research Associate to perform protein expression using the baculovirus expression system and various mammalian cell lines. Responsibilities include maintaining cell lines and viral stocks used for protein expression, providing Protein Chemistry department with cell or medium harvest containing recombinant protein, optimizing expression systems, performing expression scale-up in 5-15 liter fermenters, as well as analyzing recombinant proteins using Western blots and ELISAs. Candidates must have a BS in Biology, other life science or equivalent and at least 2 years' laboratory experience in cell culture and sterile techniques. The ability to perform DNA transfections, SDS-polyacrylamide gel electrophoresis and Western blotting required. Knowledge of insect cell culture, baculovirus expression and CHO cell expression highly desirable.

We offer an excellent compensation and benefits package, including a 401K plan with generous company match. For immediate consideration, please fax your resume, specifying position of interest, to the Human Resources Department, (508) 751-5546, or mail to Human Resources at Box SM, Cambridge Biotech Corporation, 365 Plantation Street, Worcester, MA 01605. An Equal Opportunity/Affirmative Action Employer, M/F/D/V.

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CELL BIOLOGY — Develop and implement cell-based methods for assaying novel therapeutics including antibodies, neurotrophic factors, cell-adhesion molecules, cytokines and related molecules. Work closely with biochemistry, molecular biology, chemistry, in vivo pharmacology and drug delivery groups. Requires a Ph.D. in cell biology or cellular immunology with at least 2 year postdoc; prefer additional years of academic or industry experience. Expertise in inflammatory processes, endothelial or neuronal cell biology and receptor binding and signal transduction would be helpful.

Pharmacokinetics — Design and conduct pharmacokinetic and drug metabolism studies providing support for preclinical and clinical drug development programs. Responsible for evolving an in-depth drug metabolism perspective on a wide variety of pharmacological agents. Requires a Ph.D. in pharmacokinetics or pharmacology plus 5 years postdoctoral experience. A strong background in drug metabolism and analytical chemistry is desirable.

Characterized by high scientific standards and novelty, Alkermes has the talent and financial strength to continue to excel. Help shape the next generation of drug delivery technologies. Forward your CV, in confidence, to: Human Resources, Alkermes, Inc., 64 Sidney Street, Cambridge, MA 02139-4136. An Equal Opportunity Employer.

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Alkermes, Inc.

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is a biotechnology company located in Seattle, Washington, making important strides in the development and clinical evaluation of therapeutic products aimed at autoimmune disease, tissue repair and coagulation disorders. As a subsidiary of NOVO NORDISK, the world's largest manufacturer of insulin, we are currently seeking a:

Scientist

to participate in research directed towards the discovery of T-cell antigens and their utility in immune intervention as therapeutics. To qualify, you should possess a Ph.D. in immunology/biochemistry and 3+ years' related experience in cellular immunology and/or immune regulation.

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offers an exciting environment characteristic of a small research and development company, along with the scope and stability of a large pharmaceutical corporation. We also offer intellectual challenge, state-of-the-art facilities, and a generous benefits package.

Please apply by sending your CV to:

Zymogenetics, Inc.,

Human Resources, #14R093, 4225 Roosevelt Way N.E., Seattle, WA 98105

Zymogenetics is committed to equal opportunity and diversity, and encourages applications from minorities and women.

Alkermes, Inc.

RESEARCH
SCIENTIST

In Molecular and Developmental Biology

The Laboratory of Molecular Genetics has an opening for a molecular/developmental biologist to conduct a research program on Xenopus laevis embryogenesis under the leadership of the Laboratory Chief. The position requires Ph.D., M.D. or equivalent, and broad research experience with substantive publications in recognized journals. Technical expertise is required in the following. Molecular biology: DNA manipulations, cloning, sequencing, in vitro transcription and translation, RNA measurements, bacterial expression of proteins, immunological procedures. Developmental biology: familiarity with amphibian embryology; injection of oocytes and embryos, dissection of embryos and explant culture, immunocytochemistry and in situ hybridization techniques, microscopic evaluation and photography. The salary range, depending on experience, is $48,000 to $58,000. Candidates should submit curriculum vitae and the names of three references to:

Dr. Igor B. Dawid
LMG, NICHD
National Institutes of Health
Building 6B, Room 413
9000 Rockville Pike
Bethesda, MD 20892
NIH is an Equal Opportunity Employer

Museum Informatics Project

Information Systems and Technology

University of California at Berkeley

Museum Informatics Specialist

The Museum Informatics Project invites applications for a state-funded position at the level Programmer/Analyst IV with a specialty in biological museum information systems. The successful candidate will work closely with faculty and collections staff, campus and external professional committees and workshops, and collaboratively with project leaders and staff at other institutions, to design and implement collections information systems with an emphasis on botanical, zoological, and paleontological collections. In this context, the successful candidate will:

• develop information technology infrastructure requirements
• provide project planning, management, and systems analysis
• draft strategic campus and individual collection information system plans
• identify and evaluate computing industry trends related to museum informatics
• participate in professional fora to create opportunities to effect change, locally and internationally, in museum informatics systems and practices
• seek funding opportunities and draft information systems grant proposals

Starting salary range: $48,895-$61,167 (midpoint)

Applicants should submit a curriculum vitae, a statement of background, current activities, and future goals related to museum informatics, and the names of three individuals to serve as references by January 26, 1994 to: U.C. Berkeley, Campus Personnel, Job #11-802-80, 2200 University Ave., Rm.7G, Berkeley, CA 94720.

EEO/AA.

Museum Informatics Project

Information Systems and Technology

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EEO/AA.
The Chesapeake Research Consortium (CRC) is seeking applicants for the position of Executive Director (Director).

CRC is a consortium of academic and research institutions, with headquarters in the Annapolis, Maryland region, whose members include the Virginia Institute of Marine Science, the Johns Hopkins University, Old Dominion University, the Smithsonian Institution, the Academy of Natural Science of Philadelphia, and the University of Maryland System. The common interest of Consortium members is the promotion of collaborative and interdisciplinary research and related public service in the greater Chesapeake Bay region, including the outer continental shelf and watershed.

The Director is the Chief Executive Officer responsible for the operations of CRC, the supervision of staff, and the management of sponsored programs and awards to the CRC. The Director is appointed by a Board of Directors (Board) of member institutions for a term of five years with the first year being probationary, and subsequent renewable five year appointments at the discretion of the Board. Appointments are full time, and subject to twelve months notice if the Board determines a cancellation of the appointment for a cause.

The duties of the Director are determined by the Board and include the following:
1. Provide effective liaison among the member institutions by becoming knowledgeable about their unique and complementary capabilities, and by maintaining active and current contacts with administration, faculty and staff. Promote the Consortium’s mission in research, service and education.
2. Maintain active contacts with Federal and State agencies in the region in order to inform those agencies of the unique capabilities of CRC, and provide a clearinghouse for information on research opportunities.
3. Actively seek sources of sponsored program support, and facilitate the coordination and management of research projects among member institutions.
4. Facilitate communication within the scientific community of the Chesapeake Bay region through the coordination and management of workshops, symposia, conferences, the publication of reports, proceedings and other scientific and technical documents.
5. Supervise staff and manage the fiscal affairs of the Consortium.
6. Provide secretariat services to the Board and other Consortium obligations such as the Scientific and Technical Advisory Committee of the Chesapeake Bay Program.
7. Report to the Board at their regular meetings.
8. Prepare and submit an annual report of Consortium activities and an annual budget to the Board for their acceptance and approval.
9. Perform any special functions that may be assigned at the discretion of the Board.

Nominations are welcomed. Interested applicants should send application, curriculum vitae, and the names of four references to:

Dr. Dennis L. Taylor, Chair
Search Committee Chesapeake Research Consortium
Virginia Institute of Marine Science
Gloucester Point, VA 23062
(804) 642-7103

Review of applications will start 1 February 1994

The Consortium is an Affirmative Action/Equal Opportunity Employer.

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VICAL INCORPORATED
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Vical Incorporated is a leader in the development of gene-based pharmaceutical products for human gene therapy. We are currently initiating phase I/II clinical trials of a novel gene therapy product. Our current staffing needs include:

CLINICAL RESEARCH PROJECT MANAGER responsible for assisting in the design and development of clinical trials; coordinating and monitoring the flow of clinical data; and implementing management plans designed to meet project and protocol deadlines. B.A./B.S. w/ 5 to 8 (or M.S./Ph.D. w/ 2 to 5) years clinical experience in medical research, nursing or pharmaceutical industry.

CLINICAL RESEARCH ASSOCIATE responsible for assisting in the design, planning, implementation and day-to-day direction of clinical research projects; and gathering and analysis of clinical data. Knowledge of FDA regulatory requirements. B.A./B.S. w/ 2 to 5 (or M.S./Ph.D. w/ 1 to 2) years clinical experience in medical research, nursing or pharmaceutical industry.

REGULATORY AFFAIRS ASSOCIATE responsible for preparing and updating submissions including IND’s and amendments; conducting audits of GCP, GLP and GMP activities within company; interfacing with manufacturing, clinical, research, and regulatory authorities to support IND. B.A./B.S./M.S. w/ 2 to 5 years regulatory affairs experience in the pharmaceutical or biologics industry. Ability to function in multiple priority environment.

MOLECULAR BIOLOGIST/GENETICIST responsible for the development of novel DNA vectors which target expression to specific eukaryotic tissues and cells. Ph.D. w/2 to 5 years postdoctoral experience in eukaryotic RNA transcription, processing and/or translation.

FORMULATION SCIENTIST responsible for the designing of preformulation and formulation studies for DNA and lipid components. Ph.D. with 2+ years formulations experience or equivalent combination of experience and technical training. Strong knowledge of cGMPs and a solid background in Biochemistry/Chemistry and Analytical techniques. Previous industry experience and strong communication skills a must!

SYNTHETIC/ORGANIC CHEMIST responsible for conducting synthetic and analytical procedures under cGMP guidelines. Ph.D. w/1 to 3 (M.S. w/ 2 to 5) years postdoctoral experience. Familiarity with distillation, recrystallization, liquid and solid measuring, 1H-NMR and IR spectroscopies, preparative and analytical chromatographic techniques (TLC and HPLC). Must communicate well in spoken and written English.

ANALYTICAL CHEMIST responsible for the development/validation of assays for the characterization of DNA and lipid components. Ph.D. with 2+ years experience or equivalent combination of experience and technical training. Knowledge of biochemistry, molecular biology and GMP guidelines a must!

Vical offers an array of excellent benefits including a 401(k) plan, stock options and a Section 125 plan. Our San Diego location is renowned for its beautiful coastline, perfect weather and sunshine. It is a premier place to live and work. For consideration please send your resume to: Human Resource Dept., Vical Incorporated, 9373 Towne Centre Drive, Suite 100, San Diego, CA 92121.

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At Gilead Sciences, we are pioneering a new class of human therapeutic compounds based on nucleotides—the molecular building blocks of DNA and RNA. Nucleotide compounds can be modified to act inside or outside the cell to selectively inhibit the production or activity of disease-causing proteins. Come join our scientific team as we develop disease-fighting drugs that target viral infections, cardiovascular disease, inflammatory disease and cancer.

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You will need a Ph.D. in biochemistry of chemistry along with 2-3 years of postdoctoral training. Your background must include experience in enzyme purification, enzyme kinetics, metabolic pathways, and molecular biology. You should also be familiar with FPLC, HPLC, TLC, and cell culture techniques.

As an emerging force in the biotechnology industry, Gilead provides a comprehensive compensation and benefits package, which reflects our leadership and commitment to our science. To learn more, please send your CV/ resume to: Human Resources, Gilead Sciences, 353 Lakeside Drive, Foster City, CA 94404. We are proud to be an equal opportunity employer.

GILEAD SCIENCES

CAREER RESEARCH POSITION
MARINE LIFE RESEARCH GROUP
SCRIPPS INSTITUTION OF OCEANOGRAPHY

The Marine Life Research Group (MLRG) of Scripps Institution of Oceanography, University of California at San Diego, invites applications for a full or part-time, career-track but non-tenured research position. We seek someone interested in the recent past record of living species, and in the use of the sedimentary record (or other proxy measures) for modern studies of variability in marine populations and their environments. MLRG is an interdisciplinary research division cooperating with state and federal agencies in studying the pelagic ecology of the California Current. Priority will be given to applicants whose research is directly relevant to the organisms of the California Current and whose expertise complements our present research strengths. The applicant must have a Ph.D. or equivalent. We anticipate a background in marine paleoecology or biological oceanography, but other fields may be considered. Appointment may be made at any level, but priority will be given to candidates at the assistant or associate level. Salary will be commensurate with experience and based on UC salary scales. MLRG may provide a minimum of 50% support for the first two years for research directed toward the California Current. Therefore, the appointee will be expected to maintain an externally supported research program. The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer. Applications must be received by 1 February 1994. Interested parties should send a statement of research interest, curriculum vitae and the names and addresses of at least five references to:

University of California, San Diego
Professor Michael M. Mullin
Director, Marine Life Research Group, 0227
Scripps Institution of Oceanography
9500 Gilman Dr.
La Jolla, CA 92093-0227
At Baxter, we continue to be recognized as a pioneer in the development of advanced health care products and services. And—through our tremendous commitment to R&D—we continue to improve the quality of life for people around the world. Now, you could join our successful Gene Therapy Unit.

The accomplished scientist we select will design and develop vector systems for transfection of mammalian cells. We require an MD or PhD and experience in the molecular biology of mammalian gene expression and vector development. In-depth understanding of gene function and cellular mechanisms of gene expression is expected, along with working knowledge of state-of-the-art mammalian expression vector systems.

Our compensation and benefits package is highly competitive. Our professional environment is unsurpassed. For immediate consideration, please forward a resume to Human Resources, Dept SRA, Baxter Healthcare Corporation, Rte 120 & Wilson Rd., WG2-35, Round Lake, IL 60073. An Equal Opportunity Employer.
Tenure Track Positions in Cellular and Molecular Immunology of the GI Tract
Department of Medicine
University of Chicago

Special tenure track research positions at The University of Chicago are now available to establish a multidisciplinary approach to the study of inflammatory bowel diseases. The newly constructed Center has 6,000 sq. ft. and state-of-the-art resources, including laser scanning confocal microscopy and transgenic core facilities.

Initial recruitment is directed towards individuals with a strong background in mucosal immunology, oral tolerance, cytokine research, autoimmune disease mechanisms and basic cellular and molecular immunology. In addition, individuals interested in structural, cellular, and molecular biology of epithelial cells will be considered. Previous work or interest in inflammatory bowel diseases is not required. Individuals desiring to branch into studies related to inflammatory bowel diseases are encouraged to apply. Minimum requirements include doctoral degree and extensive post-doctoral experience.

Appointments will be considered at the Assistant and Associate Professor level and generous funding is available for the establishment and initial support of the individual research programs. Research by the Inflammatory Bowel Disease Research Center will be closely integrated with basic immunology, the IBD clinical program, and with other groups within the Divisions of Biological Sciences at The University of Chicago. Applicants should send a CV, reprints of recent work, a statement of research interests and names of suitable references to:

Eugene B. Chang, M.D., Director
Inflammatory Bowel Disease Research Center
The University of Chicago
Department of Medicine/GI, MC 6084
5841 S. Maryland Avenue
Chicago, IL 60637
Phone: 312-702-6458
Fax: 312-702-2281

An affirmative action, equal opportunity employer.

ECOLOGY/POPULATION BIOLOGY
UNIVERSITY OF CALIFORNIA, IRVINE
ASSISTANT/ASSOCIATE PROFESSOR

The Department of Ecology and Evolutionary Biology at the University of California, Irvine solicits applications for one or two tenure-track (assistant professor) or tenured (professor) positions in the field of Ecology. The Department will consider applications from all outstanding candidates in behavioral, populations or community ecology. The successful applicant(s) will be expected to participate in both the undergraduate and graduate teaching programs in Ecology. The deadline for receipt of materials will be February 11, 1994. Please submit curriculum vitae, description of research and teaching interests, and the names, addresses and phone numbers of at least three referees to: Ecology Search Committee, Department of Ecology and Evolutionary Biology, University of California, Irvine, CA 92717-2525.

UCLA is an Equal Opportunity/Affirmative Action Employer committed to excellence through diversity.
Associate Provost for Research and Dean of the Graduate School

The University of Maryland at College Park invites applications and nominations for the position of Associate Provost for Research and Dean of the Graduate School. This position represents a redefinition of research and graduate education leadership at the institution as part of an overall reorganization of the Office of Academic Affairs. The successful candidate, therefore, will be expected to provide both vision and dynamic leadership appropriate to the mission of a comprehensive research and land-grant university. The Associate Provost and Dean reports to the Vice President for Academic Affairs and Provost, a member of his senior staff, and operates with a large degree of delegated authority. The position will be filled July 1, 1994, or as soon thereafter as possible.

The University of Maryland at College Park is the flagship institution within the eleven-campus University of Maryland System. The Office of Graduate Studies and Research includes such offices as Research Advancement and Administration; Technology Liaison; Fellowships; Graduate Minority Education; and Graduate Admissions and Records.

As Associate Provost for Research, the incumbent is responsible for all aspects of the University's research program. This includes advocacy and general management of sponsored and State-funded research activity at an institution that in FY 1993 received over $122 million in external research support. The Associate Provost is expected to take an active role in representing the University to national and international research and educational agencies, business, and industry, assuming a position of leadership in the formulation and interpretation of research policy. The Associate Provost is also charged with assisting a large and diverse faculty in the conduct of their research, scholarship, and creative work.

As principle academic officer of the Graduate School, the Dean is responsible for policy development and administration of a decentralized Graduate School offering over 80 advanced degree programs, and enrolling over 9,000 students. In cooperation with academic departments and colleges, the Dean is responsible for the development of new graduate programs, the review and modification of existing programs, and the recruitment, admission, support, and education of graduate students.

Qualifications: A substantial record of scholarly achievement that would justify appointment at the rank of Professor in one of College Park's academic units is required. A record of several years of successful administrative work, familiarity with strategic planning and budget management, and graduate program experience constitute criteria for selection. Preference will be given to candidates who are not only familiar with sources of research funds, but who also have an established administrative record of obtaining and maintaining competitive funding from external sources.

The search committee expects expressions of interest to consist of (1) a letter setting forth the candidate's ideas concerning the role of a research university in the 21st century, especially from the perspective of research and graduate study; (2) a curriculum vitae; and (3) the names, addresses, and telephone numbers of at least four persons who can be contacted by the search committee in reference for the candidate. Nominations are encouraged and will be received at any time. All materials should be sent to:

Dean Richard Herman, Chair
Associate Provost and Dean Search Committee
The College of CMPS
University of Maryland
3400 A.V. Williams Building
College Park, Maryland 20742-3281

Please feel free to call the chair of the committee, Dean Richard Herman, at 301-405-2316 to discuss the position (e-mail rherman@cmps.umd.edu). For best consideration, all materials should be received by February 15, 1994.

The University of Maryland actively subscribes to a policy of equal education and employment opportunities. Women and minority candidates are encouraged to apply.
CELL AND DEVELOPMENTAL BIOLOGY

Opportunities exist to work on growth/differentiation factors and gene expression and to participate in the development of in vitro and in vivo models for the evaluation of efficacy for novel growth/differentiation factors, morphogens and cytokines. Requirements include mammalian cell culture and recombinant techniques. Experience in the following is required: in situ hybridization, RNA and DNA analysis, cell culture, gene transfection and amplification, immunohistochemistry, matrix-cell interactions, receptor-ligand interactions and cellular and immune responses.

PROTEIN CHEMISTRY

Challenges exist in the isolation and characterization of biologically active proteins. Successful candidates will develop purification processes for naturally sourced and recombinant protein therapeutics from protein initiation through the start of clinical manufacturing. These individuals will also perform structural-functional analysis of recombinant therapeutic proteins under development for assessing functionally important domains. Requirements include familiarity with analytical methods including HPLC, peptide mapping and chemical modification of protein as desired.

ANALYTICAL PROTEIN CHEMISTRY

Successful candidates will assist in the characterization of protein products through the use of state-of-the-art techniques and instrumentation from micro-scale elucidation of the primary and secondary structures of proteins. The senior candidates are expected to be familiar with gas phase protein/peptide sequencing, microbore HPLC separations of proteins and peptide, amino acid analysis, etc.

MOLECULAR BIOLOGY

Opportunities for the study and cloning of morphogens and receptors, regulation of gene expression during development, organellogenesis and neoplastic transformation. Research includes gene transfer, amplified mammalian gene expression and protein engineering with emphasis on some emphasis on single chain antibodies. Desirable experience includes Northern hybridization, in situ hybridization, PCR, cDNA cloning, and in particular phage display technology, mutagenesis and microbial secretion.

DRUG DELIVERY MANAGER

The selected candidate will assist in the design and improvement of systems for the effective delivery of protein-based product candidates. Background in drug formulation or polymer chemistry and a Ph.D., M.D., D.V.M., or equivalent degree and 3-5 years' relevant experience in pharmaceutical and/or biotechnology industries.

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Creative BioMolecules offers an excellent compensation and benefits package including 3 weeks' vacation, employee stock purchase plan, and a company-matched 401(k) plan.

For immediate consideration, please send or fax your resume indicating position of interest, to: Human Resources, Creative BioMolecules, 45 South Street, Hopkinton, MA 01748. FAX: (508) 435-0992. An Equal Opportunity Employer.

EXTENSION WEED SPECIALIST

The University of California at Davis invites applications and nominations for an Assistant Extension Specialist in Vegetation Management/Weed Ecology. Responsible for statewide extension education programs and applied research in vegetation management/weed ecology, including their physiological and population responses to the environment, biological weed control, and other vegetation management techniques. The emphasis will be on weed problems primarily related to non-cultivated, managed ecosystems. Ph.D. or equivalent level of experience in weed science or a related discipline, plus expertise in one or more of the following areas: taxonomy, ecology, or botany. Experience in plant identification and field ecological methodology is essential. Candidates should submit curriculum vitae, a statement of interest in extension education and research interests, reprints, and the names and addresses of five professional references sent to Dr. Clyde Elmore, Chair, Search Committee, Cooperative Extension, Section of Plant Biology, University of California, Davis, CA 95616. Telephone: (916) 752-0612. FAX: (916) 752-5410. All applications and materials must be received by February 28, 1994. The University of California is an Affirmative Action/Equal Opportunity Employer.

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 innovative 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, a brief statement of research accomplishments and future objectives, and the names of three references by March 1, 1994:

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

Harvard Medical School is an Equal Opportunity/Affirmative Action Employer.

Plant Biology

Swarthmore College

Applications are invited for two positions in plant biology in the Department of Biology, starting September 1994.

Plant Evolutionary Biology

This three-year, non-tenure track position involves teaching an intermediate-level course in plant biology related to evolution (e.g. plant systematics or plant reproductive biology), another plant biology courses, and participating in the Department's introductory biology sequence. Ability to teach in some area of applied plant biology, such as agricultural botany or ethnobotany, would be desirable.

Plant Ecology

This is a one-year leave-replacement position that involves teaching an intermediate-level course in ecology and an advanced-level seminar in some area of plant ecology, and participating in the Department's introductory biology sequence.

To apply for either position, send curriculum vitae, a statement of teaching and research interests, and three letters of recommendation to Jacob Weiner, Department of Biology, Swarthmore College, 500 College Avenue, Swarthmore, PA 19081-1937. Closing date for application is February 15, 1994. Swarthmore College is an equal opportunity employer.
THE COMPREHENSIVE CANCER CENTER OF WAKE FOREST UNIVERSITY
THE BOWMAN GRAY SCHOOL OF MEDICINE

Applications are invited for 11 new faculty positions at the Assistant, Associate or Full Professor level. The Bowman Gray School of Medicine and the North Carolina Baptist Hospital have recently completed a $200,000 construction and renovation program. Three faculty positions for Ph.D. scientists are available in a newly formed Department of Cancer Biology. Areas of institutional interest include signal transduction pathways of oncogenes and tumor suppressor genes, cytokine biology, growth regulation, carcinogenesis and oxidative injury.

Six of these faculty positions are for scientists who will develop research programs in gene therapy. Two appointments will be M.D. or M.D./Ph.D. oncologists (one in bone marrow transplantation, one in clinical pharmacology), and four will be Ph.D. scientists (transgenic biologist, cytokine immunologist, virologist, molecular biologist).

One medical oncologist with a research interest in cancer clinical trials.

The Center is also recruiting an M.D. as Director of Cancer Prevention, a major leadership position within the Comprehensive Cancer Center. This person should be well versed in classic prevention and/ or epidemiology, but primary research interests should be in the molecular aspects of cancer diagnosis or prevention.

Applicants should submit a curriculum vitae and statement of research interests to Frank M. Torti, M.D., Director, Comprehensive Cancer Center of Wake Forest University, The Bowman Gray School of Medicine, Medical Center Boulevard, Winston-Salem, North Carolina 27157.

AA/EOE
POSITIONS OPEN

POSTDOCTORAL POSITION. Available immediately to study oxidative stress and aging, using yeast as an experimental model. Applicants with experience in yeast genetics/molecular biology and/or free radical biology are preferred. Send curriculum vitae and names of references to: Dr. Richard C. Nelson, Department of Pathology, Box 347, University of Colorado, Boulder, CO 80309-0347. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION. Available immediately to study oxygen sensing and oxygen control of transcription in yeast. This research involves recombinant DNA technology and a yeast model system. Candidates should have a Ph.D. in biochemistry or molecular biology and interest in the development of methods for maintaining low oxygen levels. Send curriculum vitae and references to: R. O. Poyton, MCD Biology, University of Colorado, Boulder, CO 80309-0347. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOW—PENN STATE Applications are being accepted for a position in an NIH training grant in Endocrinology, Diabetes and Metabolism at the Pennsylvania State University College of Medicine. M.D. or Ph.D. candidates will be trained in the research careers carried out by members working in the areas of diabetes, reproductive endocrinology, and endocrine/oncology. Qualifications include U.S. Citizenship with permanent resident status and a strong academic background and plans for a career in academic research. Application deadline is February 28, 1994. The position is guaranteed for 1 year. Send curriculum vitae, names of three references, and letters of recommendation to: Dr. Leonard S. Jefferson, The Pennsylvania State University College of Medicine, Department of Endocrinology and Metabolism, P.O. Box 850, Hershey, PA 17033. We are an Equal Opportunity/Affirmative Action Employer and encourage minority and female applicants to apply.

POSTDOCTORAL FELLOW—Availably immediately, to participate in research projects on the human acute phase protein, C-reactive protein. Persons with Ph.D. in Molecular Biology, Biochemistry, or related field and experience in molecular studies of receptors, recombinant protein expression, and mutagenesis are especially encouraged to apply. Must be U.S. citizen. For a full listing of the MINIMUM REQUIREMENTS and CONDITIONS OF EMPLOYMENT, please obtain a COMPLETE vacancy announcement at UM's Human Resource Office. Submit curriculum vitae and a statement of interest to: Dr. Robert D. Talmage, M.D., Ph.D., Department of Medicine, The University of New Mexico School of Medicine, Albuquerque, NM 87131. Telephone: 505-256-5717 or FAX: 505-256-2877. Refer to Ref. 400. Application deadline is January 14, 1994. Equal Opportunity Employer.

NORTHEASTERN UNIVERSITY ROBERT H. LURIE CANCER CENTER RESEARCH ASSOCIATES Applications are invited for the position of Research Associate to work in Molecular Biology of Breast Cancer. New laboratory studying cell replication and the estrogen receptor in Breast Cancer. Ph.D. in Molecular Biology required, experience in eukaryotic biochemistry and cell culturing essential with evidence of competence in standard techniques in Molecular Biology. Send curriculum vitae and names of three references to: Dr. Marc L. Bollettini, M.D., Ph.D., National Breast Cancer Research Program, Robert H. Lurie Cancer Center, 303 East Chicago Avenue, Chicago, IL 60611. Northwestern University is an Equal Opportunity Employer.

RESEARCH POSITIONS

Two or three positions are available to study the molecular biology of carcinogenesis, in the inhibition of carcinogenesis by tea and garlic compounds, or the active site dynamics of cytochrome P450 2E1. Successful candidates will be in related field and desired research environment. Outstanding candidates may be appointed at the Research Associate or Assistant Research level. Send curriculum vitae and supporting materials to: Dr. Chung S. Yang, Laboratory for Cancer Research, College of Pharmacy, Rutgers University, Piscataway, NJ 08854. An Affirmative Action/Equal Opportunity Employer.

VIROLOGY TECHNICIAN

Small biotech firm is seeking a virology technician with 3 to 5 years of experience in tissue culture-based virology. GLP and Good Clinical Practice experience is preferred. Send resume to: HR-VIR, TSI Washington, 2 Taft Court, Rockville, MD 20850. FAX: 301-230-2369. Equal Opportunity Employer, M/F.

DANA-FARBER CANCER INSTITUTE—HARVARD MEDICAL SCHOOL TWO RESEARCH ASSISTANTS (one at predoctoral level) are available immediately to participate in ongoing research projects in HIV research. Emphasis is on research on the use of in vitro and in vivo (SCID mice model) functional properties of several candidate drugs. In addition, successful applicants will also participate in a project pertaining to immunology and molecular biology of the antigen presenting cells in HIV-pathogenesis. Candidates must have basic technical experience in tissue culture (particularly with peripheral blood monocellular cells), molecular and cell biology. Experience in HIV research would be an added bonus although full training will be given. The positions are funded for a minimum period of two years with an excellent national reputation and a strong academic background and plan for a career in academic research. Application deadline is February 28, 1994. The position is guaranteed for 1 year. Send curriculum vitae and names of three references to: Dr. Kathleen Walsh, Division of Cellular and Molecular Medicine, Boston, MA 02115. The Dana-Farber Cancer Institute is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL/RESEARCH ASSOCIATE POSITIONS to study the molecular pharmacology of Malaria and Trypanosoma. One position will involve the identification and molecular cloning of drug receptors; a strong background in biochemistry and molecular biology is preferred. A second position is available for a person with a strong chemistry/biochemistry background who is able to conduct research in the laboratory and in the field. Salary is commensurate with experience. Send curriculum vitae and names of three individuals who could provide letters of reference to: Dr. Steven Meschnick, Department of Epidemiology, University of Michigan School of Public Health, Ann Arbor, MI 48109-0289. The UM is an Equal Opportunity/Affirmative Action Employer.

RESEARCH SCIENTIST positions available in Immunology and other areas of Malaria. We are focusing the basis for immunity and molecular pathogenesis of bacterial infections. The program is focused on the nature and characterization of immunity and vaccine development against plasmodium. Applicants must have Ph.D. in molecular biology, and protein chemistry and molecular immunology, or cellular immunity and cell biology is required. Interested applicants should send curriculum vitae and 3 letters of reference to: Dr. Arthur M. Friedlander, Chief, Bacteriology Division, U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, MD 21702-5011. Telephone: (301) 619-7341. FAX: (301) 619-2152.

Montana Tech is seeking a PROJECT SCIENTIST to manage a two-year research program involving the design, construction and monitoring of demonstration wetlands for the clean-up of metal sulfide acid mine drainage. Team investigators include a geochemist, environmental engineer and an engineer. Preference will be given to those having a research background that complements/supplements that of the team members and includes experience with anaerobic systems. The successful applicant should have a Ph.D. degree plus 3 years of relevant experience in either environmental engineering, microbiology, hydrology, or biochemistry. Preference will be given to those with experience in research and project management. The non-tenured Research Faculty appointment will be for one year with the potential for renewal. Applications should be sent by Jan 15, 1994 along with a letter of introduction and a recent resume to: Dr. Joseph Figuere, Associate Dean of Research and Graduate Studies, Montana Tech, 2100 Third Street, Butte, MT 59701-8997 no later than January 14, 1994. This position is contingent upon the availability of funds. Equal Employment Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE POSITION available for investigating the molecular biology and recombinant DNA techniques in "Role of cytokines in implantation". Send curriculum vitae and names of three references by January 21, 1994, to: Dr. Gary R. Pearson, Professor and Chairman, Dept. of Immunology, Georgetown University Medical Center, 3900 Reservoir Road, N.W., Washington, DC 20007. Georgetown University is an Equal Opportunity/Affirmative Action Employer.

RESEARCH HYDROGEOLOGIST, twelve-month, temporary position available, beginning August 1994. Responsibilities will include characterization of ground water flow and contaminant transport with an emphasis on regulating water supply and related environmental activities in private and public sectors. Opportunities to teach and advise graduate students are available within other departmental areas. Applicants must possess Ph.D. in hydrogeology, or closely related field earned by date of employment. Special consideration given to applicants with experience in deterministic and/or stochastic modeling, field-oriented techniques for working with interdisciplinary research teams. Send detailed curriculum vitae, university transcripts, description of current and planned research, references, and a copy of the most recent telephone numbers of three references postmarked by February 28, 1994 (or until suitable applicant is found thereafter), to: Dr. Jerry F. Ayers, Chair, Hydrogeologist Search Committee, U.S. Geological Survey, Box 25626, Denver, CO 80225. U.S. Geological Survey is an Equal Employment Opportunity/Affirmative Action employer.

AQUATIC ECLOGIST ILLINOIS NATURAL HISTORY SURVEY The Center for Aquatic Ecology invites applications for a position at the Assistant Professor/SCIENTIST level available summer 1994. Applicants must hold a Ph.D. in an appropriate discipline and conduct research on freshwater lentic or lotic systems. Applicants with interests in the responses of organisms, populations, communities, and ecosystems to natural or anthropogenic perturbations are especially welcome. Preference will be given to candidates whose research complements existing strengths within the Center. The successful candidate will be expected to develop an active, externally funded research program. The primary function of Professional Scientists at the Survey is to conduct self-directed research in their area of interest. Opportunities to teach and direct graduate students are available through the University of Illinois. Please send a letter of application, curriculum vitae, a statement of research interests, reprints of no more than three representative publications, and the names and addresses of three references to: Jacqueline Sanders, Personnel Officer, Illinois Natural History Survey, 1303 S. although Road, Chicago, IL 60607. FAX: 217-333-4949. Applications should be received by January 31, 1994, to be considered for the position. The Illinois Natural History Survey is an Equal Employment Opportunity/ADA Employer.

MOLECULAR BIOLOGIST Applications are invited from candidates with substantial research experience in molecular biology and recombinant DNA techniques in "Role of cytokines in implantation". Send curriculum vitae and names of three references to: Dr. Tabiabzadeh, Department of Pathology, Moffitt Cancer Center, 12902 Magnolia Drive, Tampa, FL 33612 or call 813-979-7237.
WASTE REDUCTION SPECIALIST: Organizes and conducts waste reduction programs on small businesses throughout Iowa. Conducts on-site reviews of businesses covering environmental regulation review and recommendation for both waste reduction and compliance in the areas of air, water, solid and hazardous waste management. Duties include helping small businesses meet requirements under the Clean Air Act, e.g., air permits, emission inventory, air dispersion modeling, etc. Research new and emerging waste reduction techniques and equipment. Provide technical assistance to business and state agencies. Conduct short training courses and make presentations to trainings and seminars for small business groups on environmental regulations and requirements, waste reduction, pollution prevention, recycling, etc. Experience must include 2 years in project management (inspection and evaluation, feasibility study) of industrial projects and 1 year of working with hazardous material in an R&D environment. Must have knowledge of waste reduction and hazardous waste management and air quality management covering Resource Conservation and Recovery Act (RCRA), Superfund Amendment and Reauthorization Act (SARA), and Emergency Planning and Community Right-to-Know Act. Must have 40-hour formal training in hazardous materials. Must have 30-hour training in asbestos. Must be able to travel. Send resume to: Job Service of Iowa, P.O. Box 2160 (925 East 4th Street), Waterloo, IA 50704. Refer to Job Order #IA 1100238. This advertisement is paid for by the employer.

SCIENCE WRITER—to join the Office of Public Affairs of a scientific society representing 22,000 members. Responsibilities include interviewing scientists, assembling news releases, and preparing articles on issues that affect science, and preparing articles explaining the importance of basic neuroscience research. Experience required: at least 5 years of reporting and writing about science—preferably neuroscience; proven ability to make complicated concepts understandable to the public; knowledge of science politics. Salary from mid 30's to low 40's. Excellent benefits, including health and pension plans, personal leave, paid vacation days, and more. Mail cover letter, resume, and 3-5 clips of science articles to: Science Writer, Society for Neuroscience, 11 Dupont Circle NW, Suite 500, Washington, DC 20036. No telephone calls, please.

DIVISIONAL TOXICOLOGIST, for Manufacturer in the Cincinnati area. Provide human safety support for the development and marketing of personal hygiene products. Review product designs, materials, and existing chemical and toxicological data on new chemical ingredients. Design, execute and interpret state-of-the-art toxicological and clinical studies to support safety of products for intended use and foreseeable misuse. Consult with company and external resources, conduct risk assessment, and coordinate final approval for product prior to marketing. Ph.D. in Toxicology or Biology with emphasis in Toxicology required plus one year of experience in job offered or one year of relevant experience as a toxicology research scientist in immunotoxicology. One year of experience must involve in vivo and in vitro assessments of toxicity and design of new biocatalytic methodologies to determine function of chemicals living systems via trans-dermal exposure. 40 hours per week, 8:30-4:30, Salary $52,500 per year. Must have proof of legal authority to work indefinitely in United States. Send resume in duplicate (typed) to: G. Maugans, JO# 1230929, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.

ANNOUNCEMENTS

MEVALIUMEDICAL UNIVERSITY OF SOUTH CAROLINA offers programs leading to Ph.D. and M.D./Ph.D. degrees in each of the basic Biomedical Sciences (Biochemistry, Microbiology/Immunology, Pathology, Pharmacology, Physiology), Biomedical/Epidemiology, Pharmacological Sciences, and Molecular & Cellular Biology. Competitive stipends ($10,000 to $15,000) available. Contact: College of Graduate Studies, MUSC, 171 Ashley Avenue, Charleston, SC 29425-2501.

CAENORHABDITIS GENETICS CENTER (CGC) The CGC acquires, maintains and distributes genetic stocks of Caenorhabditis elegans for use by investigators initiating or continuing research on this nematode. The CGC's collection of more than 1900 strains includes one allele of each mapped gene, all available chromosome rearrangements, and selected mutant alleles of genetic mapping. Requests for strains should include a brief statement of the research or training activity for which the stocks are intended. Requests are accepted to acknowledge the CGC, which is supported by NIEH's National Center for Research Resources, in publications resulting from the use of the strains and to provide the CGC with reprints of those publications. The CGC also provides information about C. elegans, largely through the Worm Breeder's Gazette. Inquiries should be addressed to: Theresa L. Stiernagle, Curator Caenorhabditis Genetics Center 250 Biological Sciences Center University of Minnesota 1445 Gortner Avenue St. Paul, MN 55108-1095

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Bleecker, Anthony B. See Chang, Caren.
Bliss, Timothy V. P. See Smirnova, Tania.
Boehler, Robert A.; Rosati, Rosario.
Boguski, Mark S. See Lawrence, Charles E.
Boland, John J.: Manipulating chlorine atom bonding on the Si(100)-(2×1) surface with the STM. p1703 10 Dec 1993.
Bonani, Georges. See Harrison, Kevin G.
Bone, L. J. See Bergoffen, J.
Bonacci, Azad; Fossati, A.; Schindler, Chris; Greenberg, Michael E.: Characterization of a pathway for ciliary neurotrophic factor signaling to the nucleus. p1575 3 Dec 1993.
Boothroyd, John C. See Kim, Kami.
Borén, Thomas; Fall, Per; Roth, Kevin A.; Larson, Göran; Normark, Staffan: Attachment of Helico- bacter pylori to human gastric epithelial mediat- ed by blood group antigens. p1892 17 Dec 1993.
Borrell, Frank. See Freeman, Gordon J.
Bosmann, S. H. See Murphy, C. J.
Boston, Rebecca; See Xin, Xingxiang.
Bourne, Herbert R. See Selvin, David W.
Boussiotis, Vassilis; See Freeman, Gordon J.
Bradforth, Stephen E. See Manolopoulos, David E. Bradshaw, Jeff. See Hathcock, Karen S.
Branton, D. See Yan, Y.
Breiden, Dale E. See Kane, Darci J.
Briati, Frederick M. See Asch, Adam S.
Brito, Brice; Mass, Mark. A.
Brinkhous, Kenneth M. See Kay, Mark A.
Brockhaus, Manfred. See Padovan, Elisabetta.
Broecker, Wallace S. See Harrison, Kevin G.
Bromonschenkel, Sergio H. See Martin, Gregory B.
Brogi, Rosi; Gröning, Karsten; Behrens, Sven-Erik; Lühmann, Reinhard; Krämer, Angela: Interaction of mammalian splicing factor SF3a with U2 snRNP and relation of its 60-kD subunit to PRP1. p102 1 Oct 1993.
Brown, E. G., Jr. See Jackson, W. E.
Brownlee, D. E. See Love, S. G.
Bruce, P. G. See Lightfoot, P.
Brus, L. E. See Wilson, William L.
Brezohobary, Bêtislav; Moore, Ian; Kristoffersen, Peter; Bako, Lastio; Campos, Narciso; Schell, Jeff; Palme, Klaus: Release of active cytokinin by a- glucosidase localized to the maize root mer- istem. p1051 12 Nov 1993.
Burakoff, Steven J. See Ravichandran, Kodimangal- sami S.
Burgeon, Emmanuel. See McCaffrey, Patricia G.
Burger, Alexander. See Berendes, Robert.
Burki, Kurt. See Bachmann, Martin F.
Burn, Paul. See Ravichandran, Kodimangalam S.
Burns, Julie F. See Raff, Marc C.
Bus, Schelte J. See Birzel, Richard P.
Busch, Michael P. See Lee, Tsong-Hae.
Calame, K. See Shrivastava, A.
Cals, Jeffrey M. See Vargo, Terrence G.
Campos, Narciso. See Brzobohaty, Bêtislav.
Cannell, M. B. See Cheng, H.
Cantley, Lewis C. See Ravichandran, Kodimangal- sami S.
Cao, Xingsing. See Noguchi, Masayuki.
Capponi, J. J. See Nutes-Reguiesio, M.
Carew, Thomas J. See Empmate, Nigel J.
Carr, Robert W. See Tonkinson, Anna Lee.
Casorati, Giulia. See Padovan, Elisabetta.
Cayan, Daniel R. See Ely, Lisa L.
Cech, Thomas R. See Sullenger, Bruce A. See also Willis, Michael C.
Ceri, R. See McClelland, J. J.
Chamot, R. S. K. See Ye, Binhui H.
Chamberlain, Scott. See Rubinfeld, Bonnee.
Champion, Duane E. See Mankinen, Edward A.
Cham, Ignatius. See Leso, Rauf F.
Chance, P. F. See Bergoffen, J.
Chanock, Robert M. See Mahy, Brian W. J.
Chapell, J. See Raynaud, D.
Chapon, Christine. See Legrain, Pierre.
Charles, C. D. See Shemesh, A.


Chen, K. See Bergoffen, J.


Chen, Mu-San. See Vargo, Terrence G.

Chen, Ruey-Hwa. See Ebner, Reinhard.


Chernyak, Ori. See Plaxer, Eli.

Chichester, Robert J. See Betzig, Eric.

Childs, James. See Nichol, Stuart T.

Chipperfield, Michael A. See Cuticchia, A. Jamie.

Chou, Janice Yang. See Lei, Ke-Jian.

Christie, D. M. See Graham, D. W.


Chunwongse, Julapark. See Martin, Gregory B.


Cimeros, Ronald L. See Tianabos, Arthur O.

Clayes, Karen M. See Foss, Henriette M.

Clarke, Neil. See Shortle, David.


Clements, John D. See Rosenmund, Christian.


Clerici, Marco. See Salk, Jonas.

Clerici, Marco. See Shearer, Gene M.


Colban, W. A. See Inett, G. A.


Cohen, Mitchell L. See Hughes, James M.

Colles, Harriet S. See Raff, Martin C.


Colman, R. See Cess, R. D.

Combes, J.-M. See Jackson, W. E.

Comiso, C. See Sullivan, C. W.


Conradson, S. D. See Jackson, W. E.


Corbett, John D. See Sewov, Slavi C.


Crabtree, Gerald R. See Spencer, David M.

Craig H. See Kim, R.-K.


Crow, T. See Yan, Y.

Croxier, Peter A. See Lobo, Raul F.


Cronin, T. See Yan, Y.

Cronin, T. See Yan, Y.

Cronin, T. See Yan, Y.

Cronin, T. See Yan, Y.

Cronin, T. See Yan, Y.
Jagadeesh, Bharathii; Wheat, Heidi S.; Ferster, David: Linearity of summation of synaptic potential
Jain, Jugnu. See McCaffrey, Patricia G.
Jankov, Elizabeth M.: review of Spiders in Ecological
Jann, Barbara R.: note at the envelope (editorial).
jain, Jyotsna. See Freeman, Gordon.
Janz, Rolf. See Jiang, Xiangyan.
Javadi, Reza; Atwood, J. W.: Letters to the publisher.
Jazwinski, Harry; Wolf, Michael D.: review.
Jean, Show: review.
Jean, Alain. See Kauffman, David.
Jean, Alain. See Kauffman, David.
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Jean, Alain. See Kauffman, David.
Jean, Alain. See Kauffman, David.
Shmamoto, Nobuo. See Kabata, HIroyuki.
Shirodkar, Suman. See Krek, Wilhelm.
Shortle, David and Clarke, Neil: Alpha helix pro-

duced by sonicated nucleic acids (technical comment).
Shpaer, Eugene G. See Delwart, Eric L.
Shrivastava, A.; Saleque, S.; Kalpana, G. V.;
Artandi, S.; Goff, S. P.; Calame, K.: Inhibition of
transcriptional regulator Yin-Yang-1 by asso-
Shubik, Philip: Carcinogenicity certification (let-
Sidbury, James B. See Lei, Ke-Jian.
Signor, Philip W.: review of The Great Paleo-

Silva, Alcino J.; Taylor, Richard; Wehner, Jeanne M.;
Silva, Herman. See Chen, Xizhang.
Sim, Calvin (minorities in science '93): Last hired,
first fired? minorities retreat in defense. p.1125 12
Nov 1993.
Singer, Mark S. See Baumhueter, Susanne.
Singer, Michael J. See Selker, Eric U.
Sirum-Connelly, Karen and Mason, Thomas L.: Func-
tional requirement of a site-specific ribose 
Sissonwine, M. P. See Rosenberg, A. A.
Skrtucki, M. F. See Binzel, Richard P.
Sloton, Lynn N. See Seligman, James M.;
Smirnova, Tania; Laroche, Serge; Errington,
Michael L.; Hicks, Andrew A.; Bliss, Timothy
V. P.; Mallet, Jacques: Transsypatric expression of
a presynaptic glutamate receptor during hip-

Smirnova, Tania; Stinnakre, Jacques; Mallet,
Jacques: Characterization of a presynaptic glutama-

Smith, Lloyd M.: The future of DNA sequencing
Smith, William C. See Lamb, Teresa M.
Sneh, Ofer. See Flaxer, Eli.
Snow, Jonathan E.; Hart, Stanley R.; Dick, Henry
J. B.; Orphan stromitin-87 in abyssal peridotites:
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Sokolov, A. P. See Cess, R. D.
Soldati, Dominique. See Kim, Kami.
Songyang, Zhoud. See Ravichandran, Kodimang-
Sons.; Sontheimer, Erik J. and Steitz, Joan A.: The U6
and U6 small nuclear RNA's as active site components
Soriano, Philippe. See Grant, Seth G. N.
Sorrentino, Rosa. See RichelT, Luca.
Souza, Brian. See Rubyhgl, Bonnee.
Spencer, David M.; Wandless, Thomas J.;
Schreiber, Stuart L.; Crabtree, Gerald R.: Con-
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M.; Roy, Dwijender N.; Hugon, Jacques; Lu-
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Speinke, J. See Muller, W.
Spiropoulou, Christina F. See Nichol, Stuart T.
Spivey, Rody. See Martin, Gregory B.
Spohr, Georges. See Klo, Malgorzata.
Spraycho, P. V. See Seligman, James M.
Spudich, James A. See Uyeda, Taro Q. P.
Squire, Larry R. See Knowlton, Barbara J.
Squires-Wheeler, Elizabeth. See Risch, N.
Srinivasarao, Mohan. See Guerra, John M.
Stachel, S.; Stachel, S. E.; Lee, Steven M.;
Stahl, Neil. See Anderson, Terrence J.
Stanton, William: review of Picturing Nature, by


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Wei, Xiangyang. See Wheat, Michael. See Wheat, Robert A. See Wheat, Alix. See Wheat, Jeanne S.

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X-Z

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