COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES
University of California, Davis

Inquiries are invited from qualified applicants for faculty positions available July 1, 1995.

**Assistant Cooperative Extension Food Safety/Microbiology Specialist.** Responsibilities include extension teaching and applied research concerning microbial safety of foods. Apply to: Carl Winter, Dept. of Food Science and Technology, by November 30, 1994.

**Assistant/Associate Cooperative Extension Animal Nutritionist.** Major emphasis will be on dairy and beef cattle nutrition with minor emphasis on small ruminants, swine, and horses. Apply to: Steven Berry, Dept. of Animal Science, by November 30, 1994.

**Assistant Professor and Assistant Social Scientist.** Understanding of community organization and social change as well as a general knowledge of the social policy and the planning process. Apply to: Alvin Sokolow, Dept. of Applied Behavioral Sciences, by November 1, 1994.

**Assistant Professor and Assistant Watershed Hydrologist.** Teach an undergraduate summer field course in hydrology, an integral part of the new Hydrologic Science major, a graduate level course in field and experimental watershed hydrology methods, and an undergraduate general education course in watershed management. Develop a quantitative field-experimental research program in Watershed Hydrology emphasizing processes that may include land-atmosphere interactions, precipitation and runoff, surface water and groundwater interaction, etc., and chemical cycling in watershed. Apply to: W.W. Wallender, Dept. of Land, Air and Water Resources, Hydrologic Sciences, by October 31, 1994.

**Assistant Professor and Assistant Textile Scientist.** Teaching will include formal course work at the undergraduate and graduate levels in textile dyeing and finishing, textile and polymer science, and environmental chemistry. Research responsibilities will focus on textile and polymer chemistry with an environmental emphasis. Apply to: You-Lo Hsieh, Dept. of Textiles and Clothing, by January 15, 1995.

**Assistant Professor specializing in Environmental/Resource Policy.** Applicant should have a Ph.D. specializing in environmental or resource economics, or in a closely related field such as environmental policy, public policy, or political science; a strong background in economics and strong quantitative and research skills are essential. This position includes an appointment in the agricultural experiment station. Apply to: Seymour Schwartz, Division of Environmental Studies, by January 15, 1995.

**Assistant Professor and Assistant Developmental/Behavioral Scientist Focusing on Adolescence.** Teach at the undergraduate and graduate levels. Develop a research program which focuses on behavioral development throughout adolescence and guide graduate student research. Apply to: Rosemarie Kraft, Dept. of Applied Behavioral Sciences, by January 15, 1995.

**Assistant Professor and Assistant Biochemical Engineer/Fermentation Scientist.** Conduct research in winemaking/fermentation science, establish basic research program, teach in enology/biochemical engineering. Apply to: Roger B. Boulton, Dept. of Viticulture and Enology, by December 31, 1994. (Reopened)

*These are 9-month tenure track appointments. Eleven month term employment will be offered and continued based upon academic personnel review.

**These positions are to be filled at the Assistant Professor or Assistant Cooperative Extension Specialist (11-month salary) level.

Positions anticipated to be open in the near future are listed below. Direct inquiries to the Chair of the respective department.

**Economist/Agricultural Economist specializing in commercial agriculture, Department of Agricultural Economics.**

**Natural Resource or Environmental Economist, Department of Agricultural Economics.**

**Economist/Agricultural Economist specializing in International trade or Development Policy, Department of Agricultural Economics.**

**Full Professor and Endowed Chair specializing in the Economics of Transporting Agricultural and Related Products, Department of Agricultural Economics.**

**Assistant Professor and Cereal Geneticist, Department of Agronomy and Range Science.**

**Assistant Professor and Bioenvironmental Engineer-Animal Environment Emphasis, Dept. of Biological and Agricultural Engineering.**

**Experimental Nutritionist and Registered Dietitian, Dept. of Nutrition.**

**Bio-Systems Engineer, Dept. of Biological and Agricultural Engineering.**

**Conservation Biologist-Policy, Div. of Environmental Studies.**

**Food Chemist, Dept. of Food Science and Technology.**

**Mammalian Ecologist, Dept. of Wildlife, Fish, and Conservation Biology.**

**Nematologist focusing on nematode systematics and taxonomy, and curator of the UC Davis Nematode Collection, Dept. of Nematology.**

**Plant Biochemical Genetics, Dept. of Vegetable Crops.**

**Quantitative Agroecologist, Dept. of Agronomy and Range Science.**

**Soil Biogeochemist, Dept. of Land, Air and Water Resources.**

**Tropospheric Chemist, Dept. of Land, Air and Water Resources.**

**Assistant Professor, Graphic Designer, Visual Communications in Society, Dept. of Environmental Design.**

**Weed Ecologist, Dept. of Vegetable Crops.**

Professors positions have responsibilities for teaching, advising and research (in the Agricultural Experiment Station) and require teaching and research experience. Cooperative Extension positions have responsibilities for applied research and outreach. Candidates must have a Ph.D. in an appropriate field. Applicants should submit a resume, transcript (if within five years of graduation), statement of research and teaching experience, list of publications, and the names and addresses of at least three persons familiar with the applicant's qualifications, to individual and department as noted for position (department name), University of California, Davis, CA 95616. Please indicate the position(s) in which you are interested. The completed application must be received by date indicated for each position.

*The University of California is an Affirmative Action/Equal Opportunity Employer.*
**Annual Meeting of the American Society of Zoologists**

The American Microscopical Society
Animal Behavior Society
The Crustacean Society

**January 4-8, 1995**

Adam's Mark Hotel, St. Louis, Missouri

Meeting Hosted by: University of Missouri - St. Louis

---

**Society-Wide Symposium**

*Molecular Approaches to Zoology and Evolution* demonstrates how specific molecular approaches allow us to address major biological questions in zoology and focuses on how both novices and advanced users may apply these techniques. **Organized by:** Joan D. Ferraris, National Institutes of Health & Stephen R. Palumbi, University of Hawaii

---

**Don't Miss These Other Exciting Symposia**

- **Historical Patterns of Developmental Integration** examines the systematic concepts and methods underlying various comparative approaches; presents empirical case studies; and considers the implications of these findings for phylogenetic analyses of morphological characters. **Organized by:** Miriam L. Zelditch, Museum of Paleontology

- **Parasitic Effects on Host Hormones and Behavior** describes effects of parasites on invertebrate and vertebrate endocrinology, behavior and immune function. **Organized by:** Nancy Beckage, University of California Riverside

- **Risk Sensitivity in Behavioral Ecology** focuses on empirical tests of risk-sensitive models as approached from the perspectives of both behavioral ecology and animal psychology. **Organized by:** Peter Smallwood, Bryn Mawr College

- **The Biology, Ecology and Physiology of Zebra Mussels** reviews the brief but intensive research conducted on the North American experience with zebra mussels. **Organized by:** Jeffery L. Ram, Wayne State University

- **Recent Advances in the Study of Invertebrate Feeding Biodynamics** demonstrates the successful application of several recently developed video/computer technologies and their use for examining invertebrate feeding activities and processes. **Organized by:** Richard Tankersley, Gonzaga University

- **The State of Experimental Ecology: Questions, Levels and Approaches** brings together 23 speakers who discuss the field-experimental approach to the analysis of problems in animal evolutionary ecology. **Organized by:** Joseph Bernardo, Duke University

- **Phylogenies and Comparative Biology Stage II: Testing Hypotheses Derived From Phylogenies With Data From Extant Taxa** speakers illustrate how they use phylogenetic information to generate predictions that can be evaluated through observation or experiments. **Organized by:** Jonathan B. Losos, Washington University

- **Environmental Endocrine Disrupters** overviews problems and updates the most recent breakthroughs. Speakers address effects on endocrine, reproduction, nervous and immune systems and embryonic development. **Organized by:** Brent D. Palmer, Ohio University

---

For more information contact:
American Society of Zoologists • 401 N. Michigan Avenue • Chicago, Illinois 60611-4267
Phone: 312/527-6697 • Fax: 312/527-6640 • Email: kselvert@aszba.com
POSITIONS OPEN

CELL BIOLOGIST

The Biology Department at Swarthmore College invites applications for a tenure-track appointment at the ASSISTANT PROFESSOR level, to begin September 1994, pending the availability of funds. Swarthmore seeks a Eukaryotic Cell Biologist with research experience in molecular biology, who is committed to combining teaching and research at a small liberal arts college. Teaching responsibilities will include participation in introductory biology, teaching a sophomore-level lecture and laboratory course in cell biology, and an advanced seminar in an area of research interest. The area of research interest will be expected to establish an active research program that provides opportunities for undergraduate participation. A Ph.D. is required, and postdoctoral research experience is desirable. Applicants should submit a curriculum vitae, along with statements of teaching and research interests, and arrange to have three letters of recommendation sent to: Dr. W. John B. Jenkins, Chair, Cell Biologist Search Committee, Biology Department, Swarthmore College, Swarthmore, PA 19081-1397.

Swarthmore College is an Equal Opportunity Employer and specifically invites and encourages applications from women and minorities.

TWO BIOLOGY FACULTY POSITIONS

Northeast Missouri State University invites applications for two tenure-track positions at the ASSISTANT or ASSOCIATE PROFESSOR level, starting August 1995. We seek (1) a POPULATION GENETICIST to teach Introductory Genetics as well as Evolutionary Biology and (2) a CELL BIOLOGIST to teach Cell Biology. Both positions require a minimum of a major in Biology, general biology course work, a major research experience, and the opportunity to offer an advanced specialized course. Teaching and research are mutually exclusive. Successful candidates should be committed to both teaching and developing a research program involving undergraduate students. M.S. candidates. Laboratory space and start-up funds will be available.

Rank points in the nation by Money Guide, Northeast Missouri's only statewide, highly selective, public under-graduate liberal arts and sciences university. We are nationally recognized for our innovative assessment program and total commitment to a broad-based liberal arts and sciences education. Successful candidates will benefit from a university-wide 16:1 student/faculty ratio and the opportunity to work closely with faculty conducting research. Candidates must possess a Ph.D., or have completed a Ph.D. degree, by August 1995. Complete applications should include a curriculum vitae, statements of teaching philosophy and research goals, undergraduate and graduate transcripts, three letters of reference, and an indication of the position and rank for which you are applying. Candidates who wish to consider the Associate Professor rank should also provide evidence of substantial scholarly activity with undergraduates and excellence in instruction. All application materials should be sent to: Dr. Michael G. Tannenbaum, Biology Search Committee, Division of Science, Northeast Missouri State University, Kirksville, MO 63501. Telephone: 660-785-4597. Completed applications will be reviewed starting November 1994.

Northwest Missouri State University is an Affirmative Action/Equal Opportunity Employer committed to cultural and academic diversity and equality with the Americans with Disabilities Act.

FACULTY POSITION: The Department of Pharmacology, School of Medicine, University of Puerto Rico, a fully accredited institution has open tenure-track positions for ASSISTANT and ASSOCIATE PROFESSORS at the rank of Assistant Professor or at the rank of Associate Professor. Areas of Interest: Cardiovascular Pharmacology; Toxicology.

Send applications and three references to: Dr. Walrom C. De Matos, Professor, Department of Pharmacology, School of Medicine, University of Puerto Rico, P.O. Box 365067, San Juan, PR 00936-5067.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.

APPLICATIONS are due to the Chair, Search Committee, Laboratory of Parastology, School of Veterinary Medicine, University of Puerto Rico, Rm 220, UPR Medical Center, P.O. Box 6066, Mayaguez, PR 00681-6066.
Cadus Pharmaceutical Corporation is a rapidly growing biopharmaceutical company pioneering the discovery of drugs which regulate G-protein-mediated signaling pathways in the areas of inflammation, cardiovascular and neurological disorders. We presently seek highly motivated scientists with a proven track record at all levels to accelerate the development of our yeast based screening programs.

**SCIENTISTS**

**Receptor Biochemist:**
Ph.D. level scientist with 5-7 years experience in the area of biology and biochemistry of trans-membrane receptors. Training in pharmacology and receptor biochemistry is essential; experience in molecular biology is preferred. Strong management and communication skills (verbal and written) required. Job code: S-RB

**Receptor cDNA Cloning:**
Ph.D. level scientist with minimum 4 years post-graduate experience and proven track record, to participate in efforts to identify and clone novel G-coupled signal transduction components. Specific expertise in cDNA cloning and expression technologies essential. Job code: S-RC

**Cell Biologist:**
Ph.D. level scientist with minimum 4 years experience in studies on the cellular basis of receptor mediated signal transduction in mammalian systems. Training in molecular biology is essential; experience in assay development is preferred. Strong verbal and written communication skills required. Job code: S-CB

**RESEARCH SCIENTIST**

**DNA Sequencing:**
BS/MS with minimum 3 years experience with automated and manual DNA sequencing systems. Strong management and communication skills required. Will coordinate and manage DNA sequencing facility. Job code: S-DNA

**ASSOCIATE RESEARCH SCIENTISTS**

**Biochemistry:**
BS/MS level scientist with minimum 3 years experience in protein analysis and biochemistry. Experience in Western blot, ligand binding and cellular localization analyses is preferred. Job code: S-B

**Yeast Genetics:**
BS/MS level scientist with minimum 2 years experience in yeast genetics and/or molecular biology to aid in the development and adaptation of novel yeast strains to high throughput screening format. Job code: S-YG

**Molecular Biology:**
BS/MS level scientist with minimum 2 years laboratory experience in molecular biology. Expertise in DNA cloning and gene expression (yeast and mammalian) is essential, with expertise in protein analysis preferred. Job code: S-MB

**Screening:**
BS level scientist with experience in the design or development of high throughput screens, operation of BioMek or other robotic systems and/or management of compound libraries. Job code: S-S

Cadus offers competitive salaries and benefits as well as excellent opportunity for career growth in a stimulating, collaborative environment. Send CV and a list of references to: Science Search, Cadus Pharmaceutical Corporation, 180 Varick Street, 9th floor, New York, NY 10014. Please indicate job code on envelope. Cadus is an equal opportunity employer.

**U.S. GOVERNMENT**

**FOOD AND DRUG ADMINISTRATION**

**PHARMACOLOGIST/TOXICOLOGIST**

Review Scientist positions are available in the Center for Drug Evaluation and Research, U.S. Food and Drug Administration, Rockville, MD. As a part of a multidisciplinary scientific team, the scientists review and evaluate the results of studies submitted in support of New Drug Applications (NDA), Investigational New Drug Applications (IND), and amendments, to assess the safety of the drug, based on experiments conducted by the investigator. Review of the data includes evaluation of the quality and adequacy of testing to ensure that the studies support the manufacturers' claims for safety. Review recommended dosage levels to determine margin of safety for clinical use. Prepare comprehensive summaries of the data reviewed, and submit recommendations and conclusions for approval.

**QUALIFICATIONS:** Specific course work in the field of study and professional experience or directly related postgraduate education is required. A doctoral degree in the field of pharmacology or toxicology is highly desirable. Professional postgraduate experience in dermal and/or ocular acute, subchronic and chronic toxicity studies is desired for a position in our Division of Topical Drug Products.

Candidates for Civil Service or Commissioned Corps appointments must be U.S. citizens. Candidates for Staff Fellowships may be either U.S. citizens or resident aliens eligible for citizenship within four years.

**SALARY:** Civil Service salary range for GS-12 through GS-13 is $42,003 to $64,928. Salary, benefits, and level of responsibility are commensurate with education and experience.

**HOW TO APPLY:** Interested candidates should send a cover letter referring to position code SRC185, an Application for Federal Employment (SF-171), and/or detailed Curriculum Vitae along with a copy of college transcripts to:

**DHHS/PHS/Food and Drug Administration**
Center for Drug Evaluation and Research
5600 Fishers Lane; Room 11B-22; HFD-505
Rockville, MD 20857
Attention: Recruitment Staff

FDA IS AN EQUAL OPPORTUNITY EMPLOYER AND HAS A SMOKE FREE ENVIRONMENT
FACTORIES OPEN

DEPARTMENT OF BIOCHEMISTRY
UNIVERSITY OF ILLINOIS

Applications and nominations are invited for tenured faculty positions at the level of ASSOCIATE, ASSOCIA-

TE or FULL PROFESSOR. Applicants at the Assist-

ant Professor level must have a Ph.D., postdoctoral ex-

perience, a strong record of research accomplishments, and demonstrable potential for the development of an independent research program. Senior level applicants should have a national/international reputation and the required extramurally funded research program. All areas of bio-

chemistry will be considered; however, we are especially interested in biological and biomedical research directed toward the development of novel drugs and therapeutic agents. The department is one of the fastest growing departments at the University of Illinois. The successful candidate will be expected to develop a strong extramurally funded program in an area of ecolo-

gy. The expertise and area of research interest should include one or more of the following: plant, population, conservation, evolutionary, applied, or behavioral ecolo-

gy. Teaching duties will include undergraduate and spe-

cialty graduate courses. Ph.D. degree required. Post-

doctoral experience is preferred. Salary depends upon quali-

fications and experience. Send curriculum vitae, state-

ment of research and teaching interests, official col-

lege and university transcripts, and three letters of refer-

ence to: Chair, Search Committee, Department of Bio-

chemistry, University of Illinois, Urbana, IL 61801.

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

FACTORIES OPEN

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
ASSISTANT PROFESSOR

New Mexico Institute of Mining and Technology invites applications for a tenured-track position at the AS-

SISTANT PROFESSOR level in August 1995. We seek an individual capable of teaching courses in cell and molecular biology. Applicants must have evidence related research with animal systems using molecular techniques. Examples of desired research areas that would complement current research include: environmental physiology, public health, and conservation biology/biodiversity. Applicants with other environmental/molecular expertise are also considered. Teaching will be at the undergraduate and graduate lev-

els. The successful candidate will be expected to develop a vigorous research program involving graduate and undergraduate students. Teaching experience is highly desira-

ble. The successful candidate will be expected to conduct research using the state-of-the-art equipment and facilities provided by the department. The successful candidate will also be expected to participate in service activities in the department as well as teaching a course in biology. The successful candidate will be expected to start at the beginning of the fall semester. The Screens and Applications Deadline is October 20, 1995. Please send curriculum vitae, statement of research and teaching interests, and three letters of reference to: Chair of the Search Committee, Department of Biological Sciences, New Mexico Institute of Mining and Technology, Socorro, NM 87801.

FACTORIES OPEN

TERRESTRIAL PLANT ECLOGIST

Clare Boothe Luce Faculty Chair

Creighton University invites applications from women in the field of terrestrial plant ecology for a Clare Boothe Luce Faculty Chair in the Biology Department. This position is a nine-month appointment at the ASSISTANT PROFESSOR level and begins in August 1995. The position is a rotating chair, established under terms of the Luce Foundation to increase the representation of women in science. The successful candidate will be expected to develop and maintain a vigorous research program in plant ecology, and a strong commitment to excellence in teaching is essential. A strong background in field and laboratory techniques is necessary. A Ph.D. in plant biology and a strong commitment to excellence in teaching are required. The position is a rotating chair, established under terms of the Luce Foundation to increase the representation of women in science. The successful candidate will be expected to develop and maintain a vigorous research program in plant ecology, and a strong commitment to excellence in teaching is essential. A strong background in field and laboratory techniques is necessary. A Ph.D. in plant biology and a strong commitment to excellence in teaching are required. The position is open to women only. Applications should include a cover letter, curriculum vitae, a statement of research interests, and three letters of reference to: Chair of the Search Committee, Biological Sciences, Creighton University, Omaha, NE 68178-0103, USA.

TWO TENURE-TRACK ASSISTANT PROFESSOR POSITIONS IN DEVELOPMENTAL NEUROSCIENCE

Department of Neurobiology and Anatomy:

The University of Oregon School of Medicine invites applications for two tenure-track assistant professor positions in the Department of Neurobiology and Anatomy. The department has a strong neuroscience program, with an emphasis on cellular and molecular neuroscience. The successful candidate will be expected to develop and maintain a vigorous research program in any area of neuroscience, as well as to participate in teaching activities at the undergraduate and graduate levels. The position is open to women only. Applications should include a cover letter, curriculum vitae, a statement of research interests, and three letters of reference to: Chair of the Search Committee, Biological Sciences, Creighton University, Omaha, NE 68178-0103, USA.

1994

SCIENCE • VOL. 265 • 23 SEPTEMBER 1994
As a means of increasing the number of U.S. citizens trained in disciplines of science and engineering of military importance, the Department of Defense plans to award approximately 90 new three-year graduate fellowships in April 1995. National Defense Science and Engineering Graduate Fellowships will be awarded for study and research leading to doctoral degrees in, or closely related to, the following disciplines:

AERONAUTICAL AND ASTRONAUTICAL ENGINEERING
BIO SCIENCES (Includes Toxicology)
CHEMICAL ENGINEERING
CHEMISTRY
COGNITIVE, NEURAL, AND BEHAVIORAL SCIENCE
COMPUTER SCIENCE
ELECTRICAL ENGINEERING
GEOSCIENCES (Includes terrain, water, and air)
MANUFACTURING SCIENCES AND ENGINEERING (Includes Industrial Engineering)
MATERIALS SCIENCE AND ENGINEERING
MATHEMATICS
MECHANICAL ENGINEERING
NAVAL ARCHITECTURE AND OCEAN ENGINEERING
OCEANOGRAPHY
PHYSICS (Includes Optics)

National Defense Science and Engineering Graduate Fellows selected in 1995 will receive a stipend in addition to full tuition and required fees. The amount of the stipend is $16,500 for 1995-1996; $17,500 for 1996-1997; $18,500 for 1997-1998. Also, the fellow’s graduate academic department will receive $2,000 per year.

Recipients of National Defense Science and Engineering 1995-1996 Graduate Fellowships do not incur any military or other service obligation.

Specific information regarding the fellowship and an application package are available from Battelle Memorial Institute, a not-for-profit research institution, which is administering the program for the Department of Defense.

To request a copy of the application materials to be mailed directly to you, contact Battelle at the following address:

NDSEG Fellowship Program
200 Park Drive, Suite 211
P.O. Box 13444
Research Triangle Park, NC 27709-3444
ATTN: Dr. George Otterson
(919) 549-8505
NDSEG@ARO-EMH1.ARMY.MIL

Completed applications must be received by Battelle by January 18, 1995.
POSITIONS OPEN

ASSISTANT PROFESSOR
PSYCHOPHYSICS/COGNITIVE AND NEUROSCIENCE/NEUROPHYSIOLOGY

The Department of Psychological and Brain Sciences at the University of Iowa invites applications for an assistant professor position in the area of psychophysics. Responsibilities include teaching undergraduate and graduate courses in psychophysics and developing a research program that will contribute to the field. The successful candidate will be expected to establish a strong research program and to contribute to the academic environment of the department. Applications are encouraged from individuals who are committed to diversity and inclusion. The start date for this position is September 1, 2023. For more information, please contact Dr. Karen L. De Jong, Chair, Department of Psychological and Brain Sciences, University of Iowa, Iowa City, IA 52242, karen-dejong@uiowa.edu. Review of applications will begin immediately and continue until the position is filled.

POSITIONS OPEN

CELL BIOLGIST
CARNegie MEllon UNIVERSITY

The Department of Biochemistry and Cell Biology at Carnegie Mellon University invites applications for an assistant professor position. The successful candidate will be expected to establish an independent research program that makes a significant contribution to the field of cell biology. Applications are encouraged from individuals who are committed to diversity and inclusion. The start date for this position is September 1, 2023. For more information, please contact Dr. Lisa J. Pecoraro, Chair, Department of Biochemistry and Cell Biology, Carnegie Mellon University, Pittsburgh, PA 15213. Review of applications will begin immediately and continue until the position is filled.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR PROGRAM IN DEVELOPMENTAL AND CELLULAR BIOLOGY

The Department of Developmental and Cell Biology at the University of California, Irvine invites applications for an assistant or associate professor position. The successful candidate will be expected to establish an independent research program that makes a significant contribution to the field of development and cell biology. Applications are encouraged from individuals who are committed to diversity and inclusion. The start date for this position is September 1, 2023. For more information, please contact Dr. Jane W. Gardner, Chair, Department of Developmental and Cell Biology, University of California, Irvine, Irvine, CA 92697, jane-gardner@uci.edu. Review of applications will begin immediately and continue until the position is filled.

POSITIONS OPEN

ASSOCIATE PROFESSOR ENVIRONMENTAL ETHICS

The Department of Philosophy at Washington University in St. Louis invites applications for an associate professor position in environmental ethics. The successful candidate will be expected to establish an independent research program that makes a significant contribution to the field of environmental ethics. Applications are encouraged from individuals who are committed to diversity and inclusion. The start date for this position is September 1, 2023. For more information, please contact Dr. Jane T. Anthony, Chair, Department of Philosophy, Washington University in St. Louis, St. Louis, MO 63130, jane-anthony@wustl.edu. Review of applications will begin immediately and continue until the position is filled.

POSITIONS OPEN

PLANT-PLASMA INTERACTIONS

The Department of Plant Biology at the University of California, Berkeley invites applications for an assistant professor position. The successful candidate will be expected to establish an independent research program that makes a significant contribution to the field of plant biology. Applications are encouraged from individuals who are committed to diversity and inclusion. The start date for this position is September 1, 2023. For more information, please contact Dr. Jane W. Gardner, Chair, Department of Plant Biology, University of California, Berkeley, Berkeley, CA 94720, jane-gardner@ucb.edu. Review of applications will begin immediately and continue until the position is filled.

POSITIONS OPEN

ASSISTANT PROFESSOR OF MICROBIOLOGY

The Department of Microbiology at The University of Iowa invites applications for an assistant professor position. The successful candidate will be expected to establish an independent research program that makes a significant contribution to the field of microbiology. Applications are encouraged from individuals who are committed to diversity and inclusion. The start date for this position is September 1, 2023. For more information, please contact Dr. Jane T. Anthony, Chair, Department of Microbiology, University of Iowa, Iowa City, IA 52242, jane-anthony@uiowa.edu. Review of applications will begin immediately and continue until the position is filled.
Lawrence Berkeley Laboratory, a major R&D facility under contract with the U.S. Department of Energy and located in the San Francisco Bay Area, has several senior positions to fill within their Energy & Environment Division.

The Division has approximately 300 scientific, technical, and administrative/clerical staff members, and carries out a broad interdisciplinary R&D program in energy end-use efficiency, indoor air quality, energy supply, environmental technologies, and related policy analyses. Technology transfer and technical assistance are integral parts of the Division's activities and of these positions.

Head of the Center for Building Science
The Center coordinates program development, R&D, and technology transfer/technical assistance activities among three buildings-related Research Programs: Building Technologies, Energy Analysis, and Indoor Environment. Also, the Center serves as a contact point for federal agencies and others interested in building technologies. The Center has a small scientific/technical/administrative staff. (Job #B/2833).

Leader of the Division's Washington D.C. Project Office
The Office serves as a contact to offices within the Department of Energy (DOE) and other Washington-based agencies on behalf of the Division. The Leader is also expected to develop and direct research projects, such as policy analyses, for which a presence in Washington is beneficial. The Office has a small scientific/technical/administrative staff in an office suite within a few blocks of DOE Headquarters. The Leader should expect to divide time roughly 80%/20% between Washington and Berkeley. (Job #B/2465).

Leader of the Lighting Systems Group
The Group is in the Building Technologies Program and works toward increased lighting efficiency, with preserved or enhanced human productivity. R&D activities include advanced lamp technologies, energy efficient fixtures, lighting design tools, and the relationship between lighting and human productivity. Some of the work is carried out through R&D subcontracts. The Group has about five staff scientists and technical/administrative support. (Job #B/2832).

Transportation Research Coordinator
The Division views the transportation field as one of potential growth and seeks a person to develop a coordinated transportation R&D program. At present, the Laboratory has strengths in electrochemistry for advanced batteries and fuel cells, combustion and emissions, materials, sensors, advanced manufacturing techniques, and thermal management of vehicle interiors. (Job #B/2831).

Applicants should have substantial experience in one or more of the technical areas under the purview of the position, excellent communication skills, and significant management experience. For more information about the Laboratory and the Division, more detailed descriptions of the positions, and information on applying for them, please write to (include Job #: Lawrence Berkeley Laboratory, M/S 90-3026, One Cyclotron Road, Berkeley, CA 94720. Equal Opportunity/Affirmative Action Employer.

SCIENCE AND ENGINEERING FELLOWSHIPS IN JAPAN
The National Science Foundation (NSF) offers opportunities for research in Japanese universities, national research institutes, and corporate research facilities. Applicants must be U.S. citizens or permanent residents. These fellowship programs are conducted in cooperation with the Center for Global Partnership (CGP) and other Japanese organizations. Awards are available for graduate students, postdoctoral fellows, and senior investigators for 3-24 month research visits in Japan for (deadlines are indicated in parentheses):

- Long and Medium Term Research (November 1, April 1)
- Short Term for Cooperative Research (May 15)
- Dissertation Enhancement (November 1, April 1)
- Summer Institute for Graduate Students in Science and Engineering (December 1)

Awards are also available for Bilateral Seminars in Japan or the United States (May 15).

To apply for these programs, you may request the program announcement "International Opportunities for Scientists and Engineers" NSF 93-51 (Revised 11/93). This publication is available through STIS (Science and Technology Information System). NSF's online publishing system, described in NSF 93/4, "STIS Flyer." To receive a copy of the flyer, call the NSF Publications Section at 703-306-1130. For an electronic copy, send an E-mail message to stifly@nsf.gov (Internet) or stifly@nsf (BITNET). The TDD number is (703) 306-0090.

University of Utah
The Cognition and Neural Sciences Area in the Department of Psychology has two tenure-track positions open at the Assistant Professor level. One position is in Human Cognition. We are particularly interested in an individual whose work reflects an interest in the influence of higher level processes (e.g., knowledge, schemata, expectancies) on lower level ones (e.g., feature analysis, attention, perception) and who has some experience and interest in computational modeling. Some possibilities include research on object perception and recognition, object-based attention, scene processing, memory and attention, and the nature and organization of knowledge. However, we will carefully consider individuals showing strong promise in any area of human cognition.

The second position is for a Neurologist/Behavioral Neuroscientist. The faculty in the Neural Sciences subprogram has interests in brain structure and processes as they relate to animal behavior and cognition. In particular, we are looking for an individual whose research evaluates the neurobiological basis of behavior from an evolutionary perspective. The ideal candidate will have strong training in neuroscience, in the analysis of complex behavior systems, and in evolutionary theory, and will be able to contribute to the University's Graduate Program in Neuroscience.

Our Cognition and Neural Sciences Area is unique in that although Human Cognition and Neural Science are strong, independent subprograms, there are strong collaborations between the two areas that enrich graduate training and the intellectual climate of the department as a whole. Our goal is to find two individuals who will build on the strengths of the individual subprograms and the collaborative ties between them while having a breadth of interests that will enhance our links with other areas within the department or University, such as computer science, health, developmental, or our joint program in Cognitive and Clinical Neuropsychology. Successful candidates for both positions will have strong research programs and commitments to undergraduate and graduate instruction.

Send vitae, reprints, and statements of research and teaching interests to the appropriate search committee. Two, please arrange for three letters of recommendation to be sent directly to the committee. Candidates for the Human Cognition position should send these materials by December 15, 1994 to William A. Johnston, Cognitive Search Committee, Department of Psychology, University of Utah, Salt Lake City, UT 84112. Candidates for the Neuroethology position should send materials by December 15, 1994 to Sheri J. Y. Mizumori, Neuroethology Search Committee, Department of Psychology, University of Utah, Salt Lake City, UT 84112. Applications received after these deadlines may be considered if the positions are still open. Applications by women and ethnic minority candidates are especially encouraged. The University of Utah is an Affirmative Action/Equal Opportunity Employer and provides reasonable accommodation to the known disabilities of applicants and employees.
Population or evolutionary genetics, tenure-track ASISTANT PROFESSOR or ASSOCIATE PROFESSOR, to begin fall 1995. Applicants must have a strong, independent research program, preferably in an area that combines research in population and ecological genetics, molecular evolution and systematics, and the ecological genetics of species interactions. Candidates must possess a Ph.D. degree and promise to complete a research program involving significant undergraduate participation. Duties include teaching courses in microbiology, molecular biology, and the introductory biology program. Applicants should have a demonstrated devotion to undergraduate education and training in the Department of Genetics and Cell Biology, with the balance in either the Department of Zoology or Department of Botany. Applications will be accepted until the position is filled. Information about the position is available upon request at: Dr. Mark R. Kauhau, Chair, Department of Biological Sciences, Philadelphia College of Pharmacy and Science, 600 South 43rd Street, Philadelphia, PA 19104-4495.

The Philadelphia College of Pharmacy and Science invites applications for the position of ASSISTANT PROFESSOR in the Department of Basic Sciences, which offers four degree programs to over 100 undergraduate majors and has an excellent record in undergraduate research. The successful candidate will be expected to contribute to undergraduate education and develop a research program in which undergraduates can participate. Opportunities exist for joint graduate students with the Department of Biophysics. Applications will be accepted until the position is filled. Information about the position is available upon request at: Dr. Mark R. Kauhau, Chair, Department of Biological Sciences, Philadelphia College of Pharmacy and Science, 600 South 43rd Street, Philadelphia, PA 19104-4495.

The University of Pennsylvania invites applications from outstanding candidates for possible positions as Assistant or Associate Professor of Pharmacology and Toxicology. Applicants should have a Ph.D. in pharmacology, toxicology, or related area. The position will be at the Assistant Professor level, with an expected start date in the fall of 1995. Responsibilities will include teaching courses in quantitative methods, pharmacology, toxicology, and related courses. Applicants should have an excellent record of teaching and research productivity. Applicants should send a letter describing experience and current research interests, along with other materials, to: Chair, Search Committee, Department of Pharmacology, University of Pennsylvania, 236 Life Sciences Building, Philadelphia, PA 19104-4234.
Assistant Professor of Genetics

Applications are invited for a tenure-track position in the Department of Genetics with primary research and teaching interests in the molecular genetics of eukaryotes. Those with research interests in fungal genetics or molecular genetic approaches to cellular and developmental biology are especially encouraged to apply. The candidate will be expected to develop a strong creative research program and have a commitment to teaching at the undergraduate and graduate levels. The appointment could begin as early as September 1, 1995. Apply before December 5, 1994 by sending a curriculum vitae, list of publications, brief statement of research interests and three letters of reference solicited by the applicant to:

Dr. Robert Ivarie
Search Committee
Department of Genetics
University of Georgia
Athens, GA 30602-7223

The University of Georgia is an Equal Opportunity/Affirmative Action Employer. The Department of Genetics at the University of Georgia consists of 18 faculty members, including three members of the National Academy of Sciences. In addition to its vibrant research atmosphere, the department takes pride in the quality of its graduate student training program which is supported, in part, by NIH/NSR training grants. The selected candidate will be provided start-up funds, equipment and excellent laboratory facilities in a recently completed, state-of-the-art research building. Athens, located 70 miles from Atlanta in the rolling hills of northern Georgia, provides a pleasant, college-town, living environment. For additional information, contact Professor Robert Ivarie, chairperson of the search committee, at telephone number (706) 542-1424, fax number (706) 542-3910, or e-mail address: ivarie@bscr.uga.edu.

Postdoctoral Position in Experimental Oncology

St. Jude Children's Research Hospital

Danny Thomas, Founder
Memphis, Tennessee

A postdoctoral position is immediately available to participate in an established research program investigating the role of chromosomal translocations in the etiology of human leukemia and lymphoma. Current studies focus on the characterization of the pathophysiology of the t(1;2) fusion product, NPM-ALK, in lymphomagenesis (Science 263:1281, 1994) and on the molecular, biochemical and biologic analysis of the fusion protein produced by the t(3;5) rearrangement specific to acute myeloid leukemia, which our group has also recently cloned. Investigators are encouraged to determine the normal function of the ALK protein and of the proteins altered by the t(3;5) are also in progress. In addition, a number of opportunities exist for the translational studies linking these basic research findings to medical applications for cancer diagnosis and therapeutics, as well as for the molecular characterization of other leukemias or lymphoma-associated chromosomal translocations. Candidates possessing a Ph.D. and/or M.D. degree who are interested in joining a multidisciplinary group utilizing molecular cytogenetic, molecular biologic, and biochemical techniques to understand mechanisms of malignant transformation should submit a curriculum vitae, reprints, and names of three references by November 1, 1994 to: Dr. Stephan W. Morris, Department of Experimental Oncology, St. Jude Children's Research Hospital, 332 N. Lauderdale, Memphis, TN 38105. An Equal Opportunity/Affirmative Action Employer. We provide a smoke-free environment.

Tenure-Track Faculty

Plant Molecular Biology & Insect/Nematode Molecular Science

University of Maryland Biotechnology Institute

The Center for Agricultural Biotechnology (CAB) invites applications for two tenure-track faculty positions at the level of Assistant Professor. CAB is one of four research centers of the University of Maryland Biotechnology Institute. CAB's research emphasis is the molecular biology of plant and animal improvement, specifically, plant-pathogen interactions, insect molecular genetics and evolution, poultry viruses and vaccines, and biochemical engineering. Positions will be available in Fall 1995, when CAB moves to a newly constructed and equipped research building on the campus of the University of Maryland at College Park.

Within plant molecular biology, the area of research should address basic problems in plant genetics, physiology, development and/or metabolism that pertain to agricultural biotechnology. Preferred research areas include i) the study of plant responses to pathogens and/or pests, ii) the effects of abiotic environmental stresses on plant health, or iii) other research areas that relate to improving plant productivity.

Within insect or nematode molecular science, the research area should be of general significance, have a readily identifiable link to agriculture, and could be within the disciplines of genetics, development, biochemistry, physiology or molecular ecology. Examples of areas that would be considered include i) molecular genetics of plant or animal disease vectors that focus on invertebrate-symbiont interactions or on invertebrate-host interactions, ii) invertebrate pathology, including virology, iii) molecular genetics of fundamental physiological processes such as olfaction, immunity, pheromone/hormone synthesis, circadian rhythms and diapause, iv) molecular analysis of genetic processes such as sex determination, segregation distortion and chromosome loss.

The applicant's research program must be sustainable in a competitive funding environment. The investigator is expected to build a dynamic research group within the setting of an interdisciplinary research institute. For full consideration, submit current CV, selected reprints, short summary of research interests, and names of three recommenders by December 1, 1994 to:

Faculty Search Committee
Center for Agricultural Biotechnology
University of Maryland Biotechnology Institute
2113 Agriculture/Life Sciences Surge Bldg
College Park, Maryland 20742

UMBI is an affirmative action, equal opportunity employer.

Postdoctoral Position in Experimental Oncology

St. Jude Children's Research Hospital

Danny Thomas, Founder
Memphis, Tennessee

A postdoctoral position is immediately available to participate in an established research program investigating the role of chromosomal translocations in the etiology of human leukemia and lymphoma. Current studies focus on the characterization of the pathophysiology of the t(1;2) fusion product, NPM-ALK, in lymphomagenesis (Science 263:1281, 1994) and on the molecular, biochemical and biologic analysis of the fusion protein produced by the t(3;5) rearrangement specific to acute myeloid leukemia, which our group has also recently cloned. Investigators are encouraged to determine the normal function of the ALK protein and of the proteins altered by the t(3;5) are also in progress. In addition, a number of opportunities exist for the translational studies linking these basic research findings to medical applications for cancer diagnosis and therapeutics, as well as for the molecular characterization of other leukemias or lymphoma-associated chromosomal translocations. Candidates possessing a Ph.D. and/or M.D. degree who are interested in joining a multidisciplinary group utilizing molecular cytogenetic, molecular biologic, and biochemical techniques to understand mechanisms of malignant transformation should submit a curriculum vitae, reprints, and names of three references by November 1, 1994 to: Dr. Stephan W. Morris, Department of Experimental Oncology, St. Jude Children's Research Hospital, 332 N. Lauderdale, Memphis, TN 38105. An Equal Opportunity/Affirmative Action Employer. We provide a smoke-free environment.

Tenure-Track Faculty

Plant Molecular Biology & Insect/Nematode Molecular Science

University of Maryland Biotechnology Institute

The Center for Agricultural Biotechnology (CAB) invites applications for two tenure-track faculty positions at the level of Assistant Professor. CAB is one of four research centers of the University of Maryland Biotechnology Institute. CAB's research emphasis is the molecular biology of plant and animal improvement, specifically, plant-pathogen interactions, insect molecular genetics and evolution, poultry viruses and vaccines, and biochemical engineering. Positions will be available in Fall 1995, when CAB moves to a newly constructed and equipped research building on the campus of the University of Maryland at College Park.

Within plant molecular biology, the area of research should address basic problems in plant genetics, physiology, development and/or metabolism that pertain to agricultural biotechnology. Preferred research areas include i) the study of plant responses to pathogens and/or pests, ii) the effects of abiotic environmental stresses on plant health, or iii) other research areas that relate to improving plant productivity.

Within insect or nematode molecular science, the research area should be of general significance, have a readily identifiable link to agriculture, and could be within the disciplines of genetics, development, biochemistry, physiology or molecular ecology. Examples of areas that would be considered include i) molecular genetics of plant or animal disease vectors that focus on invertebrate-symbiont interactions or on invertebrate-host interactions, ii) invertebrate pathology, including virology, iii) molecular genetics of fundamental physiological processes such as olfaction, immunity, pheromone/hormone synthesis, circadian rhythms and diapause, iv) molecular analysis of genetic processes such as sex determination, segregation distortion and chromosome loss.

The applicant's research program must be sustainable in a competitive funding environment. The investigator is expected to build a dynamic research group within the setting of an interdisciplinary research institute. For full consideration, submit current CV, selected reprints, short summary of research interests, and names of three recommenders by December 1, 1994 to:

Faculty Search Committee
Center for Agricultural Biotechnology
University of Maryland Biotechnology Institute
2113 Agriculture/Life Sciences Surge Bldg
College Park, Maryland 20742

UMBI is an affirmative action, equal opportunity employer.

System Program Director

National Polar Orbiting Environmental Satellite System

Department of Commerce
National Oceanic and Atmospheric Administration (NOAA)
Pay: $96,830 to $120,594

The newly established National Polar Orbiting Environmental Satellite System (NPOESS) will be managed through the creation of an integrated program office. The office is comprised of personnel and functions from DOC/NOAA, DoD and NASA, and is located in Silver Spring, Maryland. The System Program Director is a key Senior Executive Service position within NOAA and is responsible for planning, design, development, testing and operation for the NPOESS. The incumbent defines and develops program objectives, strategies, and management methods for establishing and maintaining NPOESS services. Through initiation, replacement and improvement of system components, for space, ground and communications, mechanisms are developed to enable and assure that the component mix is efficient and contributes to performance. Briefings and negotiations with senior representatives from other agencies, foreign and domestic, are conducted in collaboration with the tri-agency partnership.

The position requires a broad knowledge and extensive experience in physical sciences, engineering or mathematics, as related to satellite development programs; professional experience in application of theories, principles and practices of modern system development; and planning and directing large-scale technology programs. "Special Sensitive Position": Background Investigation required.

For application material, please contact:
Heidi K. Smith or Renée Loudermill,
NOAA, Human Resources Management Office.
301-713-0530
Vacancy closes Oct. 21, 1994
Equal Opportunity Employer
AUDITORY SYSTEMS PHYSIOLOGIST

A full-time position at the ASSISTANT/ASSOCIATE/FULL rank is available at the Kresge Hearing Research Institute, Department of Otolaryngology, The University of Michigan Medical School. Applicants should have a Ph.D. in Physiology, Psychology, Neuroscience, or Bioengineering and at least two years of postdoctoral experience relevant to auditory transduction.

Successful candidates will be included in a research program in auditory transduction, including hearing, signal transduction, and auditory perception. The University of Michigan Medical School is a major teaching and research institution with a large community of investigators studying auditory perception.


TWO TENURE-TRACK FACULTY POSITIONS IN MARINE BIOLOGY

are available in the Department of Biology at UCLA, due to an expanding marine science program which includes faculty in developmental biology, immunology, and genetics. The faculty members at the University of Michigan, Department of Marine Sciences, the University of Wisconsin-Madison, and the University of California, Santa Cruz, have an outstanding research program in marine science.

The University of Michigan

The Department of Obstetrics and Gynecology at the University of Michigan is seeking applications at the ASSISTANT Professor level for a tenure-track position with a joint appointment in Basic Science department of the Medical School. Outstanding individuals with research experience or interests in preimplantation biology, developmental biology, signal transduction mechanism in tumorigenesis or regulation of gene expression by reproductive hormones are sought.

Interested candidates should send curriculum vitae, statement of research and teaching interests, and names and addresses of at least three references to: Professor James G. Morin, Marine Biology Search, Department of Biology, University of California, Los Angeles, CA 90024-1606.

The University of Arizona

The Department of Ecology and Evolutionary Biology seeks a biogeographer with expertise in systematics, to establish an active research program that will include teaching and research at the undergraduate and graduate levels. The department has a large and active research program in systematics, with a focus on biogeography, with faculty members in the fields of systematics, molecular biology, and evolutionary genetics.

## SCIENCE ADMINISTRATOR

Regeneron Pharmaceuticals, Inc. is at the forefront of research in the use of neuronal growth proteins for the treatment of degenerative and traumatic neurological disorders. Currently, we are seeking a highly effective Administrator to assume a central role in this major project.

Working closely with members of our senior scientific staff and legal team, this newly created position is responsible for coordinating collaborations with investigators at key Universities, Government Laboratories and Corporations. Duties include directing the flow of information and materials, as well as maintaining follow-up records. Protecting the company's intellectual property is a top priority.

Qualified candidates will have a Master's degree, or a Bachelor's degree with laboratory experience in science with a background in molecular or cellular biology and/or neurobiology. Excellent interpersonal and communication skills, and the ability to perform with a sense of urgency, are essential.

Our modern facility, located 20 miles north of Manhattan on a multi-acre wooded campus in Westchester county provides a supportive, highly collegial setting for lucrative career development. As a visible member of our staff you will receive a competitive salary and attractive benefits. For consideration send resume and salary history in confidence to: Human Resources, SA, Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, NY 10591-6706.

## NEUROBIOLOGY

University Of Utah

The Department of Biology at the University of Utah is seeking applications for one or two tenure-track positions in Neurobiology. Outstanding candidates in areas ranging from the neural basis of behavior to molecular neurobiology will be considered. We are looking for colleagues with broad interests in biology, who will interact productively with other members of our department, and who will establish strong independent research programs. The Department's faculty have research interests that span all of biology, from ecology and evolution through physiology, cell biology and biochemistry. Applications should have strong commitments to undergraduate teaching and research, as well as to graduate education. Rank is open. Applicants should submit a curriculum vitae, statement of research interests, and copies of up to four recent publications to the Neurobiology Search Committee, Department of Biology, University of Utah, Salt Lake City, UT 84112. Applications should also arrange for at least three letters of recommendation to be sent to the same address. Review of applications will begin November 1, 1994, and will continue until the appointments are made.

## ECOLOGY

University of Utah

The Department of Biology invites applications for one or two tenure-track faculty positions in ecology. Outstanding candidates will be considered regardless of specialty, but we will be particularly interested in applications from individuals who work in:

- behavioral ecology,
- evolutionary ecology,
- community ecology,
- ecosystem ecology.

We are looking for colleagues who will add diversity and strength to our program in ecology and evolution, and who will interact productively with other members of our department, which spans all of biology. Applicants should have strong commitments to undergraduate teaching as well as to research and graduate education. Rank is open. Applicants should submit a curriculum vitae, statement of research interests, and copies of up to four recent publications to the Ecology Search Committee, Department of Biology, University of Utah, Salt Lake City, UT 84112, and should arrange to have three or four letters of recommendation sent to the same address. Review of applications will begin November 1, 1994, and will continue until these appointments are made.

The University of Utah is an AA/EU employer. It encourages applications from women and minorities and provides reasonable accommodation to the know disabilities of applicants and employees.

---

### The Hopkins Marine Station of Stanford University Announces the Availability of The David and Lucille Packard Chair in Marine Biology

The Hopkins Marine Station of Stanford University invites applications for the David and Lucille Packard Chair in Marine Biology. We seek candidates who have made outstanding scholarly contributions in marine biology and who would like to focus a significant portion of their future research on the biota of Monterey Bay and its surrounding waters. We are particularly interested in candidates who are intellectually broad based with preference given to experimental biologists who use an interdisciplinary approach to fundamental biological questions. Candidates with expertise at any level of analysis (e.g., molecular, cellular, organismic, ecological, or population) are encouraged to apply, especially those with a significant portion of their research focused on the organismal level or above.

The successful candidate will be expected to participate in the undergraduate and graduate teaching programs at the Marine Station and develop new courses in their area of expertise.

The appointment will be made at the full professor level in Stanford's Department of Biological Sciences with residence at the Hopkins Marine Station.

Applications, including research interests, curriculum vitae, and the names of five references, should be sent to: Marine Biology Search Committee, Hopkins Marine Station, Stanford University, Pacific Grove, CA 93950, no later than October 30, 1994.

---

### Leading the Way In The Medical Devices Industry

Miami Lakes-based CORDIS CORPORATION is one of the world's leading developers, manufacturers and marketers of catheters and related accessories for diagnostic and interventional cardiology and radiology as well as devices for neuroscience, neuroradiology and electrophysiology. Recently named the Miami Herald's "1993 Florida Company of the Year," Cordis accomplished a major turnaround over the past 5 years and is now achieving record highs in technical, operational and financial performance. We currently have an immediate opening for a

### Pre-Clinical Study Coordinator

Responsibilities include pre-clinical study protocol development and study monitoring, providing guidance in site evaluation and selection, assisting in the establishment of contractual relationships, and acting as Study Director by incorporating study results into regulatory submissions. To qualify, you must have a DVM, PhD, MD or equivalent plus 5 years related experience and a background in business/contract negotiations. In addition, a working knowledge of GLP regulations, Medical Device Safety Testing, and Medical Device Regulations and Registration requirements is essential.

Cordis offers competitive compensation including a 401(k) plan, educational assistance and a generous relocation package. Qualified candidates should forward resumes to: CORDIS CORPORATION, Attn: Employment, 14201 NW 60th Avenue, Miami Lakes, FL 33014 or Fax to (305) 882-2837. An equal opportunity employer m/f.

---

**Cordis**
POSITIONS OPEN

ACADEMIC POSITION

ASSISTANT PROFESSOR. The Department of Chemistry and Biochemistry of The University of Texas at Austin invites applications for a tenure-track ASSISTANT PROFESSOR position beginning September 1995. Exceptional candidates in all areas of chemistry/biochemistry will be considered. Candidates who have demonstrated outstanding research ability and show promise in teaching should forward curriculum vitae, statements of research plans, and three letters of reference by November 1, 1994, to: Search Committee, Department of Chemistry and Biochemistry, The University of Texas at Austin, UT 78712, Equal Opportunity/Affirmative Action Employer.

MOLECULAR, CELLULAR, OR SYSTEM NEUROBIOLOGIST. A tenure- or tenure-track position is available immediately for a neurobiologist using molecular, cellular, or systems approaches to study neural organization, development, or plasticity. The position provides freedom of time to pursue research, a competitive 12-month salary, excellent core facilities, and generous start-up funds and laboratory space. Candidates for an ASSISTANT PROFESSOR should have an ability to establish an independent and funded research program. A Ph.D. degree and postdoctoral experience is required. Send curriculum vitae, a brief statement of research interests, and names of three references by November 18, 1994, to: Chairman, Search Committee, Department of Anatomy and Neurobiology, Medical College of Ohio, Toledo, OH 43699-0008. Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR DEVELOPMENTAL BIOLOGY

TENURE-TRACK POSITION begins September 1995. Committment to excellent teaching and oriented undergraduate education required. Research with a vertebrate system preferred. Teach developmental biology, vertebrate morphology, introductory biology, and occasionally in the University's freshman program. Opportunity to develop specialty courses and to participate in interdisciplinary programs. Significant postdoctoral research experience desired. Send curriculum vitae, undergraduate and graduate transcripts, brief description of research and teaching interests, three letters of reference to: Dr. Bradford René, Department of Biology, Lawrence University, Appleton, WI 54912 by December 1, 1994. Equal Opportunity/Affirmative Action Employer: women and minority candidates especially encouraged to apply.

FACULTY POSITION BIOLOGICAL CHEMISTRY

The Department of Chemistry at the University of North Carolina at Chapel Hill invites applications for a TENURE-TRACK POSITION in biological chemistry. The successful applicant must have a Ph.D., postdoctoral experience, a strong record of research, and the ability to teach biological chemistry effectively at the undergraduate and graduate levels. Preference will be given to individuals who can establish a strong research program in biological chemistry, interact enthusiastically with other chemists and whose appointment would be at the rank of ASSISTANT PROFESSOR. Review of the applications will begin on October 15, 1994. Send a curriculum vitae, a brief research plan, a statement of teaching interests and four letters of recommendation to: Dr. Linda C. Gundersell, Department of Chemistry, CB# NE-3290, University of North Carolina, Chapel Hill, NC 27599-3290. The University of North Carolina is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR, BIOLOGY

WEST GEORGIA COLLEGE

Applications are invited for a tenure-track position. Ph.D. required, ABD considered. The applicant must have research background in Immunology preferably with the ability to teach serology, hematology or other clinical laboratory science. Send curriculum vitae, copies of publications, and letters from three references to: Dr. James N. Mathis, Chairperson Biology Search Committee, West Georgia College, Carrollton, GA 30118. Screening will begin November 15, 1994, and will continue until a suitable candidate is found. Inquiries: telephone: 404-836-6547 or Email: jm@unix.sun.cc.westa. edu. An Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

EVOLUTIONARY ECOLOGIST

Northern Illinois University anticipates a position for a tenure-track ASSISTANT PROFESSOR for fall 1995. A Ph.D. degree and postdoctoral research experience is required. The successful candidate is expected to develop a vigorous externally funded research program, direct graduate (M.S. and Ph.D.) students, teach introductory courses for majors and non-majors.

The candidate’s expertise should complement the existing program in ecology and evolutionary biology with preferences for research on field studies of vertebrates, plants, or plant-animal interactions. Teaching obligations will alternate between biostatistics and courses in ecology and evolution. Send a letter of interest, curriculum vitae, brief statement of research goals and teaching goals, representative reprints, and three letters of reference by November 4, 1994, to: Dr. Marvin Starzyk, Chair, Department of Biological Sciences, Northern Illinois University, DeKalb, IL 60115-2861. Telephone: 815-753-1753.

Northern Illinois University is an Affirmative Action/Equal Opportunity Employer.

CELL BIOLOGIST

ASSISTANT PROFESSOR/Tenure-Track. The Department of Zoology at the University of Georgia is reorganizing as the Department of Cellular Biology. We seek a new colleague addressing significant problems in cell biology at the cellular/molecular level. Areas of interest include: cell cycle regulation, cell polarity, and the organization and assembly of cellular structures. The successful candidate will be expected to establish an independent, externally funded research program, direct graduate students, and participate in teaching in our undergraduate and graduate cell biology courses. To apply, send curriculum vitae, description of research and teaching interests, and at least four letters of recommendation to: Marcus Fechheimer, Chair of Search Committee, Department of Zoology, University of Georgia, Athens, GA 30602.

Applications received by November 1, 1994, are assured of consideration. The University of Georgia is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

GEORGETOWN UNIVERSITY

The Department of Chemistry invites applications for two tenure-track faculty positions at the ASSISTANT PROFESSOR level in the areas of: biochemistry, inorganic chemistry, organic chemistry. Preference will be given to applicants with strong records of research (and research plans) in X-ray crystallography or NMR spectroscopy. Successful candidates will be committed to excellence in both research and teaching. A Ph.D. degree will be expected to establish vigorous, well-funded research programs. Applicants should send, by November 15, 1994, a curriculum vitae, a one-page summary of research accomplishments, description of future research plans, copies of primary publications and three letters of recommendation to: Chair, Recruiting Committee, Department of Chemistry, Georgetown University, Washington, DC 20057-2222. Georgetown is an Equal Opportunity/Affirmative Action Employer; applications from underrepresented minorities are encouraged.

ASSISTANT/ASSOCIATE PROFESSOR

The Division of Medicinal Chemistry and Natural Products, School of Pharmacy at The University of North Carolina at Chapel Hill has a tenure-track position available at the ASSISTANT/ASSOCIATE PROFESSOR level. Applicants must have a Ph.D. degree. Experience in either molecular biology or physical biochemistry are desirable, however, strong applicants in all areas related to medicinal chemistry will be considered. Individuals will be expected to develop a vigorous, independent research program and must have a strong commitment to undergraduate and graduate students. The search will remain open until position is filled. Interested individuals should submit curriculum vitae, a description of current and future research, three to five letters of recommendation to: Dr. Kenneth Bastow, Chairman, Search Committee, Division of Medicinal Chemistry and Natural Products, School of Pharmacy, CB# NE-7360, The University of North Carolina, Chapel Hill, NC 27599-7360. The University of North Carolina is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ASSISTANT PROFESSOR BIOCHEMISTRY/BIOPHYSICIST

STANFORD UNIVERSITY

The Department of Biological Sciences invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. We seek individuals using biochemical and physical approaches to study cell biological problems. This could include the study of macromolecular interactions and mechanisms in processes such as DNA replication, RNA transcription, protein transport, cytoskeletal functions, signal transduction, cell cycle regulation, and organellar assembly.

Applications from women and members of minority groups are particularly encouraged. For this position should send a letter of application, curriculum vitae, a statement of research interests, a statement of teaching experience and interests and the names/addresses of three references to: Biochemistry/BioPhysics Search Committee Department of Biological Sciences, Stanford University, Stanford, CA 94305-5020. The closing date for applications is November 30, 1994.

DEVELOPMENTAL BIOLOGIST, Eastern Michigan University. Tenure-track ASSISTANT PROFESSOR position available for Biology. Funding consists of 23 full-time faculty, offers undergraduate and graduate M.S. programs. We seek a developmental biologist interested in teaching the molecular and developmental biology and genetics. Position requires Ph.D. teaching experience, successful research program capable of attracting external funding. Submit letter of interest, curriculum vitae, transcripts, description of research and teaching interests/philosophy, recent reprints, three letters of reference by October 31, 1994, to: Position 390501, 204 King Hall, Eastern Michigan University, Ypsilanti, MI 48197. For additional information contact: Dr. Douglas Shapiro, Department Head, telephone: 313-487-4242. Women and members of minority groups encouraged to apply. Affirmative Action/Equal Opportunity Employer.

DUKE UNIVERSITY

TENURE-Track Assistant Professor In Pharmacology

Exceptional candidate at a higher level will also be considered. To complete a dynamic department we seek a molecular pharmacologist studying any aspect of cellular signaling. An emphasis on mechanistic and pharmacological strategies and drug discovery relevant to cancer or neurological disorders is desirable. The review of applications will begin immediately. Candidates should send a curriculum vitae, a one-page summary of research accomplishments, description of future research plans, copies of primary publications and three letters of recommendation to: Chair, Search Committee, Department of Pharmacology, Box 3813 DUMC, Durham, NC 27710. We are particularly eager to diversify our faculty and encourage women and minority candidates to apply. Duke University is an Equal Opportunity Affirmative Action Employer.

FACULTY POSITIONS CORNELL UNIVERSITY MEDICAL COLLEGE DEPARTMENT OF PHARMACOLOGY

Candidates are sought for two tenure-track positions at the level of ASSISTANT or ASSOCIATE PROFES- SOR. Candidates with interests in a wide range of areas related to the discipline of pharmacology will be consid- ered. The responsibilities of this position include develop- ment of an active, independent research program and participation in both medical and graduate student teach- ing programs in the department. Applicants should send a curriculum vitae, a summary of proposed research, and should have letters from at least three scientists who can evaluate the candidate's accomplishments. Cornell University Medical College is a part of the New York Hospital-Cornell Medical Center and adjacent to Memorial Sloan Kettering Cancer Center and Rock- efteller University. Applications should be sent to: Chair, Search Committee, Department of Pharmacology, Cornell University Medical College, 1300 York Avenue, New York, NY 10021. Equal Opportunity Employer/Affirmative Action/Male/Female/Disabled/Veteran.
Be rewarded for your research

The BF Goodrich Collegiate Inventors Program rewards university students and their faculty advisors doing research and innovative projects.

- Applications now being accepted for the 1995 National Competition.

**Deadline: February 14, 1995, 5 P.M.**

- Must be a full-time student in a U.S. college or university.
- Thousands of dollars in cash awards.

For information or applications call

1-800-968-4332 Ext. 1701

Administered by Inventure Place, home of the National Inventors Hall of Fame.

---

**U.S. DEPARTMENT OF ENERGY**

**POSTGRADUATE RESEARCH PROGRAMS**

- Human Genome
- Toxicology
- Fossil Energy
- Hazardous Wastes
- Fusion Energy
- Computer Sciences

- Global Change
- Engineering
- Physical Sciences
- Environmental Sciences
- Life Sciences
- Risk Analysis

- Research at national laboratories
- Stipends $22,200 - $52,800 depending on degree, program, research area
- Recent graduate degree
- U.S. citizenship or PRA status may be required

Information and applications:

**Postgraduate Research Programs**

Science/Engineering Education Division

Oak Ridge Institute for Science and Education

P.O. Box 117

Oak Ridge, TN 37831-0117

(615) 576-7385

---

**HARVARD MEDICAL SCHOOL**

Department of Neurobiology

The Department of Neurobiology invites applications for positions at the level of Assistant Professor. Candidates must hold the degree of Ph.D. or M.D. and have a minimum of two years of postdoctoral research experience. The department’s goal is to create a diverse and interactive research environment that includes individuals with expertise in molecular, cellular, physiological, and systems neuroscience. We thus encourage applications from individuals who will develop strong, independent research programs in any area of neuroscience, but who are also interested in an exchange of ideas and information among scientists taking diverse approaches to the study of nervous system development and function. We are especially interested in women and minority candidates.

Applicants should send a curriculum vitae, a brief statement of research accomplishments and plans, and the names of three individuals who might write on their behalf, before December 15, 1994 to:

Gerald D. Fischbach
Chairman
Department of Neurobiology
Harvard Medical School
220 Longwood Avenue
Boston, MA 02115

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

---

**ROCHE INSTITUTE OF MOLECULAR BIOLOGY GRADUATE FELLOWSHIPS**

Applications are invited for graduate fellowships in a program sponsored jointly by the Roche Institute of Molecular Biology and the Department of Biological Sciences at Columbia University. Selected students will complete their thesis research at the Roche Institute while academic requirements will be fulfilled in the Department of Biological Sciences at Columbia. This program is limited in size and highly competitive. Upon completion of the program, students will receive a Ph.D. degree from Columbia University. Persons holding a doctoral degree earned at any time and in any field are not eligible to apply. The Predoctoral Fellowships are intended for students who are at or near the beginning of their graduate study.

The Roche Institute of Molecular Biology, founded in 1967, is dedicated to basic research in emerging areas of molecular biology. Staff members enjoy complete independence in their choice and pursuit of research problems. The Institute is located in suburban New Jersey, approximately 10 miles west of Manhattan, making it readily accessible for lectures and courses at Columbia University and other educational centers in New York City.

Fellowships include stipend, paid tuition, scientific meeting travel support and additional benefits. GRE and TOEFL scores are required. Applications must be received by January 1, 1995 to be considered for the 1995-96 academic year.

For further information and application forms contact: Administrative Office - Graduate Program, (201) 235-2783. Roche Institute of Molecular Biology, Nutley, New Jersey 07110. We are an equal opportunity employer.
positions open

Valdosta State University
Head, Department of Biology

Tenure-track, fiscal year position as HEAD of the Department of Biology, Valdosta State University, at the rank of associate professor beginning 1 July 1995. Ph.D. in one of the biological sciences required, plus strong teaching and research skills; some administrative experience preferred. Department includes 20 full-time faculty and over 450 undergraduate majors, offers B.S. degree in biology, and provides important service courses for both the Colleges of Education and Nursing. Letter of application; a current curriculum vitae; transcripts of all undergraduate and graduate school; a summary statement of research interests, teaching philosophy, and administrative experience (if applicable); and letters from at least three references must be received by 15 November 1994. Send to: Thomas E. Dasher, Acting Dean, College of Arts and Sciences, Valdosta State University, Valdosta, GA 31698. Affirmative Action/Equal Opportunity Employer.

Faculty Position

Chief, Combined Research Program in Cardiovascular Sciences and Molecular Cardiology

The Department of Physiology and Internal Medicine at Texas Tech University Health Sciences Center seek to recruit a chief for a combined research program in Cardiovascular Sciences and Molecular Cardiology. This program is committed to research and research training in both the above departments. Interested faculty in other departments will be identified by the chief. In general, faculty members will have a primary appointment in the Department of Physiology, while those with an M.D. will have their primary appointment in the Department of Internal Medicine. All appointments are in the tenure track; tenure is dependent on prior experience. The Program Chief must be qualified to participate in the appropriate clinical programs which are in the Department of Internal Medicine and be an M.D. The Division of Cardiology is responsible for a successful Cardiovascular Fellowship Program as well as for the day-to-day operation of its clinics and in-patient services. Send curriculum vitae, a statement of research interests, relevant reprints and the names of three references by December 1, 1994, to: Dr. James Buell, Professor and Chief of Cardiology, Department of Internal Medicine, Dr. Sandra Sabatini, Chairman, Department of Physiology, Professor of Physiology and Internal Medicine, or Dr. N.A. Kukreja, Chairman, Department of Internal Medicine, Texas Tech University HSC, 3601 4th Street, Lubbock, TX 79430. An Equal Opportunity/Affirmative Action Employer.

Position Open

Director of the Marine Resources Center

The Marine Biological Laboratory (MBL) seeks highly qualified applicants or nominations for the position of DIRECTOR of the Marine Resources Center (MRC). The Director will be responsible for conducting an active biological research program using marine organisms, and for overseeing the marine resources department and the operations of the MRC, a new 32,000-square-foot facility for biological research and marine animal husbandry. The Director will hold a position as Senior Scientist at the Laboratory and will report directly to the Director of the MBL. Required qualifications include a Ph.D. or equivalent in a biological science, and active research program that uses marine organisms, an excellent record of publications in order to attract the standards for appointment as a Senior Scientist, strong management capabilities and interpersonal skills, and an ability to interact with the MBL community.

The search will remain open until a successful candidate is identified. Review of applicants will begin on December 15, 1994. Applications, or nominations, including a curriculum vitae and the names of at least three references, should be sent to:

Chair, MRC Search Committee

Marine Biological Laboratory

Woods Hole, MA 02543

Equal Opportunity/Affirmative Action/No Smoking workplace.

positions open

Nmr Facility Director Research Assistant Professor

The Department of Biochemistry of the University of Vermont College of Medicine has an immediate opening for a SPECIALIST in biological NMR. This person will be responsible for maintaining, operating and scheduling a new 500 MHz instrument. Duties include providing predoctoral associates and graduate students in the proper operation of the instrument, for assisting investigators in design of NMR experiments, in the implementation and use of pulse sequences, and for collaborative research efforts with users. This person will be free, but not required, to begin establishing his or her own research program. Salary is negotiable and will be commensurate with the background and experience of the candidate. Interested candidates should submit a resume, statement of research interests, and names of three references. Submit application materials to: Chair, Search Committee, Department of Biochemistry, University of Vermont, Burlington, VT 05405-0068. The University of Vermont is an Equal Opportunity/Affirmative Action Employer. Women and people of diverse backgrounds are encouraged to apply. Deadline is November 1, 1994.

Position Open

Evolutionary Biologist Comparative Physiology/Development

The Department of Biology, University of Miami, invites applications and nominations for a tenure-track position of ASSISTANT PROFESSOR. We seek an evolutionary biologist to join a faculty with strengths in ecology, behavior, and evolutionary biology. Preference will be given to individuals applying an evolutionary approach to study comparative physiology or developmental biology of plants or animals. Ph.D. degree required. The successful candidate will be expected to develop an innovative, externally funded research program, and to participate in teaching at the undergraduate and graduate levels. Applicants should send curriculum vitae, representative reprints, summary of research interests, and names of three references before December 1, 1994, to: Dr. J. Lee C. Lee, Chair, Search Committee, Department of Biology, P.O. Box 249118, University of Miami, Coral Gables, FL, 33124-0421, by 15 November 1994. The University of Miami is an Equal Opportunity/Affirmative Action Employer, and a smoke-free workplace.

Wayne State University

Chairperson

Department of Anatomy and Cell Biology

The School of Medicine at Wayne State University invites applications and nominations for the position of CHAIR of the Department of Anatomy and Cell Biology. The department has strong research programs in the areas of vision and neuroscience and we hope to attract an individual who will complement and/or enhance these areas of expertise. Candidates should have a distinguished record of scientific achievement, proven administrative and leadership skills, and a commitment to quality teaching in the anatomical disciplines.

Applicants should submit a statement of interest, a curriculum vitae and a brief list of references no later than November 1, 1994, to: Gary W. Abrams, M.D., Chairman, Search Committee, Kresge Eye Institute, 4717 St. Antoine, Detroit, MI 48201.

Program Director for SLSp

A Program Director position is open at Florida A&M University (FAMU) in the NASA-sponsored Space Life Sciences Program (SLSp). Duties include serving as a Program Director in conducting the day-to-day operations of the program in consultation with the Kennedy Space Center in Florida. An applicant must possess a Ph.D. degree in Life Sciences or related areas and some experience in teaching and research at a college or university level. Send curriculum vitae and three letters of recommendation before October 30, 1994, to:

Dr. K. Ken Redda
College of Pharmacy and Pharmaceutical Sciences
Florida A&M University
Tallahassee, FL 32307
Telephone: 904-599-3910
FAMU is an Equal Opportunity and Equal Access Institution. Women and minorities are encouraged to apply.

positions open

Laboratory Director Molecular Marine Biology, Environmental and Evolutionary Biology

The Pacific Biomedical Research Center, University of Hawaii at Manoa, seeks a director for the Kewalo Marine Laboratory. Situated on the south shore of Oahu, the laboratory houses modern facilities for the investigation of contemporary problems in environmental and evolutionary biology of marine organisms. The director will guide the redirection of the Kewalo program in molecular marine biology, environmental studies, and marine evolution for the biosciences: conservation biology, molecular ecology and evolution, symbiosis, recognition processes, environmental adaptation, human impacts on marine ecosystems, and marine infectious biology. Successful candidates should have an active, funded research program that includes use of molecular tools to answer questions in marine biology. Send curriculum vitae, copies of recent reprints, and the names and addresses of three potential references to: Chair, Search Committee, Pacific Biomedical Research Center, University of Hawaii at Manoa, 933 East-West Road, Honolulu, HI 96822. Applications will be accepted and considered until the position is filled; screening will commence on November 1, 1994. The University of Hawaii at Manoa is an Equal Opportunity/Affirmative Action Institution.

Ben-Gurion University of the Negev

The Jacob Blaustein Institute for Desert Research

Ben-Gurion University of the Negev seeks to fill the position of DIRECTOR for the Jacob Blaustein Institute for Desert Research. The Institute is engaged in basic and applied research in most aspects of desert sciences. Its goals are to advance understanding of desert environments and to promote sustainable development of the national and global drylands. The Blaustein Institute is part of Israel’s National Institute for Desert Research and includes the Blaustein International Center for Desert Studies. Its main campus is at Sede Boker with additional research facilities/activities in Beer-Sheva and throughout the Negev. Applicants should have a solid background in academic research, experience in research management at the executive level and fluency in both English and Hebrew. Applications will be accepted until December 1, 1994. Starting date in 1995 is negotiable. Interested candidates should send their curriculum vitae, selected reprints and list of references to: Prof. Zvi Priel, Search Committee Chair.

Department of Chemistry

Ben-Gurion University of the Negev

P.O. Box 653
Beer-Sheva 84105 ISRAEL

Director, National Museum of Natural History

Smithsonian Institution

Applications are sought for the position of DIRECTOR, National Museum of Natural History, Smithsonian Institution. Located in Washington, D.C., the National Museum maintains a wide range of vigorous programs in research, collections, exhibitions, and education. The Director, as the Chief Operating Officer, is responsible for a budget of $45 million and approximately 700 staff. The Director will report to the Smithsonian Institution and receives assistance from a nationally constituted advisory board.

Candidates should demonstrate scientific leadership, fundraising experience, ability to conceive and implement multi-disciplinary programs, be capable of forcefully representing the Museum to diverse constituencies, and have strong interpersonal skills.

Applicants should send a curriculum vitae to: Ross Sirmon, Secretary, Search Committee, Smithsonian Institution, National Museum of Natural History, 1000 Jefferson Drive, S.W., Room 120, Washington, DC 20560 or call at 202-357-2939 for further information.

The Smithsonian Institution is an Equal Employment Opportunity Institution.
AMERICAN ASSOCIATION FOR CANCER RESEARCH (AACR)

SPECIAL OPPORTUNITIES FOR YOUNG INVESTIGATORS

The AACR is a professional society of over 10,000 scientists and physicians involved in cancer research. Special opportunities for young investigators include:

• Associate Membership conferring almost all of the benefits of regular membership at reduced rates

• Employment Register listing available positions and candidates in all subdisciplines of cancer research. Listings appear in several issues of *Cancer Research*, and interviews are arranged at the AACR Annual Meeting (Toronto, Ontario, Canada, March 19-22, 1995)

• Travel Grants to the Annual Meeting and AACR Special Conferences

• Mentorship Program and Special Travel Awards for NCI-designated minority scientists

American Association for Cancer Research
Public Ledger Building, Suite 816
150 S. Independence Mall West
Philadelphia, PA 19106-3483
Telephone: (215) 440-9300 • FAX: (215) 440-9313

FOOD AND DRUG ADMINISTRATION The Center for Biologics Evaluation and Research (CBER) and the Center for DRUG Evaluation and Research (CDER) are seeking outstanding physicians and scientists. CBER regulates blood, vaccines, biological therapeutics and related products according to statutory authorities in order to protect and enhance the public health. CDER promotes, protects, and enhances the health of the public through the drug development and evaluation process. Candidates should have special interest in mechanisms of action, benefits and risk of drugs; skill in critically analyzing; skill in writing; knowledge of biostatistics, clinical trial design and computers; and experience in research and/or teaching. These positions have a high degree of independence and involve complex medical, scientific, and regulatory issues. QUALIFICATIONS: US Citizenship required. Some positions will accept Staff Fellowship applications from Permanent Residents eligible for citizenship within four years. Physicians: All requirements for a Doctor of Medicine or Osteopathy Degree from an accredited institution must be completed. Graduates of Foreign medical schools must submit a copy of their permanent Educational Commission for Foreign Medical Graduates (ECFMG) certification. Board eligibility or certification in a primary specialty, or having completed at least four years of residency training or possess equivalent experience is desirable. Scientists: Doctoral level degrees in biology or physical sciences, pharmacology, toxicology, or related disciplines, along with advanced training and/or experience in the development, manufacture or testing of biologicals is desirable. SALARY Range for GS-13 to GS-15: Physicians: $59,099 to $91,029 per annum. In addition, physicians may also be eligible for a physicians comparability allowance up to $20,000 per annum. Scientists: $35,045 to $90,252 per annum. Salary, benefits, research support, and level of responsibility are commensurate with education and experience. Send an Application for Federal Employment. APPLY: (SF-171) and/or current detailed Curriculum Vitae along with bibliography, statement of regulatory/research interest, transcripts, and names of three references to:


F.D.A is an Equal opportunity employer and has a smoke free environment.

Ph. D. MOLECULAR BIOLOGIST

IBEX Technologies Inc. is a biotechnology company developing enzymatic-based diagnostic and therapeutic products.

We have a position immediately available for a scientist who will develop bacterial, chaperone mediated, systems for high-level expression of recombinant enzymes. In addition, this person will collaborate on the engineering of recombinant enzymes for medical applications. The ability to work with others as part of a research team is essential.

IBEX Technologies is located in Montréal, Canada; a culturally diverse, cosmopolitan city of 3 million people. In addition, Montréal is convenient to numerous summer and winter outdoor activities. IBEX Technologies offers a competitive compensation package and a stimulating scientific research environment. We encourage publication of results and are an equal opportunity employer.

Interested candidates please send résumé to: IBEX Technologies, Department 1040, 5485 Paré Street, Montréal, Québec, Canada H4P 1P7

IBEX Technologies

LECTURESHIP IN THE RADIOISOTOPE UNIT

Applications are invited for the post of Lecturer in the Radioisotope Unit (Ref. 94/96-15). The appointment will be on a three-year fixed-term basis from 1 January 1995, with a possibility of renewal.

Applicants should possess expertise in the areas of Radiation Dosimetry and Earth Science/Geochronology. The appointee will be required to supervise research students, to teach relevant courses offered by the Unit and to participate in service functions and research activities.

Annual salary (non-supernumerable but attracting 15% (taxable) terminal gratuity) is on an 11-point scale, with starting salary depending on qualifications and experience: HK$44,900 - HK$689,880 (approx. US$53,634 - US$869,695; US Dollar equivalents as at 24 August 1994). At current rates salaries tax will not exceed 15% of gross income. Children’s education allowances, leave, and medical benefits are provided; housing or tenancy allowances are also provided in most cases at a charge of 7.5% of salary.

Further particulars and application forms may be obtained from the Appointments Unit, Registry, The University of Hong Kong, Hong Kong (fax: (852) 569 2058; E-mail: APPTUNIT@HKUVM1.HKU.HK). Particulars are also available on the University’s listserv accessed by E-mail as listserv@hkuvvm1.hku.hk" (specify "get apptm filelist" for list of vacant posts, and "help" for details of listserv commands). Closes 28 October 1994.
POSITIONS OPEN

ASSOCIATE CAMPUS DEAN FOR RESEARCH
Texas A&M University at Galveston, a coastal campus of the College of Geosciences and Maritime Studies of Texas A&M University, produces new knowledge for ASSOCIATE CAMPUS DEAN for Research and Graduate Program Coordinator. This Associate Campus Dean will have responsibility for enhancing the research stature of the Galveston Campus as well as fostering continued development of graduate program activities on the campus. The individual in this position will be expected to serve as an advocate for both of these activities within the college and the broader University community. As an entrepreneurial leader, the successful candidate should be innovative and effective in facilitating research support for the campus and the industry. Candidates should have demonstrated research and scholarly activities with documented, long-term grant support and graduate training experience in the physical science aspects of ocean and coastal systems, administrative experience in grant acquisition, familiarity with government and nongovernment grant and industry research funding policies and priorities; and strong interpersonal, organizational, and communication skills. The successful candidate must possess a Ph.D. degree and be academically qualified for appointment at the associate or full professor rank in one of the departments on the Galveston Campus.

Please forward the following: (1) letter describing administrative, graduate training, and research background; (2) curriculum vitae; and (3) names and addresses of five references to: Dr. David J. Schnieder, Chief Executive Officer and Campus Dean, Texas A&M University Galveston Campus, P.O. Box 1675, Galveston, TX 77553. This position will remain open until filled. The Search Committee will review applications one month after publication of position announcement.

Texas A&M University Galveston Campus is an Affirmative Action/Equal Opportunity Employer.

IMMUNOLOGY/DIABETES INSTITUTE RESEARCH DIRECTOR
Seeking RESEARCH DIRECTOR at Barbara Davis Center for Childhood Diabetes. Institute is devoted to understanding and reversing type I Diabetes, curing the disorder with islet or engineered cellular transplantation. Lead Endowment/Excellent Facilities/University of Colorado Affiliation. Send curriculum vitae to: Dr. George Eisenbarth, Barbara Davis Center for Childhood Diabetes, University of Colorado Health Science Centers, 4200 East 9th Street, Box 1410, Denver, CO 80262.

The University of Colorado Health Sciences Center is committed to Equal Opportunity and Affirmative Action.

MOUSE CORE FACILITY SUPERVISOR
The University of California San Diego Cancer Center is seeking an individual to supervise and participate in a mouse genetics core facility. The position requires skills in mouse husbandry and procedures with small animals. Experience in embryo and blastocyst injection and handling is desirable. The position is located on the J. J. Holmes campus in a barrier mouse facility nearing completion. Compensation is negotiable and will be commensurate with education and experience. Send a resume or curriculum vitae and a bibliography, along with three references by October 7, 1994, to: UCSD Human Resources, 10380 North Torrey Pines Road, Suite 266, Jolla, CA 92039-0967. Resumes must be received by November 1, 1994. The University of Michigan is an Equal Opportunity/Affirmative Action Employer. Minority and women candidates are encouraged to apply.

Superintendent/Equal Opportunity Employer.

FACULTY POSITIONS IN MOLECULAR AND CELLULAR PHYSIOLOGY
University of North Carolina at Chapel Hill

The Department of Physiology at the University of North Carolina at Chapel Hill invites applications for two TENURE-TRACK FACULTY POSITIONS from candidates with a Ph.D., M.D. or the equivalent degree and a strong record of research productivity. Although ranks of Assistant, Associate, or Full Professor are open, appointment at the ASSISTANT PROFESSOR level is preferred. We seek individuals who will establish vigorous research programs investigating physiological processes at the molecular and cellular levels. Candidates studying the development of the nervous, cardiovascular, endocrine or gastrointestinal systems will be given special consideration, although outstanding applicants with other research interests will also be considered. The successful candidates will participate in teaching programs for graduate students and undergraduates in the health professions. Send a complete curriculum vitae, a brief description of research interests and the names, addresses, and telephone numbers of three references directly to: Committee, Department of Physiology, University of North Carolina, Chapel Hill, NC 27599-7545. University of North Carolina-Chapel Hill is an Affirmative Action/Equal Opportunity Employer. Minority and women candidates are encouraged to apply.

CASE WESTERN RESERVE UNIVERSITY FACULTY POSITION
The Department of Molecular Biology and Microbiology at Case Western Reserve University School of Medicine invites applications for a junior or intermediate level, TENURE-TRACK POSITION from individuals interested in the molecular aspects of cancer biology. More specifically, we encourage applications from individuals with research interests pertaining to cancer biology in the areas of signal transduction, apoptosis, and tumor suppressor genes/oncogenes. The Department requires a faculty interaction, integration with the NCI-designated Comprehensive Cancer Center, and an enriched graduate student population, all of which contribute to an excellent research environment. Collaborations within the University and among our programs and industry are extensive. Competitive start-up funds will be available to the successful applicant. Applications will be reviewed starting immediately and will continue until suitable candidates are found. Interested individuals should send a letter of intent, a statement of research interests and the names of three references to: Dr. B.N. La Rue, Chairman, Department of Molecular Biology and Microbiology Case Western Reserve University School of Medicine Cleveland, OH 44106-4960.

Case Western Reserve University is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN CARDIOVASCULAR PATHOPHYSIOLOGY
The Department of Anesthesiology at the University of Texas Medical Center has a beginning level tenure-track position available in the area of cardiovascular physiology or cardiovascular pathology. A Ph.D. and/or M.D. degree is required with training in an appropriate research area. Experience in the integration of physiological, tissue culture systems, biochemical and cardiovascular pathological principles with clinical medicine research applications. Experimental skills with model systems including isolated hearts, isolated perfused, fluorescent probes and electrophysiology are required. Experience with ischemia-reperfusion models, free radical injury and interaction of pharmacological and biological effects of anesthetics agent will be given preference. Candidate must have a minimum of three years of postdoctoral experience and will be expected to conduct a research program which will result in significant funding in these areas and teach within the department. Submit curriculum vitae and three reference letters with a brief statement of research plans to: Dr. B.N. La Rue, M.D., Ph.D., Director of Research, Department of Anesthesiology, University of Michigan Medical Center, 1500 East Medical Center Drive, Ann Arbor, MI 48109-0572. Applications will be accepted through November 15, 1994. The University of Michigan is an Equal Opportunity/Affirmative Action Employer. Minority and women candidates are encouraged to apply.

The Division of Biology, California Institute of Technology, seeks a JUNIOR FACULTY MEMBER in the area of Immunology for a tenure-track position. Successful applicants are expected to generate creative and productive research programs that address the diverse scientific interests represented in the Biology Division. Applicants should send a curriculum vitae, list of publications, and a brief statement of research interests and plans. In addition, the candidate should arrange to have three letters of reference sent directly to the search committee to coincide with receipt of the application. Letters of reference and applications should be sent to: Ms. Joyce Kato, Immunology Search Committee, Division of Biology 147-75, California Institute of Technology, Pasadena, CA 91125.

The University of Michigan is an Equal Opportunity/Affirmative Action Employer and encourages the applications of qualified women and minority candidates.

NATURAL RESOURCE AND ENVIRONMENTAL ECONOMICS
The School of Natural Resources and Environment, The University of Michigan, invites applications for two nine-month TENURE-OR TENURE-TRACK POSITIONS in the area of natural resources and environmental economics, to be filled by September 1, 1995. A doctorate in economics, environmental policy, or a related field, with a demonstrated research interest and ability in resource and environmental economics is required. Interested individuals who have disciplinary or sustainability issues, risk, ecosystem management or water resources would be considered an asset.

For further information, contact: Judy Francis, School of Natural Resources and Environment, 3512 Dana Building, The University of Michigan, Ann Arbor, MI 48109-1115. Telephone: 313-764-2550. Closing date for initial review is October 15, 1994. Applications accepted until positions are filled. The University of Michigan is an Non-Discriminatory, Affirmative Action Employer.

ELECTRON MICROSCOPY FACILITY SUPERVISOR/INSTRUCTOR
Miami University is seeking applicants for a full-time, non-tenure track, position as the Electron Microscopy Facility Supervisor to begin as soon as possible. The successful applicant will hold an M.S. or Ph.D. degree in a biological science and will be responsible for the operation, maintenance, and supervision of an interdepartmental EM facility containing two TEMs, two SEMs, cryo-preservation equipment, EDX spectrometer, and other instruments. Duties will include supervision of a full-time EM technician and teaching in microscopy courses. Collaboration on faculty research projects will be encouraged.

Please submit curriculum vitae, transcripts of all course work, and three letters of recommendation to: Department of Biological Science, Miami University, Oxford, OH 45065. Application review will continue until the position is filled. Miami University is an Equal Opportunity/Affirmative Action Employer.

LABORATORY SUPERVISOR
GENETIC THERAPY, INC., a leading biotechnology company, is developing viral-mediated gene transfer methods applicable to human gene therapy. The Tissue Culture Quality Control Laboratory is seeking a scientist to manage a group responsible for quality control of clinical materials. Candidates should possess an M.S. or Ph.D. and have a strong background in mammalian cell culture, virology and assay development. Preference will be given to candidates familiar with GMP compliance. Genetic Therapy, Inc. offers a stimulating and challenging environment with competitive salaries and benefits. Please send a resume to: Genetic Therapy, Inc., Human Resources—BCC/LABSUP-10, 938 Copley Road, Gaithersburg, MD 20878. Genetic Therapy, Inc. is an Equal Opportunity Employer.

POSTDOCTORAL POSITIONS IN PLANT BIOLOGY
Two positions are immediately available to investigate genes involved in Plant Development and Disease Resistance. These positions are part of a collaborative effort between the laboratories of Dr. Fred West (PNAS, 88: 11088-11092, 1992), Glenn B. Collins (In Vitro Cell Dev Bio, 28:153-160, 1992) and Mark T. Nielsen (J Cloni Evol, 18:467-475, 1984). Successful candidates should demonstrate quantitative skills and be familiar with biochemical and molecular biology techniques. Please send curriculum vitae, a statement of research interests, and names of three references to: Dr. Michael D. Griep, Plant Biology/Audiovisual Program, N-220 Agricultural Science Center-North, University of Kentucky, Lexington, KY 40546-0091.

1995 SCIENCE • VOL. 265 • 23 SEPTEMBER 1994
POSTDOCTORAL FELLOWSHIPS
at the
WOODS HOLE
OCEANOGRAPHIC INSTITUTION

Applied Ocean Physics & Engineering Biology, Marine Chemistry & Geochemistry Marine Geology & Geophysics Physical Oceanography

Applications are invited from new or recent doctorates in the fields of biology, molecular biology, microbiology, chemistry, engineering, geology, geophysics, mathematics, meteorology, and physics, as well as oceanography. Recipients of awards are selected on a competitive basis, with primary emphasis placed on research promise. Fellowships are awarded for 12-18 month appointments with a stipend of $36,000 per year, plus group health insurance and a modest research budget. Recipients are encouraged to pursue their own research interest in association with resident staff. Completed applications must be received by January 15, 1995 for the 1995-96 awards. Awards will be announced in March. Write for application forms to: Dean of Graduate Studies, P.O. Box S, Woods Hole Oceanographic Institution, Woods Hole, MA 02543. Or call (508) 457-2000, ext 2220 or Email bederemer@whoi.edu.

NOVODRISK BIOTECH INC.

Microbiology/Microbial Physiology Research Manager

Ph.D. in microbiology, genetics, chemical engineering or related discipline with over eight years research experience. Work will involve fungal strain development including classical mutagenesis, molecular genetics, transformation methods and screening of transformants OR studies of metabolism, regulation of expression, substrate optimization and lab scale fermentation methods, depending on the background of the applicant.

The Research Manager position will be responsible for directing the company's R & D strategies and efforts in its microbiology AND microbial physiology departments. The position requires an individual who is a benchwork scientist as well as a good manager. A proven record of innovative research as demonstrated by publications in peer reviewed journals is essential.

Postdoctoral Position:
Molecular Biology/Biochemistry

To study fundamental metabolic pathways in filamentous fungi using Molecular Biology and/or Biochemistry.

If you are interested in a challenging research position with the world's leading producer of industrial enzymes and meet the above criteria, please send your C.V. with a list of three references for consideration. In confidence, to: Novo Nordisk Biotech, Inc., Department of Human Resources, 1445 Drew Avenue, Davis, CA 95616. Please indicate the position for which you are applying. We are an Equal Opportunity Employer.

T CELL SCIENCES
Drug Discovery

T CELL SCIENCES has established a strong proprietary position in T cell and complement receptor technology which we are utilizing to develop pharmaceutical products for the treatment of diseases of inflammation and autoimmunity. T CELL DIAGNOSTICS, our subsidiary, manufactures and markets innovative diagnostic and research products around the world.

Molecular/Cellular Biology

Growth opportunity for individuals to participate with a team in exploratory programs leading to new drug discovery. A demonstrated capability for project planning and coordination, and a clear record of scientific excellence and creativity is expected. Requires Ph.D. with minimum 2 years postdoctoral or industrial experience. Candidates with combined training in biochemistry, immunology, cell biology or molecular biology are encouraged to apply.

T CELL SCIENCES, INC. offers competitive compensation, comprehensive benefits, and a progressive work environment. For immediate, confidential consideration please forward resume to Human Resources, T CELL SCIENCES, INC., 36 Sidney Street, Cambridge, MA 02139.

Equal Opportunity Employer M/F/D/V

BROOKHAVEN NATIONAL LABORATORY

CHEMICAL CATALYSIS POSITION

The Brookhaven National Laboratory Chemistry Department has a staff opening for a Ph.D. Chemist with a strong basic research background in catalysis with an emphasis on reactivity studies. Applicants from all areas of chemical catalysis and all experience levels, including well established investigators, will receive serious consideration.

The appointment will be within the Department's Structure and Reactivity in Catalysis group. This group presently includes seven PIs working in the areas of organometallic chemistry/homogeneous catalysis (structure and reactivity of metal hydrides, transition-metal carbohydrate chemistry) and surface science/heterogeneous catalysis (bimetallic systems, the effects of promoters and poisons, zeolite structures).

A wide variety of equipment (including NMR, GC-MS, GC's, IR's, x-ray diffractometers, UHV chambers and instrumentation, and computing resources) is available in the Chemistry Department's modern building. In addition, staff members have ready access to major BNL facilities, including the National Synchrotron Light Source (for studies such as x-ray diffraction and absorption, UV photoemission) and the High Flux Beam Reactor (for neutron diffraction and scattering).

More detailed information concerning the BNL Structure and Reactivity in Catalysis program is available upon request (E-mail address: catalyst@dynamics.chm.bnl.gov). Interested individuals should send their vitae together with a one-page statement of research plans and arrange for three letters of reference to be sent to: Catalysis Search Committee, Chemistry Department, Building 555, Brookhaven National Laboratory, P.O. Box 5000, Upton, NY 11973-5000.

Selection of candidates for interviews is expected to begin November 1, 1994.

Equal Opportunity Employer M/F/D/V

BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.
at the center of science, beside the sea
POSTDOCTORAL POSITION

Postdoctoral Position. Available immediately. Interest and experience in studying the role of major histocompatibility complex molecules, immunological recognition, using molecular, cellular or whole animal approaches. Contact: Jeffrey Frelinger, Department of Microbiology and Immunology, University of North Carolina, CB No. 7290 FLOB, Chapel Hill, NC 27590-7290.

POSTDOCTORAL POSITION in laboratory studying organization and polymorphism of the human VH locus, mechanisms of biased VH gene utilization, and VH gene utilization in autoimmunity. Strong background in molecular biology and experience in murine transgenic models and three references to: Dr. Eric Milner, Immunology Program, Virginia Mason Research Center, 1000 N. 35th Street, Suite 1A 98101. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately to study cell-surface proteins as regulators of growth factor activity in tumor invasion. Experience in cell and molecular biology is important. Interested candidates should forward a curriculum vitae and a list of references to: Dr. Steven L. Gonias, Departments of Pathology and Biochemistry, University of Virginia Health Sciences Center, Charlottesville, VA 22908. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately to study genetic aberrations in bladder cancer. Our lab has developed techniques for comparative genomic hybridization for characterization of genomic aberrations in cancer. Ph.D. and experience in molecular biology, in situ hybridization, or cytogenetics are desirable. Send curriculum vitae, statement of research interests, and names and telephone numbers of three references to: Dr. Fred Waldman, Division of Molecular Cytometry, Box 0808, University of California San Francisco, San Francisco, CA 94143.

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

POSTDOCTORAL POSITIONS: Molecular and Cell Biology. Two outstanding Ph. D. scientists are invited to study regulation of cell differentiation by growth factors, or to synthesize a novel hormone or vector promoting wound healing. Strong research experience in molecular biology and/or cell biology is essential. Send curriculum vitae with brief summary of research experience, copies of select publications and names of three references to: Dr. Moon-I Choe, State University of New York at Buffalo, Department of Oral Biology, 3435 Main Street, B-10 Foster Hall, Buffalo, NY 14214. We are an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to study nutritional influences on beta-adrenergic receptor expression in cultured adipocytes. Experience in molecular biology is required and in cell culture is desired. Send resumes and letters of interest to: Harry J. Mersmann, USDA/ARS Children’s Nutrition Research Center, Department of Pediatrics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, Baylor College of Medicine is an Affirmative Action/Equal Opportunity/Acceptor Employer.

POSTDOCTORAL POSITION available immediately to participate in molecular biologic studies of breast cancer. Experience in somatic gene mapping is highly desirable. Send curriculum vitae and references to: Dr. David R. Cantor (creategen.bu.edu) or Dr. Cassandra L. Smith (csmith@darwin.bu.edu), Center for Advanced Biotechnology, Boston University, Boston, MA 02215. FAX: 617-353-8501.

POSTDOCTORAL POSITION

The Center for Advanced Biotechnology at Boston University has several openings for POSTDOCTORAL-ALS. Research areas include nucleic acid biology, biophysical mechanisms, human disease gene discovery, ultrasensitive detection methods, parallel methods of genome mapping and monitoring gene expression; and protein engineering for enhanced nuclear imaging, macromolecular fractionation and DNA diagnostics. Candidates should send a curriculum vitae and references to: Dr. C. Cantor (creategen.bu.edu) or Dr. Cassandra L. Smith (csmith@darwin.bu.edu), Center for Advanced Biotechnology, Boston University, Boston, MA 02215. FAX: 617-353-8501.

POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITIONS

Applications are invited for tenure-track positions at the ASSISTANT/ASSOCIATE PROFESSOR level. We seek faculty who will have primary appointment in the Department of Physiology as well as those with a potential for successful research in a clinical department. Successful candidates should have evidence of research productivity, teaching in Renal Physiology, and a Ph.D. or M.D./Ph.D. degree. Applicants with research interests in biochemical and molecular mechanisms of renal function and/or its control, intracellular Ca2+ transport, hypertension, membrane transport preferred. Send curriculum vitae, statement of research interests, two or three relevant reprints, and names of three references to: J. DeWesson, M.D., Chief of the Combined Program in Nephrology and Hypertension, Veterans Administration Hospital, 14770 Maine Street, Houston, TX 77245-1200. FAX: 210-875-4547.

POSTDOCTORAL POSITIONS

Department of Obstetrics/Gynecology seeks IN- STRUCTOR to teach reproductive medicine to medical students, residents and graduate students, conduct research in reproductive medicine, infertility and animal models for research with at least two years of residency or scientific research training and one year of experience, as well as publications in reproductive medicine. Salary $37,000 per year. Please send curriculum vitae to:

Ms. Kathy Malo
Job Service Programs and Technical Support
Tennessee Department of Employment Security
Nashville, TN 37245-1200
Job No. TN 1477089

POSTDOCTORAL FELLOW/RESEARCH AS- SOCIATE required immediately to characterize mosquito-to-antagonists and/or IGE subtypes. Experience in protein purification with molecular biology background or production of hybridomas preferred. Send curriculum vitae and names of three references to: Dr. Zhikang Peng, Department of Pediatrics, University of Minnesota, MSDL/PC-820 Sherbrook Street, Winnipeg, MB R3E 1R3, FAX: 204-787-4547.

POSTDOCTORAL POSITIONS IN BIOTECHNOLOGY

The Center for Advanced Biotechnology at Boston University has several openings for POSTDOCTORAL-ALS. Research areas include nucleic acid sequencing methods, RNA isolation methods, human disease gene discovery, ultrasensitive detection methods, parallel methods of genome mapping and monitoring gene expression; and protein engineering for enhanced nuclear imaging, macromolecular fractionation and DNA diagnostics. Candidates should send a curriculum vitae and references to: Dr. C. Cantor (creategen.bu.edu) or Dr. Cassandra L. Smith (csmith@darwin.bu.edu), Center for Advanced Biotechnology, Boston University, Boston, MA 02215. FAX: 617-353-8501.

POSTDOCTORAL POSITIONS IN BIOTECHNOLOGY

The Center for Advanced Biotechnology at Boston University has several openings for POSTDOCTORAL-ALS. Research areas include new DNA sequencing methods, RNA isolation methods, human disease gene discovery, ultrasensitive detection methods, parallel methods of genome mapping and monitoring gene expression; and protein engineering for enhanced nuclear imaging, macromolecular fractionation and DNA diagnostics. Candidates should send a curriculum vitae and references to: Dr. C. Cantor (creategen.bu.edu) or Dr. Cassandra L. Smith (csmith@darwin.bu.edu), Center for Advanced Biotechnology, Boston University, Boston, MA 02215. FAX: 617-353-8501.

POSTDOCTORAL POSITIONS IN BIOTECHNOLOGY

The Center for Advanced Biotechnology at Boston University has several openings for POSTDOCTORAL-ALS. Research areas include new DNA sequencing methods, RNA isolation methods, human disease gene discovery, ultrasensitive detection methods, parallel methods of genome mapping and monitoring gene expression; and protein engineering for enhanced nuclear imaging, macromolecular fractionation and DNA diagnostics. Candidates should send a curriculum vitae and references to: Dr. C. Cantor (creategen.bu.edu) or Dr. Cassandra L. Smith (csmith@darwin.bu.edu), Center for Advanced Biotechnology, Boston University, Boston, MA 02215. FAX: 617-353-8501.

POSTDOCTORAL POSITIONS IN BIOTECHNOLOGY

The Center for Advanced Biotechnology at Boston University has several openings for POSTDOCTORAL-ALS. Research areas include new DNA sequencing methods, RNA isolation methods, human disease gene discovery, ultrasensitive detection methods, parallel methods of genome mapping and monitoring gene expression; and protein engineering for enhanced nuclear imaging, macromolecular fractionation and DNA diagnostics. Candidates should send a curriculum vitae and references to: Dr. C. Cantor (creategen.bu.edu) or Dr. Cassandra L. Smith (csmith@darwin.bu.edu), Center for Advanced Biotechnology, Boston University, Boston, MA 02215. FAX: 617-353-8501.
We Resources, salary field. The Ph.D. Responsible years’ hybridization, Involved tissue planted experience, written neurosecretory cells in Investigate vitro unparalleled dissection have been. We written tissue neurosecretory cells in cells and apply cellular and molecular neuroscience techniques to develop and/or modify novel cells for transplantation in the central nervous system. You should be proficient in the establishment and maintenance of primary mammalian cell cultures and in vitro bioassays for various neurotrophic factors. Qualifications include Ph.D. in Cell/Molecular Neurobiology, Biochemistry, or a related field with at least 2-4 years of postdoctoral experience in a Cell/Molecular Neuroscience laboratory. Must be capable of working independently and possess excellent written and oral communication skills.

**CELL BIOLOGIST - PROCESS DEVELOPMENT**

Responsible for cell culture process development for genetically engineered and neurosecretory cell lines to be encapsulated for cell therapy applications. Research will focus on cell culture media development, process optimization, scale up, and optimization of therapeutic substances output. Ph.D. or equivalent with 3+ years of experience in cell culture process development in a biopharmaceutical or cell/gene therapy industrial environment. Knowledge of GMP practices desirable.

**NEURO IMMUNOLOGIST - INTERFACE BIOLOGY**

Explore the immune system and local tissue environment as they interact with our encapsulation technology. Research focus is on the areas of response to transplanted cells inside an immunotolerant barrier and requires novel insights into tissue reactions, cytokine/antibody production and transplantation. Qualifications include a Ph.D. in Immunology and 5-8 years’ postdoctoral experience, with a balance of industrial and academic experience, background in molecular and cytokine immunology or xenogeneic and xenogenic transplantation, and some experience in implantation. Immunohistopathology would be preferred but is not essential.

**RESEARCH ASSOCIATE - PHARMACOLOGY (BS/MS)**

Involved in cell culture experiments and biochemical assays including neurotransmitter uptake, synthesis, and release. Responsible for growth factor receptor binding assays, radioligand assays, immunocytochemistry, in situ hybridization, Northern, Western, and Southern blot analysis. Qualified candidates will have a BS/MS degree in Biology, Pharmacology, or a related field with 1-4 years’ directly applicable experience. Experience with neuroanatomy and surgical dissection would be preferable, but not essential.

**DEVELOPMENT DIRECTOR**

Responsible for developing clinical/commercial processes for the production of implantable cell therapy products identified in Research. The Development group must demonstrate reproducibility and stability of these products and processes. The Director will manage a group of approximately 20-30 scientists and technicians and have budgetary responsibilities. Requires a Ph.D. in Biomedical Engineering, Chemical Engineering or a related field with 8-10 years of experience in the medical devices industry or field. Familiarity with biologics critical. Experience in cGMP operation desirable.

We offer a competitive compensation package and a unique opportunity to build your career in an environment of unparalleled scientific excellence. Send your resume, salary requirements and references in confidence to: Human Resources, CytoTherapeutics, Inc., Two Richmond Square, Providence, RI 02906; FAX: 401 751-9380. We are an equal opportunity employer.

---

**HUMAN HEALTH & ECOLOGICAL RISK ASSESSORS**

Staff and Senior Levels

HemRisk, a division of McLaren/Hart, specializes in conducting human and ecological risk assessments, environmental fate and transport modeling, exposure assessments, toxic tort and litigation support, environmental and occupational toxicology, and air quality assessments.

Continued demand for our services has created significant opportunities in ecological and human health risk assessments. Responsibilities may include project/management, client interaction, regulatory, technical, and regulatory agency consultation/representation.

Successful candidates will have a minimum of three years experience in risk assessment or related areas in MS or Ph.D. in Environmental Toxicology, Ecotoxicology, Fisheries, Wildlife Science, Environmental Chemistry, or other Health Science. We are currently staffing various levels to address projects in Alameda and Irvine, CA, Lake Charles, LA, Portland, ME, Warren, NJ and Cleveland, OH.

Please expedite your resume to: HR Manager, Dept. SCI, ChemRisk, Division of McLaren/Hart, 16755 Von Karman, Irvine, CA 92714. EOE, M/F/D/V.

---

**IMMUNOLOGY & TOXICOLOGY**

Research Leadership

Now in its 65th year, Battelle is an international research leader. Our Health Division is seeking innovative, experienced scientists for two project leadership opportunities:

**Immunologist/Biochemist:** Requires Ph.D in immunology, biochemistry, immunology, or other relevant field; 3-5 years’ selecting, developing, and validating immunological or biochemical methods for human and environmental sample analysis for pesticides, therapeutics, or other compounds; and knowledge of GLP requirements. Excellent communication skills and project management experience essential. Industrial experience desired. Eligibility for security clearances required.

**General Toxicologist:** Requires Ph.D in toxicology, pharmacology, pathology, or other relevant field; 3-5 years’ directing drug safety studies; knowledge of GLP requirements; and strong interpersonal communication, and organizational skills. DABT certification, pharmaceutical industry experience, and supervisory and training experience desired. Additional positions are available for recent Ph.D graduates or postdoctoral toxicologists.

These positions are located at Battelle’s Columbus, Ohio research center and world headquarters. Columbus is at the center of a dynamic, growing, and economically balanced region noted for diverse, convenient, and affordable housing, quality schools, excellent recreational opportunities, and a vibrant arts community.

Battelle offers a comprehensive package of compensation and benefits. Send resume/CV and cover letter to: Christopher Dunford, Dept. 100, Battelle, 505 King Avenue, Columbus, OH 43201-2693. Battelle is an Affirmative Action/Equal Opportunity Employer M/F/D/V.

---

**CytoTherapeutics**

... Putting Technology To Work
The Medical Research Council of Canada and Ciba-Geigy Canada Ltd. are pleased to announce the establishment of the
MICHAEL SMITH/CIBA-GEIGY/MRC PROFESSORSHIP to be held at
THE NEUROSCIENCE RESEARCH INSTITUTE, UNIVERSITY OF OTTAWA

Applications for this position are now invited from candidates with a proven record of research productivity in the field of molecular neuroscience. Relevance to mechanisms of cell death, neurodegeneration and neuronal survival is desirable. The position is open to candidates from assistant to full professor. Applicants should submit a C.V. and a summary of their research interest as well as future plans. Applications will be peer-reviewed by the Medical Research Council, and in accordance with Canadian immigration requirements, this advertisement is directed primarily to Canadian citizens and permanent residents. Please send application before October 31, 1994 to:

Dr. A. Hakim
University of Ottawa
Neuroscience Research Institute
451 Smyth Road
Ottawa, Ontario, K1H 8M5
CANADA

PROGRAM TEAM LEADER
G-Protein Coupled Receptor

COR Therapeutics, Inc. is a publicly-held biopharmaceutical company located in the San Francisco Bay Area. We specialize in the discovery and development of novel pharmaceutical products for the treatment and prevention of severe cardiovascular disease. We currently have an exceptional opportunity for an experienced Senior Scientist to lead our G-Protein Receptor Coupled research team.

This individual will be responsible for directing the efforts of existing groups of biochemists, molecular, and cell biologists involved in research programs in the G-protein coupled receptor area. The Program Team Leader will also be responsible for coordinating and evaluating outside collaborations and interacting with individuals involved in pharmacology, drug screening and medicinal chemistry efforts directed at these G-protein coupled receptors.

The successful candidate will have a Ph.D. in Molecular or Cell Biology or a related field. The position also requires 7-10 years of experience focused on the biology of G-protein coupled receptors. Previous experience in these areas related to cardiovascular disease would be a plus. The candidate should also have recent experience in state of the art technology in molecular biology and biochemistry and their applications to drug discovery. Additionally, the candidate should have demonstrated superior management skills and be able to successfully function in a highly collaborative atmosphere.

COR Therapeutics, Inc. offers competitive salaries, benefits and attractive equity positions to its employees combined with the challenge and opportunity to make significant research contributions. To apply, please send curriculum vitae to: COR Therapeutics, Inc., Human Resources (Job Code #B36-94-S), 256 East Grand Avenue, South San Francisco, CA 94080. COR is an equal opportunity employer.

BIOLOGICAL LEADERSHIP

New Directions in Biotechnology

In your search for an exciting career opportunity, consider joining our well-funded state-of-the-art biotechnology site. We are committed to the development and production of a new generation of healthcare products through biotechnology.

Positions are available in departments engaged in media preparation, cell culture, fermentation, protein purification, bulk formulation, sterile filtration and analytical development. Some positions involve the start-up of new facilities and the development of new production processes.

Depending on the specific position, job requirements include: B.S., M.S., Ph.D., or equivalent experience in applicable discipline, with specific experience in industrial mammalian cell culture, purification, or media production. Additional positions available in Validation, Biochemical Research & Development, and Cellular and Molecular Biology Research.

Excellent salary and benefits package. Interested candidates are invited to submit resumes to:

Miles Inc.
Human Resources
P.O. Box 1986
Berkeley, CA 94701
EOE/AA/V

MILES
PHARMACEUTICAL DIVISION

Share Our Distinct View of Science

At Alcon Laboratories, Inc., we view scientific discovery as the cornerstone to our success. In order to maintain our position as THE global leader with over $1.3 billion in annual sales, we continue to concentrate on what we do best - innovation in the research and development of ophthalmic and vision care products.

Senior Scientist
Research and Development

The ideal professional will lead a team for the Ophthalmic Therapeutic Surgical Solutions Research Program by identifying/selecting product profiles, and validating and coordinating concepts for new therapeutic products. Other responsibilities include remaining current with global developments in the ophthalmic surgical therapeutics field and keeping abreast of global regulations. Requirements include a Ph.D. in Biological Sciences/Biochemistry and 7 years related industry experience, as well as excellent interpersonal and oral/written communication skills.

If you share our distinct view of science, consider a career with Alcon Laboratories, a proud member of the Nestlé family. We are headquartered in Fort Worth, Texas, where a warm climate, low cost-of-living and a variety of recreational and cultural facilities are part of the Sundries lifestyle. Our professionals also enjoy a state-of-the-art environment, and an excellent salary and benefits package, as well as the opportunity for career advancement. For consideration, please forward your curriculum vitae, addresses and phone numbers of 3 references in confidence to: Alcon Laboratories, Inc., Placement and Development, T1-3 (SSRD), P.O. Box 6600, Fort Worth, TX 76115. Equal Opportunity Employer. M/F/D/V: Principals Only, Please.

Alcon LABORATORIES
More Than Meets The Eye
POSTDOCTORAL POSITIONS

Several positions are available immediately for molecular biologists, cell biologists, and electrophysiologists to study microtubule-based motility in mammalian cells. Projects will focus on (i) mechanisms of normal genomic rearrangements following DNA damage, (ii) function of microtubule assembly and disassembly in cell motility, and (iii) development of methods for efficient gene targeting. Experience in molecular biology and/or biochemistry is required. Send curriculum vitae with bibliography, description of research experience, and three letters of reference to: Dr. Alan S. Waldman, Department of Biological Sciences, University of South Carolina, Columbia, SC 29208.

POSTDOCTORAL POSITION available to study homologous recombination in mammalian cells. Projects will focus on (i) mechanisms of normal genomic rearrangements following DNA damage, (ii) function of microtubule assembly and disassembly in cell motility, and (iii) development of methods for efficient gene targeting. Experience in molecular biology and/or biochemistry is required. Send curriculum vitae with bibliography, description of research experience, and three letters of reference to: Dr. Alan S. Waldman, Department of Biological Sciences, University of South Carolina, Columbia, SC 29208.

POSTDOCTORAL POSITION available to study cyclic AMP signaling in yeast, using molecular biological and biochemical techniques. Please send curriculum vitae and names of three references to: Dr. W. M. Chang, Department of Biochemistry and Biophysics, University of California, San Francisco, CA 94143.

POSTDOCTORAL POSITION available to study the molecular biology of inflammatory bowel diseases. Please send curriculum vitae and names of three references to: Dr. W. M. Chang, Department of Biochemistry and Biophysics, University of California, San Francisco, CA 94143.
Dr. Jean Gautier, Roche Institute of Molecular Biology, Nutley, NJ 07110-1199. We are an equal opportunity employer.
RESEARCH ASSOCIATE:
Entremed, Inc., a company that specializes in the development of innovative products from academic research, announces the availability of four POSTDOCTORAL POSITIONS in basic science: (1) Molecular biology of genes that regulate angiogenic processes; (2) Immune modulation of septic shock; (3) Molecular vaccines; (4) Angiogenic growth factors in neoplastic disease; and (5) Immunologic interventions in arteriosclerotic disease.

Positions are for two to four years beginning 1 October 1994; salaries are based on and publication record. Send transcript and curriculum vitae by November 30, 1994, to:

Entremed, Inc.
ATTN: Ms. Malena Ruiz
9610 Maryland Avenue, Suite 200
Rockville, MD 20850

DEPARTMENT OF AGRICULTURE (USDA) AGRICULTURAL RESEARCH SERVICE (ARS)
Veterinary Medical Officer/Microbiologist

USDA, ARS is seeking a qualified applicant to conduct research on respiratory diseases in turkeys and swine and to serve as a Research Leader in the Avian Diseases Research Unit at the Animal Disease Research and Diagnostics Laboratory in Iowa. The position is concerned with diseases of livestock, bacteria which are carried by animals and cause foodborne illness in people, and metabolism of toxicants.

Related directly education and/or work experience is required. Ph.D. is desirable. Must be U.S. citizen. Salary is commensurate with experience (GS-13/14/15; $49,401 to $68,667 annum). For further information and the program or position, contact Dr. Charles McFadden, USDA, ARS, 4200 North First Street, Phoenix, Arizona 85014. Applications in response to this advertisement should be marked 40039. Applications must be postmarked by December 13, 1994.

Mailing address:

USDA, Agricultural Research Service Personnel Operations Branch

Northern Section

6305 Ivy Lane, Room 322
Greenbelt, MD 20770-1435
An Equal Opportunity Employer

RESEARCH ASSOCIATE:
Fresenius Medical Care, a division of Fresenius AG, is seeking a Research Associate for a position in the Molecular Biology and Genetics Laboratory. The position is located in Limerick, PA 19046.

Salary: $30,000 - $35,000 per year, with a competitive benefits package. Responsibilities include cell culture, molecular biology, and DNA sequencing. Applicants must hold a Ph.D. in Molecular Biology or a related field and have experience in these areas.

For more information, please contact:

Fresenius Medical Care
Attention: Dr. John Doe
Limerick, PA 19046
Telephone: 610-555-1234
Fax: 610-555-1234

Equal Opportunity Employer

RESEARCH ASSOCIATE:
University of Kentucky, College of Agriculture, Animal and Food Sciences, is seeking a Postdoctoral Research Associate for a position in the Department of Animal Sciences. The position is located in Lexington, KY 40546.

Salary: $37,000 per year, with a competitive benefits package. Responsibilities include cell culture, molecular biology, and DNA sequencing. Applicants must hold a Ph.D. in Molecular Biology or a related field and have experience in these areas.

For more information, please contact:

University of Kentucky
Attention: Dr. Jane Smith
Lexington, KY 40546
Telephone: 859-257-1234
Fax: 859-257-1234

Equal Opportunity Employer

RESEARCH ASSOCIATE:
New York Botanical Garden, Bronx, NY 10458-5126, USA, 718-220-6504, is seeking a Research Associate in Molecular Systematics. The position is located in the Department of Plant Systematics and Molecular Biology. The successful candidate will conduct research in the field of molecular systematics, with an emphasis on plant taxonomy and evolution.

Salary: $30,000 per year, with a competitive benefits package. Responsibilities include cell culture, molecular biology, and DNA sequencing. Applicants must hold a Ph.D. in Molecular Biology or a related field and have experience in these areas.

For more information, please contact:

New York Botanical Garden
Attention: Dr. John Doe
Bronx, NY 10458-5126
Telephone: 718-220-6504
Fax: 718-220-6504

Equal Opportunity Employer
For more than 115 years, Eli Lilly and Company has been a leader in the research, development, manufacturing, and marketing of innovative pharmaceutical products. We have a history of a strong commitment to excellence and to our employees.

We have an immediate career opportunity for a molecular biologist in the Endocrine Research Department of Lilly Research Laboratories. A BS or MS degree with experience in neurobiology is required. Experience in relevant techniques such as in situ hybridization; Southern, Northern and Western blot analysis; gene cloning; and DNA sequencing would be desirable. The successful candidate will work on research projects directed towards understanding the molecular basis of estrogen and estrogen analogue actions in cognitive function and injury repair in the central nervous system.

We offer an attractive salary and benefits package, as well as opportunities for continued professional growth through in-house seminars and off-site programs. Please send resume to: Debbie Gutman-Carlisle, Corporate Recruitment, Dept. RS-94, Eli Lilly and Company, Indianapolis, IN 46285.

Eli Lilly and Company is an equal opportunity employer committed to diversity in the workplace.

A postdoctoral position is available to study the 
Saccharomyces cerevisiae mRNA transcription apparatus with emphasis on genetic and biochemical analysis of RNA polymerase II subunit function. Experience in molecular biology is essential and prior experience in yeast and/or transcription preferred.

The Roche Institute of Molecular Biology is an academic research institute funded by, but independent from, Hoffman-La Roche. The institute is affiliated with Columbia University, has exceptional resources, competitive salaries and is located in a suburban setting 10 miles west of New York City. Please send curriculum vitae and three letters of reference to: Dr. Nancy Woychik, Roche Institute of Molecular Biology, 340 Kingsland St., Nutley, NJ 07110. FAX: 201-235-5848. We are an equal opportunity employer.

Move into the exciting field of diagnostics sales and step up to a world of opportunity.

Our Diagnostics Group serves the clinical diagnostics market worldwide. Continued introduction of new products has created a need for sales representatives in several U.S. cities. Career paths include sales and product management leading to general management.

We require a B.S. or equivalent in a Life Science (MS, PhD or MBA is a real plus). Successful candidates must be willing to relocate.

For consideration, please send your resume to: Bio-Rad Laboratories, 4000 Alfred Nobel Dr., Dept. 444, Hercules, CA 94547. EOE M/FDV.

Applications are invited for an MRC-funded post investigating the molecular mechanisms by which proteins involved in RNA splicing recognise specific RNA sequences. The post is available for three years. The salary is on the R&A IA scale (£13,941 to £20,953 pa), with a starting salary of up to £17,813 pa. A PhD and a good first degree are required, with experience in protein biochemistry or molecular biology. International applications are welcomed.

Applications (including a CV and the names of two referees) should be sent to Dr Ian Eperon, Department of Biochemistry, University of Leicester, University Road, Leicester LE1 7RH. Informal enquiries should be made on tel: (0116) 2523482.

Towards equal opportunities.

Applications are invited for the position of Chair, Department of Physiology of the Faculty of Medicine at the University of Toronto.

The successful candidate will have an active research program and a strong record of scholarly achievement. She or he must be committed to excellence in education and have the leadership qualities and administrative skills necessary to develop the academic programs of the Department.

Applications should be sent to: Dr. Arnie Aberman, Dean, Faculty of Medicine, University of Toronto, Room 2109, Medical Sciences Building, 1 King's College Circle, Toronto, Ontario, MSS 1A8, FAX (416) 978-1774. Applicants should enclose a current curriculum vitae. Applications must be received before November 15, 1994.

The University of Toronto encourages applications from qualified men and women, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian Immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.
POSITIONS OPEN

The Seattle Biomedical Research Institute (SBRI) invites applications for SENIOR or STAFF SCIENTIST positions with names in Pathobiology at the University of Washington (UW). Applicants must have an independently funded research program in pathogen and/or host systems with which they interact and be willing to participate in graduate student training. The candidates for research positions should have experience examining host processes that are perturbed by pathogens, mechanisms of pathogen resistance/pathogen or hosts that can be exploited to develop disease control measures. Please send curriculum vitae, statement of proposed research, and organization of annual external program reviews. This individual will be responsible for the Intelligence in Scholarship program, University/Institute, and educational programs for the public. Applicants with M.D. or Ph.D. degrees and experience in university or industrial research organizations, or in foundations competitively funding medical research will be of particular interest. Applications should be sent to:

SCIENTIFIC AFFAIRS OFFICER
MONTEAL NEUROLOGICAL INSTITUTE
MCGILL UNIVERSITY

The Montreal Neurological Institute (MINI) is seeking to hire Scientific Affairs Officer with a Ph.D. in biomedical science, and a minimum of two years of experience in biomedical research. Applicants must have a strong background in molecular biology and genetics, and be familiar with the ethical and legal aspects of biomedical research. Please send curriculum vitae, a statement of research interests, and a brief description of your teaching experience. The deadline for applications is November 1, 1994.

McGill University is committed to Equity in Employment.

UNIVERSITY OF VERMONT
ASSISTANT PROFESSOR OF NEUROLOGY, AND ANATOMY AND NEUROBIOLOGY

The Department of Neurology, and Anatomy and Neurobiology, of the University of Vermont College of Medicine is seeking an individual with expertise in developmental neurobiology and postgraduate training in areas related to the cellular and molecular neurobiology of neurological disease. While qualifications for this tenure-track position include imaginative research in any area of cellular and molecular neurobiology, fundamental research which may be applicable to age-related neurodegenerative diseases, neural vulnerability, and neuroprotection related to neurological injury and disease, or the molecular genetics of neurological diseases are high priority areas. Joint appointments in both departments and the opportunity to be involved in educational programs for undergraduate, medical, and graduate students, as well as postgraduate fellows and physicians are available.

Applicants should submit curriculum vitae, bibliography, a brief (limit 500 words) description of research interests, and ask three references to send letters of recommendation to: Dr. W. F. Hamill, Chairperson, Department of Neurology, Medical Center Hospital of Vermont, 313 Burlington, VT 05401. Applications will be accepted until the position is filled. For further information, please call toll-free 1-800-777-7272.

The University of Vermont is an Affirmative Action/Equal Opportunity Employer. Women and people from diverse racial, ethnic and cultural backgrounds are encouraged to apply.

ANALYTICAL CHEMIST position in the Division of Clinical Pharmacology at the Uniformed Services University of the Health Sciences. An interdisciplinary graduate program leading to a Ph.D. in Biological Sciences, Chemistry, or Engineering with a concentration in Analytical Chemistry is offered at the University of California, Irvine. The program provides a unique opportunity for students to work with faculty within the School of Biological Sciences, the Department of Chemistry, and the Department of Biochemical Engineering and to focus their coursework and research in the areas of protein function and molecular biology. The program brings together approximately 20 faculty with research interests in structure/function of enzymes, metalloenzymes, receptors, and growth factors, protein folding and design, biopharmaceuticals, protein modification with non-natural amino acids; NMR spectroscopy; and X-ray crystallography.

The minimum budget request for the fiscal year 1995 admission is February 15, 1995. Address inquiries to: Graduate Program in Protein Engineering, University of California, Irvine, CA 92714-4686; Internet: Prot.Eng@uci.edu. Applications from underrepresented groups, minorities, women, and people with disabilities are encouraged.

POSITIONS OPEN

CellPro, Inc., a biotechnology company located in the Seattle area, has a Research Associate opening. Qualifications are: A degree in biological science, and three years of lab experience. Must have extensive technical skills in the areas of FISH, image analysis and automated slide scanning techniques. Other molecular biology techniques including Southern and Northern Blotting and an excellent benefit package. Please send your résumé to: Human Resources, CellPro, Incorporated, 22215-26th Avenue S.E., Bothell, WA 98021-8446.

SMITHSONIAN INSTITUTION FELLOWSHIP PROGRAM


SYSTEMATIC BOTANY

The Field Museum is seeking an outstanding SYT-EMATIC BOTANIST for a career-track appointment in the Division of Botany. Responsibilities include curating of relevant collections and participation in public education and exhibit programs. The successful candidate will be expected to contribute important collections and models in research and teaching.


MEETINGS

CHEMICAL MIXTURES AND QUANTITATIVE RISK ASSESSMENT

The Second Annual Symposium of the Health Effects Research Laboratory will be held November 7 to 10, 1994, at the North Raleigh Hilton in the vicinity of Research Triangle Park, North Carolina. The focus will be recent progress in chemical mixtures research, emphasizing advances in mechanistic understanding. Topics for discussion include current risk assessment guidelines and practices; experimental approaches, methods, and models to evaluate mixtures; and pharmacokinetic and pharmacodynamic interactive mechanisms. The purpose is to identify critical data needs and indicate future research directions, and to promote active dialogue on the role of mechanistic research on chemical mixtures in future risk-assessment strategies. For more information, contact: RSD Conference Coordinator, MD-70, Health Effects Research Laboratory, U.S. EPA Research Triangle Park, NC 27711 Telephone: 919-541-3814 FAX: 919-541-4002. Internet: meeting smells@heri45.heri.epa.gov.

ANNOUNCEMENTS

LEUKEMIA RESEARCH FOUNDATION GRANTS

The Leukemia Research Foundation, Inc. announces funds are available to support research in the field of leukemia. The goal of the grant program is to support individuals who are new investigators; preference will be given to applicants proposing new lines of investigation. Currently two types of Grants are being funded: RESEARCH GRANTS, and POSTDOCTORAL FELLOWSHIPS. Grants and fellowships are for a one-year period, and may be renewable for a second year. Deadline for receipt of completed grant applications is February 15, 1995. Research Grant Policies: 1. Eligibility is restricted to investigators who are staff members of a university, hospital, or nonprofit research institute. The applicant must be less than five years beyond the receipt of his or her Ph.D. degree or the time of the proposed starting date of the grant award. 2. Maximum budget request is $35,000. The funds may not be used for salary support of the principal investigator. Postdoctoral Fellowship Policies: 1. Maximum budget request is $20,000. The funds usually are used to support the fellow's salary. 2. Eligibility is restricted to postdoctoral trainees with an M.D. or Ph.D. degree. The fellow must have no greater than three years of postdoctoral training (excluding medical residency) at the time of the proposed starting date of the grant. 3. Applications must be submitted by the deadline of December 1, 1994. For additional information and application forms, contact: Hollis R. Brownstein, Chairperson, Medical Advisory Committee, Leukemia Research Foundation, 100 South Shore Drive, Lake Forest, IL 60045. Telephone: 1-708-725-1000.

FELLOWSHIPS

A limited number of POSTDOCTORAL and PREDOCTORAL FELLOWSHIPS are available from Sigma Delta Epsilon-Graduate Women in Science, (SDE-GWIS). Applications from women are particularly encouraged.

Fellowships are for $1,000 to $4,000. A total of $15,000 is available. Deadline is December 1, 1994.

For additional information and application forms send business-sized, self-addressed stamped ($2) envelope to: SDE-GWIS

P.O. Box 10177
San Diego, CA 92120

Requests for Eloise Gerry Fellowship forms should be made by those in the Biological and Chemical Sciences; others should request SDE-GWIS forms, except SDE-GWIS members, who may request Versa Notech forms.

TRAVEL AWARDS

Eli Lilly Travel Awards for graduate students presenting at national meetings are available through SDE-GWIS.

For information write:

Dr. Mary Jane Cunningham
2901 Middlefield Road No. 12
Palo Alto, CA 94306
BioGenex, a world leader in medical diagnostics and DNA synthesis products, was recently voted one of the fastest growing companies in the San Francisco Bay Area. We currently have opportunities for:

R&D Scientists
Candidates should have training or experience in the development of research and diagnostic products, and an advanced degree in Cell Biology, Immunology, Anatomic Pathology, Organic Chemistry, Molecular Biology, or Biochemistry. Prior experience in antibody development, protein chemistry, flow cytometry, DNA probes development, nucleic acid chemistry, and immunohistochemistry a plus.

Manufacturing and QA Professionals
Successful candidates should have an advanced degree in science, prior experience in manufacturing, QA/QC, and GMP. Previous experience with diagnostic or research product lines helpful.

Sales/Marketing Professionals
In addition to a life sciences degree, the successful candidates should have prior experience in sales and/or marketing, have excellent communication skills, and be willing to travel. We seek dynamic, high energy, self-motivated and results-oriented individuals to work in a small team-oriented environment.

BioGenex offers a competitive salary, stock option plan, 401(k), and excellent benefits. Send resume to:

BioGenex
4600 Norris Canyon Road
San Ramon, CA 94583

Leading Edge Research

Arris Pharmaceutical Corporation is a growing biopharmaceutical company dedicated to the rapid development of novel human therapeutics. Arris is committed to an innovative, multi-disciplinary and team-oriented approach that encourages both creativity & collaboration. We are offering the following career opportunities:

FORMULATION SCIENTIST
You will develop different dosage formulations of small molecule protease inhibitors for oral & topical administration; design and validate analytical methods for quantitating the active ingredient; oversee stability testing of the drug product; and coordinate with contract labs, government agencies and associate inflammation program scientists. Candidates must have a Ph.D. in chemistry, biochemistry or related discipline; 4-5 years' pharmaceutical experience in the areas of drug formulation and analytical methods development; and excellent communication and lab skills. Expertise in the area of protease inhibitors and inflammation preferred. (Job#50923-FS)

CELL BIOLOGY IMMUNOLOGIST
You will study the role of mast cells and mast cell proteins in inflammation, and examine the mechanism action of novel protease inhibitors on mast cell function. Ideal candidates will have a Ph.D. in immunology, cell biology, biochemistry or related discipline; 4-5 years' postdoctoral research experience in mast cell biology with prominent publications in this area; and excellent communication and lab skills. Expertise in the area of protease inhibitors and inflammation preferred. (Job#50923-CBI)

DRUG METABOLISM SCIENTIST
You will study the metabolism of protease inhibitors; develop analytical methods for identifying metabolites in biological fluids; support pharmacokinetic studies; and coordinate with contract labs, government agencies, and associate inflammation scientists. The position requires a Ph.D. in chemistry, biochemistry or related discipline; 4-5 years' pharmaceutical experience in the areas of drug metabolism and analytical methods development; and excellent communication and lab skills. Expertise in the area of protease inhibitors and inflammation preferred. (Job#50923-DSM)

DRUG METABOLISM RESEARCH ASSISTANT
You will be responsible for the execution of in vitro and in vivo metabolism studies; development of analytical methods for isolation; and characterization of test compounds in biological fluids. Candidates must possess a BS/MS in pharmacology, biochemistry, or related discipline; 3-5 years' drug metabolism research experience; and proficiency in using analytical equipment (i.e., HPLC, FPLC, spectrophotometer) and handling radiotopes. (Job#50923-DMRA)

SENIOR PROTEIN BIOCHEMISTRY SCIENTIST
Leading a protein biochemistry team of six scientists, you will work closely with x-ray crystallographers and molecular biologists on structure/function studies. You will also oversee the purification and characterization of rDNA-expressed receptor proteins from a variety of different sources, including eukaryotic cells, yeast and E.coli. The position requires a Ph.D.; minimum 5 years' relevant experience in postdoctoral protein purification; and the proven ability to produce highly purified proteins at the 100mg or greater scale. (Job#50923-SPB)

PHARMACOLOGY SCIENTIST
You will assist with the discovery and evaluation of new protease inhibitors for treatment of inflammatory diseases; conduct in vitro and in vivo studies to assess efficacy and toxicity of test compounds; and coordinate with contract labs, government agencies, and associate inflammation program scientists. Ideal candidates will have a Ph.D., in pharmacology, biochemistry, or related discipline; 4-5 years' pharmaceutical research experience; the proven ability to identify and develop animal models; and basic surgical skills for minor animal surgery. Expertise in the areas of inflammation, cardiovascular and pathology preferred. (Job#50923-P)

MOLECULAR BIOLOGY SCIENTIST
You will study & evaluate the structural-functional relationships of cytokine receptors and their ligands. Selected candidate will possess a Ph.D. in molecular biology or related discipline; 2+ years' postdoctoral research experience; proficiency in rDNA techniques, including cloning, in vitro mutagenesis, and DNA sequencing; and experience with expression of recombinant proteins in E.coli & mammalian systems, protein characterization, and receptor binding studies. Knowledge of phage display technology a plus. (Job#50923-MB)

Arris offers generous salaries & benefits, the potential for career advancement, and the opportunity to make significant scientific contributions. For consideration, please send resume & cover letter to:

Arris Pharmaceutical Corp.
Human Resources Dept., Attn: Job#385 Oyster Point Blvd., Suite 3
South San Francisco, CA 94080.
Equal Opportunity Employer
knock, knock.

(That's opportunity knocking. Hint: Turn to page 1904.)

Open the door to new possibilities by turning to the Careers special section in this issue of SCIENCE. Inside, you'll find information about exciting career opportunities at academic and research institutions as well as pharmaceutical and biotechnology companies. The key to a rewarding future is recognizing when opportunity knocks. SCIENCE gives you the chance to review available scientific positions from all around the world in our weekly recruitment advertising section and in our special sections, such as Careers. Unlock your career potential by reading SCIENCE.

Sometimes opportunity knocks just once.
FACULTY POSITIONS
DEPARTMENT OF BIOCHEMISTRY
AND BIOPHYSICS
TEXAS A&M UNIVERSITY

The Department of Biochemistry and Biophysics at Texas A&M University seeks applications for several tenure-track positions. These are 12 month appointments; while these positions are targeted at the assistant professor level, more senior applicants will be considered. Applicants with demonstrated productivity and evidence of potential for independent research in any area of biochemistry will be considered, although those with research interests in physical approaches to the study of biological macromolecules are especially encouraged to apply. In addition to research, participation in the Department’s undergraduate and graduate teaching programs will be expected. A Ph.D. in biochemistry or a related field plus appropriate postdoctoral experience is required.

The Department of Biochemistry and Biophysics has 34 full-time faculty and approximately 80 graduate students and 500 undergraduate majors. The Department is housed in a modern, spacious, and well-equipped research facility. The research interests of the faculty encompass broad areas of contemporary biochemistry and molecular biology.

Completed applications should include: a curriculum vitae, a short description of research interests, two copies of two reprints, and three letters of recommendation. All materials should be sent to: Dr. Paul Flatipatrick, Faculty Search Committee Chair, Department of Biochemistry and Biophysics, College Station, TX 77843-2128. Review of applications will begin Oct. 15, 1994.

Texas A&M University is an Affirmative Action/Equal Opportunity Employer.

NEW PINNACLES IN DRUG DISCOVERY

PARNASSUS PHARMACEUTICALS is an innovative San Francisco Bay Area biopharmaceutical company engaged in discovery, development and commercialization of small molecule therapeutic drugs. Our uniquely integrated expertise in the areas of molecular and cell biology, biochemical pharmacology, combinatorial biosynthesis, and chemistry-based drug design provides a solid foundation for the creation of novel pharmaceuticals targeting viral, metabolic and immune system diseases.

We have assembled a core group of scientists led by a senior management team whose proven drug discovery and development expertise will help advance our mission of developing new pharmaceuticals offering significant therapeutic value. We now seek additional talented scientists at all levels (B.S./M.S. and Ph.D.) to bring forth their best ideas and contribute their creative spirit as we strive for new pinnacles of achievement in the following areas.

MOLECULAR BIOLOGY, CELL GENETICS

Candidates will need skills in cDNA and/or genomic cloning, plasmid/cosmid construction, PCR, and gene expression in procaryotic and eucaryotic hosts. In addition, candidates experienced with genetic manipulation of gram-positive bacteria (actinomycetes) are particularly desired.

PROTEIN BIOCHEMISTRY

Focusing on the purification and biochemical characterization of protein-ligand interactions for soluble and membrane-bound receptor targets, you will need to be skilled in modern methods of protein isolation/characterization.

BIOCHEMICAL PHarmacology / HIGH-THROUGHPUT SCREENING

You will design, implement, and validate ligand binding and cell-based assay protocols amenable to high-throughput drug screening. Experience with membrane receptor assay technology, organization of peptide, chemical and natural product libraries, and automation for high-throughput screening is desired.

PEPTIDE SYNTHESIS

You will use modern methodologies for solid phase peptide synthesis to create novel peptide-diversity and peptide-insert libraries for multiple drug targets.

BIO-ORGANIC & SYNTHETIC & MEDICINAL CHEMISTRY

Qualified candidates will focus on ligand design, multistep and combinatorial organic synthesis, chromatographic purification and spectroscopic characterization of organic molecules to develop receptor agonists/antagonists.

Parnassus offers an entrepreneurial environment with opportunity for personal and professional growth, combined with a competitive compensation package, including equity participation. If you are excited by our mission and share our vision, please accept our invitation to forward your resume, noting your area of interest, to: Parnassus Pharmaceuticals, 1501 Harbor Bay Parkway, Alameda, CA 94502, FAX 510/748-7110. Equal Opportunity Employer.

PARNASSUS

Technological Excellence. Proven Experience.
HENRY M. JACKSON FOUNDATION

POST DOCTORAL POSITION, RESEARCH ASSISTANT

The Henry M. Jackson Foundation is recruiting for a Research Assistant in the field of cellular immunology and HIV infection. The position involves study of functional deficits of the cellular immune system acquired during the course of HIV infection and the development of tests for these deficits. Applicants should have a Ph.D. in immunology, molecular biology, virology, biochemistry, cell biology, or related discipline. Under certain circumstances, a DVM or MD degree with relevant research interest or experience may substitute for a Ph.D. Knowledge of clinical, virological, and immunological parameters of HIV infection, with an emphasis on events occurring in the natural history of HIV are sought. Experience with laboratory research projects and data management/analysis is essential. The position may involve supervision of one or more technical personnel and would be based at Wilford Hall Medical Center, Lackland AFB, San Antonio, Texas.

BIOSTATISTICIAN

A biostatistician is sought to work as part of a multidisciplinary physician scientist team in the design and interpretation of studies on the Natural History of HIV Disease Progression. The ideal candidate will hold a Ph.D. in mathematics, biostatistics or a closely related field and have a minimum of 3 years experience. The candidate must be proficient at a full range of basic statistical analyses, as well as with survival and risk analysis, time series modeling and forecasting, power calculations and experimental design. Ability to interact with computer scientists is essential. Familiarity with the clinical, immunologic and virologic features of HIV disease is highly desirable.

Qualified candidates for these positions should send a copy of their Curriculum Vitae including a list of references to:

The Henry M. Jackson Foundation
PO Box 700014
San Antonio, Texas 78270
1-800-468-6961 (210) 675-5022
FAX (210) 675-0173

AA/EOE

FACULTE DES SCIENCES AGRONOMIQUES
UNIVERSITE CATHOLIQUE DE LOUVAIN

At the College of Agriculture of the Catholic University of Louvain, one full time faculty position has become available:

Field: Molecular biology of microorganisms
Aim: to develop a research group devoted to molecular biology applied to fungi and bacteria and to supervise the mycoteque of the university (23 000 strains) with the use and development of molecular biology techniques applied to taxonomy.
Teaching will be in the areas of microbiology (mycology) and molecular biology.
Special qualifications: publications in molecular biology applied to microorganisms; a knowledge of fungal taxonomy will be an asset; otherwise, it will have to be acquired.

Duties will include lectures and practical tuition, in French, to undergraduate students, and supervision of postgraduate students. Candidates should have a Ph.D. in the field, postdoctoral experience and internationally recognized publications. They should be well recognized scientists with a broad knowledge of the various aspects of the field. They should have capability for teaching and for research group leadership. The recruitment level will depend upon experience and qualifications.
Start date will be October 1, 1995.
Applications should be sent before November 15, 1994.
Inquiries may be directed to:
Professeur E. Persoons, Doyen de la faculte des Sciences agronomiques de l'Universite catholique de Louvain, place Croix du Sud 2, bte 1 at 1348 Louvain-la-Neuve, Belgium.
Tel.: 32/10/47.37.19, Fax: 32/10/47.47.45,
e-mail:Persoons@sagr.ucl.ac.be

Alpha-Beta Technology is the pioneer in the discovery of carbohydrate-based therapeutics. We are developing a range of products that function to prevent and treat infections, lower cholesterol, and promote wound healing and hematopoiesis. As a member of our staff, you'll encounter an exciting R&D environment that encourages outside collaborations and offers a high degree of independence.

VICE PRESIDENT, RESEARCH & DEVELOPMENT BIOPHARMACEUTICALS

This is a unique opportunity to assume full responsibility for product development activities, providing direction and oversight. Specifically, you will be responsible for the day-to-day operations and management of Discovery Research, Cell Biology, Chemistry, Molecular Biology, Pharmacology, and Toxicology functions. You will also be the liaison and focal point for R&D and act as the technology bridge to Manufacturing, Clinical Affairs, Regulatory Affairs and Project Planning. Candidates must have a Ph.D. and strong educational credentials with a concentration in Chemistry, Biochemistry, Pharmacology, Cell Biology, Microbiology, and/or related fields. At least 10 years of relevant biopharmaceutical industry and functional experience demonstrating superior professional accomplishment as a research manager/director is imperative. Expertise in regulatory submission, analytical technology, product feasibility studies, pharmacology/toxicology, research/product development is required. Experience attracting and integrating the best research talent into an expanding biopharmaceutical environment is essential. Strong managerial capabilities with emphasis on matrix management in the areas of anti-infectives, inflammation, and wound healing is strongly preferred.

Alpha-Beta Technology offers excellent compensation and comprehensive benefits. Send your resume to Alpha-Beta Technology, Human Resources, Dept SM, One Innovation Drive, Worcester, Massachusetts 01605.

Alpha-Beta Technology
Imagine The Possibilities

At Berlex, we've built our reputation on FDA-approved product successes and a proven track record in the pharmaceutical industry. To meet the challenges before us, we're seeking a Molecular Biologist with knowledge of vascular biology/pathobiology to contribute to our Cardiovascular Department. If you've been looking to join forces with an internationally recognized pharmaceutical team, imagine building your career with Berlex in the beautiful San Francisco Bay Area.

SENIOR SCIENTIST/SCIENTIST
Molecular Biologist - Cardiovascular Dept.
As a member of our multidisciplinary team of scientists investigating the molecular basis of endothelial cell activation/dysfunction, you will focus on the identification of novel molecular mechanisms associated with vascular diseases. Along with a Ph.D. (or equivalent) and at least 3 years of post-doctoral work, your background should demonstrate skill in the identification of physiologically regulated genes and a knowledge of transcription and its control in cell/tissue based assays. Experience in the areas of cDNA library screening, differential gene expression, tissue culture and transcription assays is also desired. Prior experience with atherosclerosis or angiogenesis would be a plus.

As a US subsidiary of an international Fortune 500 company, Berlex is proud to offer competitive salaries and a generous benefits package. To apply, send your C.V. to: BERLEX, HUMAN RESOURCES EMPLOYMENT, 15049 SAN PABLO AVE., DEPT. B94-028, RICHMOND, CA 94804-0099. EOE. Principals only.

BERLEX
THE BEST IS YET TO COME

ANALYTICAL CHEMISTRY

Athena Neurosciences, Inc. is a growing biotechnology-based company committed to the discovery and development of new products to diagnose and treat diseases of the central nervous system. We have excellent opportunities for the following positions at our South San Francisco facility:

GROUP LEADER
-Analytical Chemistry & Quality Control-
As a group leader in Analytical Chemistry and Quality Control you will develop and validate assays for Athena’s small molecule products, direct and mentor associates in performing quality control and analytical assays. You will interact with R&D to transfer assays from research to development & manufacturing use. The skills required for this position include: a wide variety of chromatographic skills including GC & HPLC, spectroscopy skills such as UV, IR, MS, and NMR, knowledge of cGxP and experience in assay validation and regulatory submissions. We expect you to have a Ph.D. degree in analytical chemistry or a related field and at least 6 years’ industrial experience in a pharmaceutical environment or the equivalent. (JOB# S-0923-GL)

RESEARCH ASSOCIATE
-Analytical Chemistry & Quality Control-
As a Research Associate in Analytical Chemistry and Quality Control you will perform quality control and analytical assays for Athena's small molecule products. You will implement the transfer of assays from research to development & manufacturing use. The skills required for this position include a wide variety of chromatographic skills including GC & HPLC; spectroscopy skills such as UV, IR, MS, and NMR would be helpful. Knowledge and experience in cGxP is important. We expect you to have a Bachelors degree in chemistry or a related field and at least 4 years’ industrial experience in a pharmaceutical environment or the equivalent. (JOB# S-0923-RA)

SCIENTIST
-BioAnalytical Chemistry & Quality Control-
The successful candidate will develop assays for Athena's biological molecule products. You will interact with R&D to transfer assays from research to development & manufacturing. You will both perform quality control assays and review data from associates and contractors. The skills required for this position include a wide variety of separation science skills including all types of chromatography and electrophoresis. Significant experience in the development of immunological assays is important. Spectroscopy skills such as UV, MS, and NMR will be very useful. Knowledge of cGxP and experience in assay validation will be a major factor in a hiring decision. Experience in protein chemistry is a necessity. We expect you to have a Ph.D. degree in biopharmaceutical chemistry or a related field and at least 6 years’ industrial experience in a pharmaceutical environment or the equivalent. (JOB# S-0923-SC)

MANAGER
-Quality Assurance-
As a Manager of Quality Assurance you will be responsible for functions including release of commercial products; SOP administration and document control; materials management; and operational cGxP compliance and training; supplier quality and vendor certification and product complaints. Knowledge required for this position includes analytical chemistry, cGxPs, vendor qualification, materials testing and QA/QC principles. A Bachelors degree is required and a Ph.D preferred in Biochemistry, Microbiology, Pharmaceuticals or a related field, and at least 7 years' industrial experience in a pharmaceutical environment or the equivalent. (JOB# S-0923-MQA)

In addition to competitive salaries and benefits, Athena offers an innovative and exciting professional, scientific environment. To apply, Please send resume to: Athena Neurosciences, Human Resources, Attn: Job #, 800 Gateway Blvd., South San Francisco, CA 94080. EOE.

CELL REGULATION
Cellular/Molecular Biologist
Upjohn Laboratories Discovery Research is seeking an associate scientist to utilize molecular approaches in the study of cell regulation in disease and contribute actively to drug discovery projects.

Qualified candidates must have a B.S. or M.S. degree and at least two years of documented achievement in cellular and molecular biology, biochemistry, or a related discipline. Applicants with modern molecular experience in the investigation of cell proliferation, cell signaling, cell-cell interactions, or other aspects of cellular regulation related to growth control are especially encouraged to apply.

In addition to an excellent salary and benefits package, Upjohn Laboratories offers a stimulating, multidisciplinary research environment at our modern facilities located in Kalamazoo, a southwestern Michigan community located midway between Detroit and Chicago. This region provides an outstanding mix of cultural and recreational pursuits and a reasonable housing cost market. For confidential consideration please send your C.V. to: The Upjohn Company, Corporate Recruiting, Ad# 231, 7000 Portage Road, Kalamazoo, Michigan 49001. We are an Equal Opportunity employer with a commitment to workplace diversity.

Upjohn Advancing Science... Enhancing Life
**Scientific Opportunities at Bio-Rad Laboratories**

As a pioneer in the clinical testing of thyroid, B-12 and folates more than a decade ago, Bio-Rad Laboratories is helping to solve today's clinical laboratory problems with innovative tests for AIDS, diabetes, hemoglobin variants and drugs of abuse.

**Research Scientist:** Our continued growth has created the need for creative scientists with experience in the commercial development of non-isotopic immunoassays. Successful candidates will have a BS, MS or PhD in the Life Sciences or equivalent discipline and demonstrated success in the development of immunochemical assays.

**Assay Development Scientist:** You will help develop new assays for manufacturing on our new automated blood chemistry analyzer. This position requires a BS/MS in Life Science with 3+ years experience in assay development. FDA, GMP and ISO9000 experience in a medical device environment is considered a real plus.

**Process Improvement Scientist:** You will help continuously improve our Western Blot manufacturing process. This position requires a BS/MS in Life Science with 3+ years experience in Western Blot manufacturing and process control. FDA, GMP and ISO9000 experience in a medical device environment is considered a real plus.

To apply, please send your resume to: Bio-Rad Laboratories, 4000 Alfred Nobel Dr., Dept. 445, Hercules, CA 94547. An Equal Opportunity Employer, M/F/DV.

---

**CELL BIOLOGY**

The Department of Cell Biology in the Schools of Medicine and Dentistry at UAB invites applications for two full-time, tenure-track positions at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR level. Competitive applicants will have a Ph.D. or equivalent degree, postdoctoral experience, and clear evidence of research productivity, creativity, and independence. As the Department is committed to building an outstanding faculty with research expertise in cell and developmental biology, applicants providing evidence of employing comprehensive approaches to the investigation of fundamental problems in these areas will be seriously considered. The successful candidate will be expected to develop a strong, extramurally funded research program, to participate in the training of Ph.D. candidates, and to contribute to departmental responsibilities associated with graduate and professional student teaching. UAB is ranked in the top 20 institutions in NIH-funded research and offers an unusually interactive environment with state-of-the-art research facilities. The presence of multidisciplinary Centers and an interdepartmental graduate program in Cell and Molecular Biology fosters collaboration among the basic science disciplines and between basic science and clinical faculty. Salaries and start-up funds are competitive and commensurate with qualifications and experience. Applications, including the names of three references, a current curriculum vitae, and a summary of past accomplishments and future research plans should be sent by November 1, 1994 to:

Dr. Vytas A. Bankaitis, Department of Cell Biology, The University of Alabama at Birmingham, Birmingham, AL 35294-0005.

The University of Alabama at Birmingham is an Equal Opportunity/ Affirmative Action Employer.

---

**ASSISTANT/ASSOCIATE PROFESSOR: FOUR**

**Tenure-track positions beginning Fall 1995 in:**

**MARINE MICROBIOLOGY:** Primary teaching responsibilities in marine microbiology and bacterial physiology. Preference given to applicants with research expertise in use of molecular techniques for studying marine microbial processes in the coastal environment. WETLANDS PLANT ECOLOGY: Primary teaching responsibilities in plant ecology and plant biology. Preference given to applicants with research expertise in wetland and estuarine plant ecology who can collaborate with our terrestrial and marine ecologists. POPULATION GENETICS: Primary teaching responsibilities in general genetics and population genetics. Preference given to applicants with field and laboratory research expertise in population/evolutionary genetics using molecular techniques. COMPARATIVE ANIMAL PHYSIOLOGY: Primary teaching responsibilities in system-level comparative physiology. Preference given to applicants with research expertise in physiology of marine organisms at the system, cellular or molecular level. Candidates must have a strong commitment to teaching at the undergraduate and M.S. levels, participate in introductory courses in an ethnically and culturally diverse campus community. Applicants will be expected to show potential for teaching in the required subject area(s) and for developing and sustaining an independent, externally funded, research program involving students. Research start-up funds available may be supplemented with funds from the Howard Hughes Medical Institute. Applicants with a Ph.D., postdoctoral experience and a record of published research should submit a letter of application, curriculum vitae, brief statement of research and teaching interests, and 3 letters of recommendation to: Dr. D.L. Soltz, Chair, Dept. of Biological Sciences, California State University, Long Beach, CA 90840-3702, FAX: (310) 585-2315. Deadline November 1, 1994 or until filled. California State University, Long Beach is an Equal Opportunity/ Affirmative Action/Title IX Employer.

**Tenure/Track Faculty Position**

University of Minnesota Medical School Applications are invited for the position of Assistant Professor (Tenure-Track) in the Department of Pharmacology, Medical School. Successful candidates are expected to establish an outstanding independent research program, in addition to teaching, in the area of molecular pharmacology. Requirements include a Ph.D. in Biochemistry, Cell Biology, Molecular Biology, Pharmacology or related field, or an M.D., and 2 years of postdoctoral research experience. Candidates with a strong research background and experience using recombinant DNA and/or immunoassay technology for studying pharmacological problems and/or molecular biological problems are preferred. Applicants for Assistant Professor must have demonstrated involvement in quality research published in peer-reviewed journals. Appointment as Associate Professor (tenured) or Full Professor (tenured) may be considered for candidates who meet the qualifications established by the University of Minnesota, Associate Professor qualifications: Professional distinction in published research and demonstrated effectiveness in teaching and advising. Full Professor qualifications: National reputation in research and evidence of leadership in candidate's professional field. Evidence of consistently attracting extramural funding for research is required for appointment at the level of Associate or Full Professor.

Applicants should indicate level of position they are applying for and send a curriculum vitae, significant reprints, a statement of research plans, and three names for reference purposes to: Dr. S. A. Thayer, Chairperson of Search Committee, Department of Pharmacology, 3-249 Millard Hall, University of Minnesota, 435 Delaware Street S.E., Minneapolis, Minnesota 55455. Deadline for receipt of applications is October 14, 1994. Approximate start date January 1, 1995. The University of Minnesota is an equal opportunity educator and employer.

**POSTDOCTORAL RESEARCH ASSOCIATE**

**SUSTAINABLE BIOSPHERE PROJECT SCIENTIFIC COMMITTEE ON PROBLEMS OF THE ENVIRONMENT**

Applications are invited for a postdoctoral position with the Sustainable Biosphere Project, an international and multidisciplinary project to recommend practices and policies for sustainable natural resource use. The Research Associate will help initiate the Amazon Basin Case Study, including identification of participants and conduct of workshops. Candidates should have a Ph.D. degree in ecology or other relevant field and have conducted research in a topic associated with sustainability of natural resources. Preference will be given to those who have international experience and are bilingual (English and Spanish or Portuguese). Appointment is anticipated to be available October 1994 and will be for one year with the possibility of reappointment at the discretion of the Principal Investigator. The SBP Project Office is located at Oregon State University. Send a letter, resume, and the names of four references to Dr. Jane Lubchenco, Department of Zoology, Oregon State University, Corvallis, OR 97331-2914 USA. For additional information, contact Karla Alderman at 503-737-5363 or email aldermak@bcc.orst.edu. OSU is an Affirmative Action/Equal Opportunity Employer.
OCCUPATIONAL OPPORTUNITIES IN ELECTROPHYSIOLOGY, BEHAVIORAL BIOLOGY AND MOLECULAR BIOLOGY

Neuronen Corporation, a young dynamic company in the field of neuroscience, is currently expanding its staff in Electrophysiology, Behavioral Biology and Molecular Biology. Neuronen scientists are developing novel therapeutics for neurological and psychiatric disorders.

Electrophysiology
Postdoctoral or Senior Scientist position: The position involves developing and implementing assays for the evaluation of drug effects on neurotransmitter systems using the following techniques: two-electrode voltage-clamp analysis in Xenopus oocytes, patch-clamp recording in cultured cells, and single-electrode voltage-clamp or patch-clamp analysis in brain slices. Applicants should possess a Ph.D. or equivalent degree in a relevant discipline with expertise in patch-clamp analysis. Please respond to Department EP.

Behavioral Biology
Postdoctoral Fellow: The successful candidate will possess a Ph.D. in Psychology, Behavioral Neuroscience, or related field and have expertise in behavioral methodology, psychopharmacology techniques, and experimental design and analysis. Experience with animal models (rodents) of human CNS disorders and a working knowledge of the GABA neurotransmitter system, as well as anxiety and sleep disorders, are preferred. Excellent communication skills are required. Please respond to Department BB.

Molecular Biology
Senior Scientist: Ph.D. in Neuroscience or related discipline with emphasis on molecular biological studies and 2-3 years of postdoctoral experience. Experience in the isolation and expression of neuronal cell surface receptors and effectors required. Experience in expression cloning in mammalian cells is highly desirable. Excellent communication skills required. Please respond to Department BB.

Neuronen is located in Branford, Connecticut, close to New Haven. We offer a stimulating intellectual environment and state of the art laboratory facilities. Neuronen has a comprehensive compensation program consisting of competitive salary, equity participation, 401(k) plan, health and medical programs, as well as relocation assistance.

Interested candidates should send resumes with cover letter to the appropriate department listed above, Neuronen Corporation, 35 Northeast Industrial Road, Branford, CT 06405.

Neuronen Corporation

NATIONAL UNIVERSITY of SINGAPORE
LEE KUAN YEW POSTDOCTORAL FELLOWSHIP

Applications are invited for the Lee Kuan Yew Postdoctoral Fellowship from candidates with excellent academic records and proven research ability, and who had obtained their Ph.D. degrees in the last few years.

The Fellowship will be tenable for 3 years in the first instance, with possible extension for 2 further years. It will be held concurrently with the candidate’s appointment as a research staff member in one of the following Faculties/Institutes:

- Faculty of Engineering
- Faculty of Medicine
- Faculty of Science
- Institute of Systems Science
- Institute of Molecular and Cell Biology
- Institute of Microelectronics

Under the Fellowship, a tax-free stipend of US$1,500 per month will be provided. This will be in addition to the following terms of appointment normally provided to a research staff member:

- Gross annual salary ranges from S$49,700 to S$71,400. (The commencing salary will depend on the appointee’s qualifications and experience.) In addition, a 13th month allowance and an Annual Variable Component are payable under the flexible wage system applicable to staff on normal contracts.

- Leave and medical benefits will be provided. Depending on the type of contract offered, other benefits may include: provident fund benefits or an end-of-contract gratuity, a settling-in allowance, subsidised housing or a housing allowance, education allowance for up to three children subject to a maximum of S$16,425 per annum per child, passage assistance and baggage allowance for the transportation of personal effects to Singapore.

(USS1.00 = S$1.50 approximately)

All academic staff will be given a networked microcomputer with access to an IBM mainframe computer, UNIX hosts, a supercomputer, departmental laser printers, a wide spectrum of software, on-line library catalogue, CD-ROM databases, Teleview, INtv, Binet and Internet.

Applications for the Fellowship should be sent to:

The Director
Personnel Department
National University of Singapore
10 Kent Ridge Crescent
Singapore 0511

or through INTERNET to:
PERLEESK@LEONIS.NUS.SG, or Telefax: (65) 7793948.
(please indicate your area(s) of specialisation to facilitate the processing of your application.)

Closing date: October 28, 1994
# ICCDR-2
Second International Conference on Carbon Dioxide Removal

KYOTO, JAPAN  
Mon. 24 - Thu. 27 October 1994

## Sponsored by:
- Research Institute of Innovative Technology for the Earth (RITE)
- New Energy and Industrial Technology Development Organization (NEDO)

## Date:
October 24 (Mon.) - 27 (Thu.), 1994

## Venue:
Keihanna Interaction Plaza and RITE (Southern Part of Kyoto)

## Schedule (tentative):

<table>
<thead>
<tr>
<th>Date</th>
<th>Morning</th>
<th>Afternoon</th>
<th>Evening</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 24 (Mon)</td>
<td>Registration and Welcome Meeting at Kyoto Grand Hotel (18:00-20:30)</td>
<td>Session 1</td>
<td>Session 4, Reception</td>
</tr>
<tr>
<td>October 25 (Tue)</td>
<td>Plenary Session 1</td>
<td>Lunch</td>
<td>Session 3</td>
</tr>
<tr>
<td>October 26 (Wed)</td>
<td>Session 2</td>
<td>Session 3</td>
<td>Lunch</td>
</tr>
<tr>
<td>October 26 (Wed)</td>
<td>Session 6</td>
<td>Session 4</td>
<td>Poster Session</td>
</tr>
<tr>
<td>October 27 (Thu)</td>
<td>Session 2</td>
<td>Session 4</td>
<td>Session 6</td>
</tr>
</tbody>
</table>

## Invited Speakers (tentative):

### Preliminary Lectures
- Y. Kaya (Univ. of Tokyo, JAPAN)
- W.C. Turkenburg (Utrecht Univ., THE NETHERLANDS)
- O. Erga (Trondheim Univ., NORWAY)
- A. Chakma (Univ. of Calgary, CANADA)

### Session 1: Carbon Dioxide Separation and Recovery
- E.E. Adams (MIT, USA)
- P.M. Haugan (NERSC, NORWAY)
- L.G.H. van der Meer (TNO, THE NETHERLANDS)
- Y. Shindo (NIMC, AIST, MITI, JAPAN)
- S. Tanaka (Univ. of Tokyo, JAPAN)

### Session 2: Carbon Dioxide Storage
- M. Aresta (Bari Univ., ITALY)
- K.W. Lee (KRICT, KOREA)
- S. Masuda (RITE, JAPAN)
- A. Fujishima (Univ. of Tokyo, JAPAN)

### Session 3: Fixation / Utilization of Carbon Dioxide (Chemical Method)
- M.M. Saier, Jr. (Univ. of California, San Diego, USA)
- K.G. Zeiler (National Renewable Energy Lab., USA)
- H. Michiki (RITE, JAPAN)

### Session 4: Fixation / Utilization of Carbon Dioxide (Biological Method)
- P. Riemer (The IEA Greenhouse Gas R&D Program, UK)
- M. Steinberg (Brookhaven National Laboratory, USA)

### Session 5: Technologies for Reduction of Carbon Dioxide
- I.C. Webster (The IEA Greenhouse Gas R&D Program, UK)
- N. Nakicenovic (IIASA, AUSTRIA)
- H. Komiyama (Univ. of Tokyo, JAPAN)
- Y. Yanagisawa (RITE, JAPAN)

### Session 6: System for Countermeasures of Carbon Dioxide
- Chairperson of the Organizing Committee:
  - Jiro Kondo (RITE Director General)

## Registration Fee:
- 35,000 yen (Students: 12,000 yen)

For further information, please contact:
ICCDR-2 Registration Secretariat
Inter Group Corp.
5F, Buiio Bldg., 3-7-3, Nakatsu, Kita-ku, Osaka 531
JAPAN
Phone:+81-6-376-2963  Fax:+81-6-372-6127
The Department of Biochemistry, Midwestern University, invites applications for a new, tenure-track faculty position at the rank of Assistant Professor. Applicants must hold a Ph.D. degree in Biochemistry (or equivalent), have completed a postdoctoral research fellowship, and have demonstrated both ability and interest in teaching Biochemistry to health career students. The successful candidate will teach in several team-taught courses (Biochemistry, Nutrition, Genetics) for health career students (medical, pharmacy and allied health), and with the creation of an independent research program in Biochemistry. Interested applicants should send a cover letter summarizing their teaching experience and current research interests, and future plans; curriculum vitae; representative publications; and the names of three references. Candidates invited for interviews must also submit a teaching portfolio.

Interested applicants should send the above items to: Sandra Lee, Ph.D., Chairman, Biochemistry Department.

MIDWESTERN UNIVERSITY
555 31st Street
Downers Grove, IL 60515

Faculty Positions
Molecular, Cell and Developmental Biology

Department of Biochemistry and Molecular Biology
University of Texas
M.D. Anderson Cancer Center

Applications are invited for tenure track positions at the Assistant Professor level. Exceptional applicants may be considered for an Associate Professor position. The Department is one of several basic science departments at MDACC, which are limited teaching responsibilities but maintain strong predoctoral and postdoctoral training programs within focused research areas. The present focus of the Department is on molecular aspects of cell and developmental biology, emphasizing both vertebrate and invertebrate systems. Current strengths include transcriptional regulation of development and disease, developmental genetics, chromatin structure, myogenesis, glycochemistry, cellular interactions, membrane-cytoskeleton interactions, and intracellular signaling. Applications are encouraged from individuals who will bring diverse experimental systems to complement these and related areas within the overall scope of the Department. The MDACC is located in the Texas Medical Center, which includes Baylor College of Medicine and The University of Texas Health Science Center, offering an unusually rich scientific and training atmosphere. Send a curriculum vitae, a description of research interests, and the names, addresses, and telephone numbers of at least three references by November 15, 1994 to:

Barry D. Shur, Ph.D., Chair, Search Committee, Box 117, Department of Biochemistry and Molecular Biology, M.D. Anderson Cancer Center, 1515 Holcombe Blvd., Houston, TX 77030 FAX: 713-790-6329

The University of Texas M.D. Anderson Cancer Center is an Equal Opportunity/Affirmative Action Employer.
DEPARTMENT OF THE ARMY OPPORTUNITIES

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

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

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

Apply To:
U.S. Army Materiel Command
5001 Eisenhower Avenue
ATTN: AMCP-2-CS
Alexandria, VA 22333-0001
(703) 274-9415

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

The Department of Army is an Equal Opportunity Employer—U.S. Citizenship Required

ASSISTANT DIVISION DIRECTOR
MEDICAL SCIENCES DIVISION
(Reference #290-94)

The Medical Sciences Division of Oak Ridge Institute of Science and Education, managed by Oak Ridge Associated Universities through a management and operating contract with the U.S. Department of Energy, is seeking an Assistant Division Director to assist in managerial leadership and scientific guidance of the division's applied research and technical assistance/education programs. Other duties will include providing administrative oversight for specific programs; scientific/professional guidance for new project/program development; support for same; and providing expert clinical training and support and project leadership to Radiation Emergency Assistance Center and Training Site (REAC/TS) and Epidemiology program.

Requirements: M.D. plus postdoctoral specialty board certification/degree, ten years program management and development experience, and international/national peer recognition through publications and appointments to expert groups. Must be licensed to practice medicine in Tennessee, be eligible, and possess a DOE Security Clearance or be eligible. Experience in radiological health, toxicology, and epidemiology desired. Must possess excellent leadership, management, interpersonal and communication (written and oral) skills, and be knowledgeable of ORAU/ORISE clients and funding sources (DOE, NIH, NCI, EPA, NRC, etc.).

Send resume (include job Reference number), salary history and requirements, and references to:

Employment Office
OAK RIDGE ASSOCIATED UNIVERSITIES
P.O. Box 117
Oak Ridge, TN 37831-0117

NO PHONE CALLS, PLEASE

"ORAU is an Equal Opportunity Employer. We do not discriminate on the basis of race, religion, sex, color, age, national origin, Vietnam Era veteran or disability."

CIAT Centro Internacional de Agricultura Tropical
International Center for Tropical Agriculture

invites applications for
DIRECTOR GENERAL

CIAT is a leading agricultural research institute with a mission to contribute to the alleviation of hunger and poverty, while preserving the natural resource base, in developing countries of the tropics. It is a member of the Consultative Group on International Agricultural Research (CGIAR). CIAT, whose research center is near Cali, Colombia, focuses on four commodities: beans, cassava, rice, and tropical forages; and two fragile agroecosystems in Latin America: the highlands and the tropical lowlands. CIAT works across Latin America, and also has programs in Africa and Asia. The annual budget is about US$30 million, with 80 internationally recruited senior scientists and 980 support staff.

The Director General should have a proven record in leadership, management and scientific research administration; high academic qualifications in agricultural or related sciences, with a broad understanding of issues and an awareness of global affairs that affect research in agriculture and natural resource management in developing countries; a successful record in fund raising for research; direct experience in research in developing countries, and in living in cross-cultural environments.

Salary and perquisites are internationally competitive. The term of office begins in March 1995, or soon afterward.

Applications will be accepted until 15 October 1994, or until the position is filled. Send curriculum vitae and the names of three referees to: Professor R B Flavell, Chairman CIAT DG Search Committee, John Innes Centre, Norwich Research Park, Colney, Norwich NR4 7UH, United Kingdom. Fax: (44-603) 56844.
**ASSOCIATE DIRECTOR, CLINICAL DEVELOPMENT**

We are a dynamic and growing biopharmaceutical company engaged in the research, development, and manufacture of proprietary diagnostic, vaccine, and therapeutic products for infectious diseases, immune system disorders, and certain cancers.

Specific responsibilities will encompass directing clinical trials programs currently including: domestic and international AIDS vaccines, prostate and breast cancer, AIDS therapeutics, chlamydia vaccine development, and anaergies.

Requirements include an M.D. and oncology/infectious disease background. A Ph.D. or M.P.H., plus international clinical trials and/or industrial experience would be desirable.

We offer a competitive salary, bonus opportunity, comprehensive benefits, and a rewarding opportunity to play a key role in solving the planet's urgent healthcare problems. For confidential consideration, please mail/FAX your resume with salary requirement, to: Human Resources, Dept. ADS, United Biomedical, Inc., 25 Davids Drive, Hauppauge, New York 11788; FAX (516) 272-1717. We are an equal opportunity employer M/F/D/V.

**UNITED BIOMEDICAL, INC.**

Innovation through focused research

---

**DRUG DISCOVERY IN HEMATOPOIESIS**

**Temporary Scientist**

SmithKline Beecham Pharmaceuticals, a worldwide leader in pharmaceutical research, has a challenging opportunity within the Department of Molecular Virology and Host Defense, a 45-member group whose activities encompass basic and applied research on many aspects of molecular virology, and the immunology of infectious diseases including discovery of novel anti-viral, viral pathogenesis, immunomodulation and hematopoietic cytokine research.

Working with a Senior Investigator, you will carry out experimental strategies for evaluating the mechanism of action of hematopoietic compounds, and will establish new assays for studying signal transduction events in hematopoietic cells. The qualified candidate will have a BS or MS in a biological science with at least 3 years postgraduate experience. Excellent laboratory skills are required including experience with cell and tissue culture, experience in the establishment of biochemical and immunological assays, and a working knowledge of molecular biology techniques. Experience with data analysis and good communication skills are required, with industry experience preferred.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation and benefits package, including relocation, and a stimulating work environment in which to grow and excel. For confidential consideration, please send resume with salary history to: SmithKline Beecham Pharmaceuticals, Job #H0324, PO Box 879, Conshohocken, PA 19428. We are an Equal Opportunity Employer, M/F/D/V.

**SmithKline Beecham Pharmaceuticals**

Challenging the natural limits.

---

**Director of Genetic Counseling Graduate Program**

Applications are invited for the position of Director of the Genetic Counseling Graduate Program in the Center for Molecular Medicine and Genetics. This is a new position whose responsibilities include the development and direction of a graduate program in genetic counseling and the establishment of a liaison between clinicians, basic scientists and families interested in issues and research pertaining to human genetic diseases. Minimum qualifications are a master's degree in medical genetics/genetic counseling with American Board of Medical Genetics certification and at least five years of clinical experience and administrative, teaching, and research experience related to medical genetics/genetic counseling. Applicants should send complete curriculum vitae, a brief description of their teaching, research, administrative accomplishments and future interests (3-4 pages), a bibliography, reprints of significant publications, and recommendations from at least three references by Nov. 1, 1994, to:

**Dr. Robert H. Rownd, Director**

Center for Molecular Medicine and Genetics
Wayne State University School of Medicine
3216 Scott Hall
540 East Canfield
Detroit, MI 48201

Wayne State University is an equal opportunity/affirmative action employer. Wayne State University - People working together to provide quality service. All buildings, structures and vehicles at WSU are smoke-free.
GENERELEASER

PCR* READY DNA IN 5 MINUTES

1993
R&D
100
WINNER

PCRandRT-PCR

BLOOD
ANIMAL
TISSUE
PLANTS
BACTERIA
VIRUSES

SAMPLE
TYPES

* FIVE MINUTE PROTOCOL

* MULTIPLE ASSAYS

* KITS NOW AVAILABLE

IN ADDITION TO THE STOCK GENERELEASE R REAGENT, KITS FOR DNA AND RNA PREPARATION FROM MOUSE TAILS, WHOLE TISSUES, YEASTS, PLANTS, AND PARAFFIN EMBEDDED TISSUES ARE AVAILABLE COMPLETE WITH PROTOCOLS, MICROWAVE RACK, DISPOSABLE PESTLES AND TUBES FOR 50 ASSAYS.

CALL NOW FOR ONE OF THE MOST COST EFFECTIVE, INNOVATIVE SAMPLE PREPS AVAILABLE

BioVentures, Inc.

Phone 800-235-8938  FAX 615-896-4837

*PCR IS COVERED BY PATENTS OWNED BY HOFFMANN-LA ROCHE

Circle No. 5 on Readers’ Service Card
The pET System
Your Choice for Expression

Whereas other systems offer few options for cloning and expression, Novagen has made the commitment to offer the widest possible selection of strategies for exploiting the power and stringency of the T7 promoter. Not only convenient, these options are essential since no one strategy or condition is suitable to express every target protein.

<table>
<thead>
<tr>
<th>Fusion Tags Available for pET Constructs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tag</td>
</tr>
<tr>
<td>---------------</td>
</tr>
<tr>
<td>T7-Tag</td>
</tr>
<tr>
<td>S-Tag</td>
</tr>
<tr>
<td>His-Tag</td>
</tr>
<tr>
<td>HSV-Tag</td>
</tr>
<tr>
<td>pelB/ompF</td>
</tr>
</tbody>
</table>

Effect of Vector/Host Combination on Expression Levels of Two Proteins

<table>
<thead>
<tr>
<th>Recombinant antibody (toxic)</th>
<th>Human p53 (nontoxic)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T7lac (uninduced)</td>
<td></td>
</tr>
<tr>
<td>T7 lac</td>
<td></td>
</tr>
<tr>
<td>pLysE</td>
<td></td>
</tr>
<tr>
<td>T7 lac</td>
<td></td>
</tr>
<tr>
<td>pLysS</td>
<td></td>
</tr>
<tr>
<td>T7 lac</td>
<td></td>
</tr>
<tr>
<td>pLysS</td>
<td></td>
</tr>
</tbody>
</table>

Modulation of Expression Levels

The pET System® has allowed the cloning and expression of many genes that have failed in E. coli promoter-based systems (e.g., lac, tac, g) because they are "leaky," i.e., they allow sufficient basal transcription to cause some accumulation of target proteins in the uninduced state. These products can either kill the host cells or slow their growth sufficiently to allow selection of non-producers. The pET System uniquely provides:

- Regulation at the host level: three basic expression host types ranging from low to high stringency
- Regulation at the promoter level: low and high stringency promoters

In all, six possible vector/host combinations allow tuning of expression to suit individual target genes (see gel photo for examples).

Widest Selection of Cloning Options and Fusion Tags

- Versatile polynucleotides allow cloning with or without vector-encoded fusion peptides at either terminus
- 11 origin of replication allows ssDNA preparation for mutagenesis or sequencing
- Original His-Tag fusions for fast, economical purification under native or denaturing conditions using His-Bind™ Resin
- T7-Tag™, HSV-Tag™ fusions for immunological detection with companion monoclonal antibodies
- New S-Tag™ fusion for rapid quantification, blot detection and affinity purification
- Tag options include multiple detection and purification approaches

Choice of Companion Products for Convenience, Reliability

- Competent cells of cloning hosts and protease-deficient expression hosts
- Complete selection of detection and purification kits
- Vector primers
- Sequences on disk
- Single Tube Protein™ Red Nova Lysate®, Primers-to-Protein™ in vitro translation kits for rapid screening of pET recombinants
- pET T-Vectors for rapid, convenient cloning and expression of PCR** products

*The pET System is covered by U.S. Patent #4,952,406. A nondistribution agreement accompanies the products. Commercial customers must obtain a license agreement from Associated Universities before purchase.
**The PCR process is covered by patents owned by Hoffmann-LaRoche.