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**POSITIONS OPEN**

**MOLECULAR BIOLOGY**. Applicants invited for tenure-track ASSISTANT PROFESSOR position to begin August 1993. The University of New Mexico School of Medicine (UNMSOM) is seeking applicants with a Ph.D. in biochemistry for the position of RESEARCH ASSISTANT PROFESSOR. Salary in the $28,000 per annum range and tentative start date of July 1, 1993. The primary appointment will be in the Department of Biochemistry. Candidates should have a demonstrated ability to initiate and develop an independent research program and to obtain extramural funding. They should be familiar with radioimmunoassay techniques and methods of protein and enzyme analysis. A modern facility and medical student rotation and resident teaching is expected. Interested applicants should send curriculum vitae, representative publications and the names of three references to: Dr. Karl A. Zucker, M.D., Department of Surgery, 2211 Louisiana Boulevard, NE, Albuquerque, NM 87131. UNMSOM is an Equal Opportunity/Affirmative Action Employer.

**OBERLIN COLLEGE**

The Biology Department invites applications for a non-continuing one-semester position as ASSISTANT PROFESSOR beginning August 15, 1993. The incumbent will teach courses in Virology or Immunology, and several lectures in a team-taught non-major course. Candidates must demonstrate interest and potential excellence in undergraduate teaching and have a Ph.D. or A.B.D. expected by August 1993. To be assured of consideration, a letter of application, résumé, undergraduate and graduate transcripts, and at least three letters of reference should be sent to: David H. Miller, Chair, Biology Department, Oberlin College, Oberlin, OH 44074, by April 1, 1993. Application materials received after this date may be considered untimely. The position is filled: FAX: (216) 775-8960. Equal Opportunity/Affirmative Action Employer.

**FACULTY POSITIONS CLINICAL PHARMACOLOGY**

The Division of Clinical Pharmacology at the Medical University of South Carolina seeks to fill up to two positions at the ASSOCIATE PROFESSOR level over the next year. Applicants should have an M.D. or M.D./Ph.D. degree, postdoctoral training and the enthusiasm to develop independent research careers in an environment of collegiality and collaboration. We are looking for scientists physicists with interests and capabilities in hypertension, clinical pharmacology, clinical research and/or cardiovascular diseases, channels, signal transduction mechanisms, or genetics of drug metabolism. The environment is rich in senior-level scientific and clinical expertise. Competitive salaries, start-up funds, technical support and laboratory space are available. The division has a record of highly successful and continuing extramural funding. An array of important resources which include: both inpatient and outpatient NIH-supported clinical research units (1000 hypertensive patients); extensive analytical capabilities (e.g., triple quadrupole and new high high mass, high performance tandem mass spectrometers); and access to hybridoma, cell culture, synthetic organic chemistry, and peptide and DNA sequencing facilities are available. Send curriculum vitae, reprints, lists of references and a summary of career goals to: Perry V. Halkias, M.D., Ph.D., Director, Department of Pharmacology, Medical University of South Carolina 171 Ashley Avenue Charleston, SC 29425 An Equal Opportunity/Affirmative Action Employer.

**POSITIONS OPEN**

Physicians at the ASSISTANT or ASSOCIATE PROFESSOR level—The University of Texas Medical Branch (UTMB) at Galveston, TX, is a historically Gulf Coast island community, is expanding its Geriatrics Division and Center on Aging. Positions are available for Physicians at the Assistant or Associate Professor level who are interested in teaching and directing geriatric medicine, in health services research. Programs include outpatient evaluation and primary care, a day hospital, an inpatient geriatric unit, home care and other affiliations. Interested individuals should submit curriculum vitae to: James S. Goodwin, M.D., Division of Geriatrics, UTMB, Galveston, TX 77555-0460. An Equal Opportunity/Affirmative Action Employer M/F/D/V. UTMB is a smoke-free/drug-free workplace. UTMB hires only individuals authorized to work in the United States.

**ASSISTANT/ASSOCIATE PROFESSOR**—North Carolina—The Neurology Section of the Department of Pediatrics at East Carolina University School of Medicine invites applications for tenure-track position to continue development of a research program in perinatal hypoxic/ischemia brain injury. Candidate must be actively engaged in this field with current or pending extramural funding and be able to develop a strong independent laboratory research program. He/She will interact with Neurology faculty with basic science and clinical research training and residency programs. Applicants should hold a Ph.D. or M.D., with significant experience in extramural research.

Applicants should send curriculum vitae, summary of research experience, and names of three references by April 1, 1993, to: Arthur E. Kopelman, M.D., Neurology Section, Head, Pediatrics, EAST CAROLINA UNIVERSITY SCHOOL OF MEDICINE, GREENSVILLE, NC 27834-4534 or via FAX: (919) 651-3292. Affirmative Action/Equal Opportunity Employer. Applicants must comply with Immigration Reform and Control Act.

Department of Physiology and Biophysics

**MOLECULAR/CELLULAR PHYSIOLOGIST IN MUSCLE CONTRACTION/CELLULAR STRENGTH**

University of Illinois at Chicago

The Department of Physiology and Biophysics seeks a tenure-track faculty member at the level of ASSISTANT PROFESSOR. We are seeking candidates with interests in molecular and cellular aspects of muscle contraction and cell motility. Applicants must have a doctorate degree, and several years of postdoctoral experience, and should be prepared to carry out independent research and to participate in the teaching activities of the department. Applicants must be able to teach mammalian physiology to graduate and health professional students, and to develop an advanced graduate-level course in their area of interest. Strengths of the department include molecular physiology of muscle contraction/cell motility, signal transduction and neurotransmission, molecular neurobiology, molecular biomechanics and epithelial transport biology. Applicants should send curriculum vitae and bibliography, a statement of current research interests, and the names of three references to: Dr. B. John Solano, Department of Physiology and Biophysics, M/C 901, University of Illinois College of Medicine at Chicago, 901 South Wolcott Avenue, Chicago, IL 60612-7342. The University of Illinois is an Equal Opportunity/Affirmative Action Employer.

The Department of ANATOMY and CELL BIOLOGY invites applications for a 12-month, tenure-track, faculty position at ASSISTANT or ASSOCIATE PROFESSOR level. The Ph.D. or M.D. degree with postdoctoral experience is required. The applicant will be expected to teach in the GROSS ANATOMY or NEUROANATOMY medical school courses, and preference will be given to those with teaching experience. The applicant will also be expected to maintain an independent research program with extramural support, and to participate in graduate education. Current research interests in the department include developmental cellular and molecular biology and neuroscience. Applicants should send curriculum vitae, a list of research interests, and the names of three references to: Dr. M. A. Q. Siddiqui, Professor and Chairman, Department of Anatomy and Cell Biology, State University of New York, Health Science Center at Brooklyn, 450 Clarkson Avenue, Box 5, Brooklyn, NY 11203. The State University of New York is an Equal Opportunity/Affirmative Action Employer. DMAC#C1008.
TENURE-TRACK ASSISTANT PROFESSOR

A tenure-track assistant professor position is available at the Center for Functional and Metabolic Imaging (CFMI), in the Department of Radiology, University of Pennsylvania. Applicants should have a Ph.D. or M.D. degree with a strong background in neuroanatomy and neurosciences, as well as an ability to work with nonhuman primates in PET, SPECT and MRI imaging procedures. The position will also play a key role in bridging the gap between basic chemistry, pharmacology and clinical research. Working knowledge of image analysis and development of animal models will be necessary. There is a need in the Center for a research human is required. The successful candidate is expected to join the ongoing research program at CFMI and attract extramural support. The University of Pennsylvania is an Equal Opportunity Employer, women and minorities are encouraged to apply. Please send résumé to: Dr. Hank F. Kung, Room 305, 3700 Market Street, Philadelphia, PA 19104.

FACULTY POSITION IN VISION RESEARCH

JULES STEIN EYE INSTITUTE
University of California Los Angeles

The Retina Division of the Department of Ophthalmology at UCLA and the Jules Stein Eye Institute and Doris Stein Eye Research Center invite applications for the position of ASSISTANT OR ASSOCIATE PROFESSOR OF OPHTHALMOLOGY to establish a program in Retinal Transplantation. Candidates should possess a Ph.D. in Cell Biology, strong background in vision research experience and interest in teaching, and desire to collaborate with both basic scientists and clinicians. Preference will be given to candidates with expertise in Retinal Transplantation who have demonstrated research potential and a record of extramural funding. Qualified individuals should submit curriculum vitae, three references, and a letter describing research interests and accomplishments. Applications are encouraged before March 15, 1993, to: Dr. Hans G. Spragg, Chair, Search Committee, 1304 West Pennsylvania Avenue, Urbana, IL 61801.

SENIOR RESEARCH ASSISTANT PROFESSOR

Section of Allergy/Immunology, East Carolina University School of Medicine is seeking a senior-level research associate to study anti-inflammatory mediators in asthma. Applicant must have a Ph.D. and experience in animal physiology, immunology, pharmacology, or closely related fields. At least two years of training experience. Please send curriculum vitae and three references to: W. James Metger, M.D., Department of Medicine: Immunology, East Carolina University School of Medicine, Greenville, NC 27834-4354. East Carolina University is an Affirmative Action/Equal Opportunity Employer. Federal law requires proper documentation of identity and employee ability prior to final consideration for this position.

BIOLOGY FACULTY POSITION ASSISTANT PROFESSOR

A full-time faculty position in biology at the Assistant Professor level is available beginning with the fall 1993 semester at King's College, Wilkes-Barre, Pennsylvania. An Animal Physiologist with an interest and expertise in Population Biology is sought. The successful applicant will be expected to teach undergraduate biology courses for majors and non majors and to supervise an active undergraduate research program. The successful candidate must have a primary interest and commitment to quality undergraduate instruction. This position is renewable and may lead to tenure.

The Biology Department, which will be housed in a new building by fall 1994, has an active Molecular Biology Program and a Biotechnology Group in association with other departments at the College. A statement of teaching and research interests, curriculum vitae, and the names, addresses and telephone numbers of three references should be submitted by interested candidates to: William A. Shergalis, Ph.D., Dean of Arts & Sciences, King's College, Wilkes-Barre, PA 18711, or faxed to 908/245-3261. King's College is sponsored by Congregation of Holy Cross, is an Equal Opportunity Employer, and encourages applications from women and minorities.

ASSISTANT CURATOR IN INVERTEBRATES

American Museum of Natural History

The Department of Invertebrates invites applications for a tenure-track curatorial position to be available September 1, 1993. Salary shall be determined based upon qualifications and experience. The prime requisite is a strong research program on a major invertebrate group. Well-researched, but not necessarily original, work in marine biota, preferably with a fossil record. The focus should be on the study of its systematics, biogeography, and diversity. Curators of the Department's collections and participation on Museum committees and in the Museum's exhibition programs are other important requisites of employment. The successful candidate must have the Ph.D. in a major invertebrate group. Applicants should include (1) a brief statement of research interest; (2) curriculum vitae; (3) complete bibliography; and (4) three letters of recommendation from persons familiar with the applicant's qualifications. Applications must be submitted by March 15, 1993, to: Dr. Neil H. Landman, Chairman, Search Committee, Department of Invertebrates, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024-5192.

An Equal Opportunity Employer.

Assistant Professor

The University of Illinois invites nominations and applications for the position of HEAD, DEPARTMENT OF PLANT PATHOLOGY. Seeking distinguished individuals to serve as Head of the Department, a Claire C.1. and W. E. Lewis, M.D. or Dean, Ph.D., Jules Stein Eye Institute, 100 Stein Plaza, UCLA School of Medicine, Los Angeles, CA 90024. UCLA is an Equal Employment Opportunity/Affirmative Action Employer.

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

Department Chairperson, ANATOMICAL SCIENCE OF PACIFIC SCHOOL OF DENTISTRY, 2155 Webster Street, San Francisco, CA 94115, invites nominations and applications for this full-time, tenure-track position, available January 1, 1994. Responsibilities include providing didactic instruction, conducting independent research, managing and developing faculty, and providing service. Required: Ph.D., teaching experience, and established record of anatomical science research with ability to attract independent research funding. Equal Opportunity/ Affirmative Action Employer. Send application with curricular vitae to: Dr. David Chambers, Associate Dean for Academic Affairs, by June 1, 1993.

DEPARTMENT CHAIRPERSON, ANATOMICAL SCIENCE OF PACIFIC SCHOOL OF DENTISTRY, 2155 Webster Street, San Francisco, CA 94115, invites nominations and applications for this full-time, tenure-track position, available January 1, 1994. Responsibilities include providing didactic instruction, conducting independent research, managing and developing faculty, and providing service. Required: Ph.D., teaching experience, and established record of anatomical science research with ability to attract independent research funding. Equal Opportunity/Affirmative Action Employer. Send application with curricular vitae to: Dr. David Chambers, Associate Dean for Academic Affairs, by June 1, 1993.

ASSISTANT PROFESSORSHIP IN MEDICINE/GASTROENTEROLOGY

The Division of Gastroenterology in the Department of Medicine at the College of Physicians and Surgeons of Columbia University invites applications for a junior faculty position with a predominant research emphasis. M.D.'s who have three or more years of basic science training in cell or developmental physiology/biology related to the GI tract or liver, and who can develop an independently funded research program are encouraged to apply. A minimum of two years clinical training in internal medicine is required; one or more years of clinical training in Gastroenterology or Hepatology is desirable but not essential. Qualified individuals should submit curriculum vitae and a statement describing their research experience and plans to: Michael Field, M.D., Division of Gastroenterology, College of Physicians and Surgeons of Columbia University; 630 West 168th Street, 10-808; New York, NY 10032. Equal Opportunity/Affirmative Action Employer.

USEPA Environmental Research Laboratory—Corvallis, Oregon. TECHNICAL DIRECTOR, Environmental Monitoring and Assessment Program—Surface Water (EMAP). The EMAP monitoring program conducted by the EPA in cooperation with states and other agencies. The Surface Waters component is recruiting an expert in aquatic ecotoxicology to develop a program to estimate the condition of the nation's lake and stream resources.

Candidates must have education and/or experience equivalent to a Ph.D. in physical or biological sciences, engineering, or mathematics plus experience in managing a national research or monitoring program. Demonstrated skills in written and oral communications are essential. U.S. citizenship is required.

For further information and an application package, contact: Pam Taylor, USEPA, ERL—Corvallis, 200 SW 35th Street, Corvallis, OR 97333. All inquiries must be received by March 19, 1993. The USEPA is an Equal Opportunity Employer.

GENE THERAPY CENTER DIRECTOR—UNIVERSITY OF CALIFORNIA, SAN DIEGO SCHOOL OF MEDICINE

The University of California, San Diego is seeking to appoint a Director for a newly established Gene Therapy Center (GTC). This appointment is to be made at the Associate or Full Professor level, with tenure. Salary will be commensurate with experience and based on UC pay scales. The GTC Director is expected to coordinate and facilitate independent extramurally funded gene therapy research with the aim of providing a central organization for the development of new methods of gene transfer, and direct them to the best advantage of the University. The Director of the GTC will be expected to take advantage of the resources that exist in the San Diego community and to develop a coherent plan to achieve the general goals of the GTC. The establishment of GTC has a high priority backing of the University; resources will be available to initiate this program. Qualified candidates should send curriculum vitae, a letter expressing their interest and a brief summary of their view of the future of gene therapy to: Dr. John F. Alkire, Gene Therapy Center Search Committee, 9400 Gilman Drive, La Jolla, CA 92039-0602 by no later than March 31, 1993. UCSD is an Equal Opportunity/Affirmative Action Employer.

ENDOWED CHAIR IN PEDIATRIC PULMONARY MEDICINE

An endowed Chair in Pediatric Pulmonary Medicine at the University of California, San Diego, is available to be filled, immediately. The Chair is expected to be tenured appointment as Professor or Associate Professor, offers a unique opportunity for applicants with interest in the molecular and cellular basis of pediatric pulmonary disease. Early career developmental stage professionals in pediatrics in the Departments of Pediatrics and Medicine provide the possibility of establishing a focused area of excellence in pulmonary disease.

Individuals should submit curriculum vitae by March 26, 1993, to: Roger G. Spragg, M.D., Chair, Pediatric Pulmonary Search Committee, Medical Service (111), VA Medical Center, 3350 La Jolla Village Drive, San Diego, CA 92161. Salary related to rank and step of appointment within UCSD's salary schedule. Affirmative Action Employer.

CHAIR OF PHARMACOLOGY

Northwestern University Medical School

Applications and nominations are invited for the position of Professor and Chairman, Department of Pharmacology. Applicants are sought with qualifications that include international stature in their chosen areas of research, and ability to provide academic leadership at the forefront of the field and related interdisciplinary areas of research and education. Applicants should have demonstrated qualifications in education and administration. To ensure full consideration, applications must be received by March 15, 1993. Northwestern University is an Affirmative Action/Equal Opportunity Employer. Hiring is contingent upon eligibility to work in the United States. Adverse nominations or applications (curriculum vitae, publications, grant support, educational and administrative experience) to: Dr. Patricia G. Spear, Chair, Search Committee, Department of Pharmacology, Northwestern University Medical School, Department of Microbiology-Immunology, W213, 303 East Chicago Avenue, Chicago, IL 60611.
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Research Scientist II/Senior Research Associate

(Position: #64604-29)

This position will assist in the discovery and characterization of therapeutic targets for the development of agents for the treatment of Alzheimer's Disease and age-related dementia's. The major responsibilities of this position will include the development of immunological and oligonucleotide probes and eukaryotic expression systems. Position will be filled at the Research Scientist II or Senior Research Associate level. The level of responsibility to be assigned will depend upon the individual applicant's educational background and experience level.

Research Scientist II: Candidates need a B.S. or four-year college curriculum with a major concentration in Biochemistry, Immunology or Molecular Biology PLUS four years of experience in Biochemistry, Immunology or Molecular Biology; OR a Master's degree in Biochemistry or Immunology PLUS two years of experience indicated above; OR a Ph.D. in Biochemistry or Immunology. Scientific writing assessment required.

Senior Research Associate: Candidates need a B.S. or four-year college curriculum with a major concentration in Biochemistry, Immunology or Molecular Biology PLUS six years of experience in Biochemistry, Immunology or Molecular Biology; OR a Master's degree in Biochemistry or Immunology PLUS four years of experience indicated above; OR a Ph.D. in Biochemistry or Immunology PLUS one year of experience as indicated above. Scientific writing assessment required.

Research Scientist I/Research Scientist II

(Position: #64568-29)

This individual will perform laboratory experiments to support existing and future research and drug discovery/development programs of new agents for the treatment of cardiovascular disease. The principle objective is to maintain a drug discovery and development program for agents to treat heart failure. Position will be filled at the Research Scientist I or Research Scientist II level. The level of responsibility to be assigned will depend upon the individual applicant's educational background and experience level.

Research Scientist I: Candidates need a B.S. or four-year college curriculum with a major concentration in a biological science PLUS two years of experience in a cardiovascular physiology/pharmacology laboratory OR a Master's degree in a biological science. Scientific writing assessment required. Other factors to be considered include experience in in vivo and in vitro hemodynamic monitoring, knowledge of in vivo surgical techniques and experience with computers/software.

Research Scientist II: Candidates need a B.S. or four-year college curriculum with a major concentration in a biological science PLUS four years of experience in cardiovascular physiology/pharmacology OR a Master's degree in physiology or pharmacology PLUS two years of experience in cardiovascular physiology/pharmacology OR a Ph.D. in cardiovascular physiology or pharmacology. Scientific writing assessment required. Other factors to be considered include experience in in vivo and in vitro cardiac and/or vascular procedures, experience in acute and chronic in vivo studies and knowledge of computer software data collection and analysis.

Research Scientist I/Research Scientist II

(Position: #64606-29)

This individual will take part in biochemical studies to support drug discovery programs and characterize the molecular basis of cardiovascular disease. This position will be filled at the Research Scientist I or Research Scientist II level. The level of responsibility to be assigned will depend upon the individual applicant's educational background and experience level.

Research Scientist I: Candidates need a B.S. or four-year college curriculum with a major concentration in the biological sciences PLUS two years of experience in pharmacology OR a Master's degree in biochemical pharmacology. Scientific writing assessment required. Other factors to be considered include experience in radioligand binding techniques and cardiovascular pharmacology.

Research Scientist II: Candidates need a B.S. or four-year college curriculum with a major concentration in the biological sciences PLUS four years of experience in pharmacology OR a Master's degree in biochemical pharmacology PLUS two years of experience in cardiovascular pharmacology OR a Ph.D. in biochemical pharmacology. Scientific writing assessment required. Other factors to be considered include experience in radioligand binding techniques, fluorescent dye techniques and knowledge of computers/software.

At Burroughs Wellcome Co., you will enjoy a compensation and benefits package that is among the best in the pharmaceutical industry, along with the advantages of being part of an innovative pharmaceutical leader. Please send your resume, indicating position number in your cover letter, by March 15, 1993, to: Burroughs Wellcome Co., Recruiting and Staffing, 3030 Cornwallis Road, Research Triangle Park, NC 27709.

For information on other job opportunities with Burroughs Wellcome Co., call our Job Information Line at (919) 248-8347.
Hahnemann University is a private academic health sciences center dedicated to excellence through the provision of higher education, patient care, research and community service. Located in center city Philadelphia, Hahnemann University’s Graduate School offers more than 25 advanced study programs in the basic biomedical sciences and health-related fields. Each program is geared to enhance the student’s opportunity for individual learning and research. Our faculty are outstanding scientists, clinicians and academicians and our laboratory facilities are state-of-the-art.

Tuition scholarships and stipends for Ph.D. or M.D./Ph.D. students are available for qualified applicants.

SELECTED AREAS OF RESEARCH:
Neuroscience, cancer biology, radiation biology, immunology, molecular biology, public health and preventive medicine, cardiovascular biology, clinical research, addiction research, behavioral research, biomechanics, and orthopedic and pediatric physical therapy.

DEGREE PROGRAMS INCLUDE:
Anatomy, Biochemistry, Clinical Psychology, Microbiology, Molecular Biology & Biotechnology, Neuroscience, Experimental Pathology, Pharmacology, Advanced Physical Therapy with specialization in Orthopedics or Pediatrics, Physiology, Radiation Sciences

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SCIENCE MANAGERS
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- Molecular Biology/Genetics (background with bacterial systems preferred)

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ULTIMISSIME NOTIZIE NOTICA DE ULTIMA HORA
GRANTS FOR INTERNATIONAL JOINT RESEARCH IN THE AREAS OF MATERIALS, ENERGY AND GLOBAL ENVIRONMENT

The New Energy and Industrial Technology Development Organization (NEDO), a Japanese governmental implementing agency supervised by the Ministry of International Trade and Industry (MITI) of Japan, has been carrying out an International Joint Research Program since 1988. This program aims to contribute to the enhancement of the international level of industrial technology as well as to the advancement of international exchange by supporting international joint research teams which conduct superior research. In addition to supporting international joint research teams which conduct original and innovative basic research in the materials area, international joint research teams which conduct research in the energy area and the global environment area will be provided with grants from FY 1993. The program in the global environment area will be conducted jointly with the Research Institute of Innovative Technology for the Earth (RITE).

Research grants will be provided to “International Joint Research Teams” which fulfill the following main requirements:
1. Each team, in principle, must be composed of four or more researchers;
2. Each team must consist of researchers of two or more different nationalities;
3. The research organizations where the team members’ major activities take place must be located in two or more countries. Each team must appoint a research coordinator and an accounting coordinator. The accounting coordinator must be responsible for accounting matters and function as the liaison between the team and NEDO. The accounting coordinator’s organization and research site must be located in Japan, and he/she must be able to communicate with NEDO in Japanese about all accounting matters. The research coordinator can also hold the post of accounting coordinator.

FY 1993’s program is show below.

<table>
<thead>
<tr>
<th>Research Area</th>
<th>Field of Research</th>
<th>Amount of Each Grant</th>
<th>Number of Themes to be Adopted</th>
<th>Recipients of Applications</th>
</tr>
</thead>
</table>
| Materials              | 1) Basic research concerning the investigation and elucidation of materials.  
                         | 2) Basic research concerning the practical use of materials                     | about 30,000,000 yen in FY 1993 | 5 themes                   | NEDO (Note a.)             |
| Energy                 | Practical research on power generation technologies using oil-alternative energy, 
                         | in FY 1993                     | 2 themes                       | RITE (Note b.)             |
|                         | on load leveling technologies and on global environment conservation related to 
                         |                                    |                                |                            |
| Global Environment     | 1) Basic research on conservation and improvement of the global environment     | about 24,000,000 yen in FY 1993 | 2 themes                       |                            |
|                         | 2) Practical research concerning the production, generation and use of oil-alternative energy which contributes to the conservation and improvement of the global environment. | about 30,000,000 yen in FY 1993 | 2 themes                       |                            |

(Recipients of Applications)

Note a. Materials and energy areas
International Joint Research Division,
Industrial Technology Department,
New Energy and Industrial Technology Development Organization (NEDO),
Address: 21F, Sunshine Bldg., 3-1-1 Higashi-ikebukuro, Toshima-ku,
Tokyo, 170 Japan
Phone No.: 03-3987-9357
Telefax No.: 03-3981-1536

Note b: Global environment area
Research Proposals Reception Section,
Research Planning Department,
Research Institute of Innovative Technology for the Earth (RITE),
Address: 4F, Shin-Kyoto Center Bldg., Karasumanishi-iru, Shikoujiodori, Shimogyo-ku, Kyoto 600 Japan
Phone No.: 075-361-3611
Telefax No.: 075-361-5607

Please be informed that the amount of each grant and the number of themes to be adopted may be changed, and that this grant program is subject to government budget approval. A research team may submit an application a maximum of two times for a grant on the same subject.

The application period is from February 25, 1993 to May 25, 1993. No application will be accepted later than May 25th.

ATTENTION: If there are any discrepancies in a submitted application, for example, it does not follow the Application Guidebook or the research contents are different from the proposed research area, it will be considered invalid.
The Department of Biology at Northern Michigan University invites applications for a tenure-earning position which will begin in August 1993. The candidate should have a Ph.D. in physiology or related field, research experience, and undergraduate teaching experience. Duties include undergraduate and master’s-level supervision, teaching, research, and graduate student advising in human anatomy, and ecology. Applications will be received until the position is filled, screening for interviews will begin on March 15, 1993. Send letter of application, résumé, and three recommendations to: Dr. Thomas G. Froiland, Head, Department of Biology, Northern Michigan University, Marquette, MI 49855. The application deadline is 3-31-93. Northern Michigan University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

RESEARCH ASSISTANT PROFESSOR, TENURE-TRACK, FUNDED POSITION available July 1, 1993, to study Alzheimer's disease, other neurodegenerative diseases and experimental models. Experience in protein purification and sequencing and/or molecular genetics desirable. Research activity can be conducted independently or as part of a large, well-established group. Teaching responsibilities optional. Send résumé and three references to: Dr. Pierluigi Gambetti, M.D., Division of Neuropathology, Institute of Pathology, Case Western Reserve University, 10900 Euclid Road, Cleveland, OH 44106. CWRU is an Equal Opportunity/Affirmative Action Employer.

FOCUS AND OBJECTIVE: The research program at Duke University focuses on the development of innovative research tools and techniques for the study of Alzheimer’s disease (AD) and other neurodegenerative disorders. The program is directed by Professor Michael B. V. Vassar and includes a multidisciplinary team of researchers from various departments across the university.

POSITION: FACULTY POSITION, University of California, San Francisco, San Francisco, CA.

The University of California, San Francisco (UCSF), invites applications for a faculty position in research in the area of human genetics. The position is open to applicants at the level of Assistant Professor (tenure-track) or Associate/Full Professor (tenure). The principal investigator will have a history of research in human genetics and a commitment to an independent research program. The position is expected to be filled by July 1, 1994. The position is located in the Department of Human Genetics, School of Medicine, and is part of the University of California, San Francisco, medical center.

FOCUS AND OBJECTIVE: The research program at UCSF focuses on the study of genetic and molecular mechanisms underlying human diseases, with a particular emphasis on neurodegenerative disorders such as Alzheimer’s disease. The program is directed by Professor Michael B. V. Vassar and includes a multidisciplinary team of researchers from various departments across the university.

POSITION: FACULTY POSITION, University of California, San Francisco, San Francisco, CA.

The University of California, San Francisco (UCSF), invites applications for a faculty position in research in the area of human genetics. The position is open to applicants at the level of Assistant Professor (tenure-track) or Associate/Full Professor (tenure). The principal investigator will have a history of research in human genetics and a commitment to an independent research program. The position is expected to be filled by July 1, 1994. The position is located in the Department of Human Genetics, School of Medicine, and is part of the University of California, San Francisco, medical center.

FOCUS AND OBJECTIVE: The research program at UCSF focuses on the study of genetic and molecular mechanisms underlying human diseases, with a particular emphasis on neurodegenerative disorders such as Alzheimer’s disease. The program is directed by Professor Michael B. V. Vassar and includes a multidisciplinary team of researchers from various departments across the university.

POSITION: FACULTY POSITION, University of California, San Francisco, San Francisco, CA.

The University of California, San Francisco (UCSF), invites applications for a faculty position in research in the area of human genetics. The position is open to applicants at the level of Assistant Professor (tenure-track) or Associate/Full Professor (tenure). The principal investigator will have a history of research in human genetics and a commitment to an independent research program. The position is expected to be filled by July 1, 1994. The position is located in the Department of Human Genetics, School of Medicine, and is part of the University of California, San Francisco, medical center.

FOCUS AND OBJECTIVE: The research program at UCSF focuses on the study of genetic and molecular mechanisms underlying human diseases, with a particular emphasis on neurodegenerative disorders such as Alzheimer’s disease. The program is directed by Professor Michael B. V. Vassar and includes a multidisciplinary team of researchers from various departments across the university.
Two faculty positions in a Program on HIV pathogenesis
University of Toronto,
Faculty of Medicine

The University of Toronto wishes to recruit an established scientist with an international reputation in molecular virology or cellular immunology as applied to the study of the pathogenesis of diseases caused by Human Immunodeficiency Virus. The successful candidate will be offered a position at the level of Associate Professor or Professor in the Department of Medicine with cross-appointment to the appropriate basic medical science department. Another scientist will be appointed at the Assistant Professor level. Compensation will be commensurate with qualification and experience. The appointment will be made as soon as possible after July 1, 1993.

The University and the Research Institute of its affiliated teaching hospitals offer an outstanding scientific environment with particular strength in immunology, molecular genetics, signalling and transcription. In addition there are excellent opportunities to access clinical material and to collaborate with clinical investigators interested in HIV pathogenesis. The successful candidate will be strongly encouraged to establish collaborative links with local basic and clinical investigators.

Interested applicants should submit a covering letter outlining current research interests, a curriculum vitae, and the names and addresses of three referees to: Dr. J. Brunton, Department of Microbiology, The Toronto Hospital, N113-124, 200 Elizabeth Street, Toronto, Ontario, M5G 2C4, Canada. The closing date for applications is May 1, 1993.

In accordance with its employment equity policy, the University of Toronto encourages applications from qualified women and men, 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.

COMPUTATIONAL CHEMISTS

Agouron Pharmaceuticals, Inc., a recognized pioneer and leader in the field of rational drug design, is seeking one or more MS/BS level scientists to join its staff in San Diego. Successful candidates will have responsibilities in one or both of the following areas:
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3565 General Atomics Court
San Diego, California 92121

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Research Scientist I
(POS. #64377-29)

This individual will perform in vivo and in vitro studies to gather information for the discovery and development of potential hypolipidemic/antiatherosclerotic agents. Candidates need a B.S. or four-year college curriculum with a major concentration in biochemistry, pharmacology, physiology or related field PLUS two years of experience in a biochemical, pharmacological or related field OR a Master's degree in biochemistry, pharmacology, physiology or related field. Scientific writing assessment required. Other factors to be considered include experience in an in vivo and in vitro laboratory setting working with radioactive materials and knowledge of lipid and/or lipoprotein metabolism and biochemical techniques.

Research Scientist I
(POS. #664400-29)

This individual will perform in vivo and in vitro studies towards the discovery and development of compounds which favorably affect lipoprotein and cholesterol metabolism. Candidates need a B.S. or four-year college curriculum with a major concentration in biochemistry, pharmacology or related field PLUS two years of experience in biochemical, pharmacological or related field OR a Master's degree in biochemistry, pharmacology or related field. Scientific writing assessment required. Other factors to be considered include experience in an in vivo and in vitro laboratory setting working with radioactive materials and knowledge of lipid and/or lipoprotein metabolism.

Research Scientist I
(POS. #661429-29)

This individual will conduct in vivo and in vitro experimental studies in cardiovascular drug discovery. Specifically, these preclinical studies are intended to identify and characterize compounds that are antagonists of endothelin receptors or inhibitors of endothelin synthesis. Candidates need a B.S. or four-year college curriculum with a major concentration in a biological or biochemical science PLUS two years of experience in receptor research OR a Master's degree in a biological or biochemical science with an emphasis on receptor research. Scientific writing assessment required.

At Burroughs Wellcome Co., you will enjoy a compensation and benefits package that is among the best in the pharmaceutical industry, along with the advantages of being part of an innovative pharmaceutical leader. Please send your resume, indicating position number in your cover letter, by March 15, 1993, to: Burroughs Wellcome Co., Recruiting and Staffing, 3830 Cornwallis Road, Research Triangle Park, NC 27709.

For information on other job opportunities with Burroughs Wellcome Co., call our Job Information Line at (919) 248-8347.

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POSTDOCTORAL FELLOWSHIP IN BASIC SCIENCE FOR THE JOURNEY FELLOWSHIP IN Basic Science Research. It honors the memory of Dr. Leon Journey, a distinguished cell biologist and electron microscopist who served on the institution's staff for 10 years. The fellowship is open to a junior investigator with an M.D. or Ph.D. degree who seeks training experience in one of the specialty areas of basic biomedical research available, which include: biochemistry, genetics, immunology, molecular pharmacology, pharmacodynamics, tumor cell biology and virology.

Journey fellowship awards are made for up to three years and are based on merit, recommendations and promise of a productive career in biomedical research. Stipends are highly competitive.

Application deadline: 1 May 1993
Award notification: 15 June 1993
Beginning date: 1 July 1993 or after
Send inquiries to:
Allan Grunoff, Ph.D.
Director's Office
St. Jude Children's Research Hospital
P.O. Box 318
Memphis, TN 38101-0318 USA

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Journey fellowship awards are made for up to three years and are based on merit, recommendations and promise of a productive career in biomedical research. Stipends are highly competitive.

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Allan Grunoff, Ph.D.
Director's Office
St. Jude Children's Research Hospital
P.O. Box 318
Memphis, TN 38101-0318 USA

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PRINCIPAL RESEARCH SCIENTIST

CELL & MOLECULAR BIOLOGY

CYTOGEN Corporation is an established biopharmaceutical company with a strong commitment to R&D. We’ve developed key patented systems that optimize the use of monoclonal antibodies as delivery systems for cancer diagnosis, imaging and radiotherapy. Now, having recently received FDA approval for our principal product, there has never been a better, more exciting time to join the CYTOGEN organization.

This is a supervisory position in the Discovery Research Laboratory involving the identification and characterization of monoclonal antibodies and novel cancer-targeting molecules. A background in Cell Biology and Molecular Biology with an emphasis on monoclonal antibodies or other receptor-binding proteins is desired. We prefer candidates with experience in characterizing binding, internalization, pharmacokinetics, biological effects, both in culture and in animal models. Experience with basic Molecular Biology techniques, such as cloning, expression in prokaryotes, sequencing, and library screening is highly desirable. A demonstrated ability to think creatively and critically, excellent oral and written skills, and supervisory experience are required.

CYTOGEN offers excellent salaries and a comprehensive benefits package. For consideration, please send 2 copies of your resume to: Employment Manager, CYTOGEN Corporation, 600 College Road East, CN5308, Princeton, NJ 08540-5308. An equal opportunity employer.

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COLLEGE OF NATURAL & AGRICULTURAL SCIENCES

University of California, Riverside

The University of California, Riverside, invites applications and nominations for the position of Dean of the College of Natural and Agricultural Sciences. The faculty of the College have the threefold responsibilities of teaching, research, and service.

The College of Natural and Agricultural Sciences is one of the largest and most diverse units at UC Riverside, with approximately 2,500 graduate and undergraduate students and an annual research budget of approximately $20 million. The College is composed of six departments: Aeronautics and Astronautics, Biological Sciences, Chemistry, Earth Sciences, Environmental Science, Policy, and Management, and Physical Sciences. The College also has a number of interdisciplinary programs, including Environmental Studies and Policy, Global Environmental Change, and Science Education.

The University of California, Riverside, is a comprehensive public research university located in the southern California Inland Empire. It is the third-oldest campus of the University of California system and has a growing research and academic mission. The university is focused on providing opportunities for student success, excellence in teaching and learning, and contributions to the local and global communities.

The University of California, Riverside, is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities, and women.

Graduate Studies in Physiology

The Department of Physiology at the University of Alberta offers graduate programs leading to the degrees of M.Sc., Ph.D., and M.D.-Ph.D., as well as opportunities for postdoctoral training.

The University of Alberta is a major urban university located in Edmonton, a modern cosmopolitan city of 600,000 people. The environment offers varied cultural activities and easy access to the Canadian Rockies and some of the finest summer and winter recreational opportunities in the world.

Typical stipends are $12,500 to $14,500 for graduate and $22,000 to $35,000 for postdoctoral training. Some external awards include a research and travel allowance of $1,000 per year for graduate and $2,000 for postdoctoral training.

Modern facilities are available for research in a number of areas and with a number of faculty.

A wide range of research interests is represented including: cellular and molecular endocrinology, cellular physiology, transport physiology, perinatal physiology, neurophysiology and biophysics.

Interested candidates are invited to apply to:

Graduate Program Director, Department of Physiology
University of Alberta
Edmonton, Alberta, Canada T6G 2H7

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities, and women.
POSTDOCTORAL RESEARCH FELLOWS

Innovative research at Sandoz has been enhancing medicine around the world for over a century. Pioneering drugs have extended and improved the quality of life for countless individuals and revolutionized basic scientific concepts within the transplantation and mental health fields. Opportunities now exist for Postdoctoral Fellows within our Drug Safety Department, which is located in a new, state-of-the-art research facility. Postdoctoral appointments are for one year and are renewable for a second year by mutual agreement. Sandoz Postdoctoral Fellows receive a generous salary and are eligible for a full range of benefits.

MOLECULAR BIOLOGIST OR BIOCHEMIST TO STUDY DRUG METABOLISM

Postdoctoral Fellow to conduct basic research on the fate of drugs and on the effect of drugs on the body's ability to eliminate drugs. This research will focus on the uses of molecular biology approaches to study drug metabolism. A Ph.D. in a biological or biochemical discipline with a strong knowledge of molecular biology techniques, including PCR, is required, and a background in mammalian cell lines, enzymology and protein purification is desirable. (Position #369).

MASS SPECTROMETRIST FOR BIOANALYTICAL CHEMISTRY

Postdoctoral Fellow to apply quantitative bioanalytical mass spectrometry in an industrial environment. A Ph.D. with mass spectrometry hardware and software skills is required to use/implement modern liquid interfaces (thermospray and electrospray) and gas interfaces (splitless/on-column capillary GC) in a variety of ionization (TSP, ESP/APCI, EI, CI) and mass filter modes (MS and MS/MS) toward solving bioanalytical problems for trace and ultra-trace quantitative analysis. The incumbent will operate within a network of three mass spectrometers using the RSX, UNIX and MS-DOS operating systems with magnetic as well as optical data storage devices with the aim of automating data reduction and report generation to maximize productivity. (Position #304).

For consideration, please specify the number of the position you are responding to and forward your curriculum vitae and the names and addresses of three references to:

Sandoz Pharmaceuticals Corporation
SRI Human Resources Department
Building 403/1
East Hanover, New Jersey 07936
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BIOMOLECULAR RESEARCH SCIENTIST I

Since 1987, Sphing Pharmaceuticals has been at the forefront in the discovery and development of pharmaceuticals utilizing lipid second messengers to regulate cell growth and control inflammation. The rapid expansion of our young, well-capitalized research group has created an opening for a Biomolecular Research Scientist I.

Requirements include a Ph.D. in Biochemistry or related field or equivalent, with 1 to 3 years of postdoctoral experience in research related to enzymes of signal transduction, such as protein kinase C and/or phospholipases.

Sphing offers competitive salaries and excellent benefits in a high-energy environment, where personal initiative and contributions are recognized and rewarded. In addition, our location in the Research Triangle Park area of North Carolina offers a superb quality of life with all the cultural, recreational, and educational amenities that one could ask for. Please forward your resume, including salary history and names of three references, to: Human Resources, Sphing Pharmaceuticals Corporation, Position #224, P.O. Box 52330, Durham, NC 27717. (No Phone Calls or Agency Referrals, Please.) An Equal Opportunity Employer.

Sphing Pharmaceuticals Corporation

UPPSALA UNIVERSITET

Applications are invited for the CHAIRS OF BIOCHEMISTRY, especially protein chemistry
(Ref nr 453/93)

Applications should be made to the "Vice-Chancellor's Office" and be mailed so as to arrive at Uppsala University, Box 256, S-751 05, Uppsala Sweden, no later than April 15, 1993. The position will be vacant from July 1, 1994. For further information, please contact Professor Paul Roos, tel +46(0)18 17 43 20, Department of Biochemistry, Box 576, S-751 23 Uppsala, Sweden. Telefax +46(0)18 55 21 39.

BIOMOLECULAR RESEARCH SCIENTIST I

(Ref nr 454/93)

Applications should be made to "The Government" and be mailed so as to arrive at Uppsala University, Box 256, S-751 05 Uppsala, Sweden, no later than April 15, 1993. The position will be vacant from July 1, 1995. For further information, please contact Professor Stellan Hjertén, tel +46(0)18 17 44 61, Department of Biochemistry, Box 576, S-751 23 Uppsala, Sweden. Telefax +46(0)18 55 21 39.

The applicant is required to submit, in four copies, a curriculum vitae, including a short account of his/her scientific and teaching experience and a list of scientific publications, as well as copies of degrees obtained and any other documents of relevance, all to be signed and duly witnessed. It should be clear from the written account which scientific results and other merits are most highly rated by the applicant and which should be given special weight by the appointments board. The applicant should also indicate and forward in four copies, those ten publications which he/she considers most adequately represent his/her scientific achievements. Other publications taken up in the list of publications are to be provided in one copy.

Emoluments are in accordance with the scale for university departmental heads (chefi/direktör), currently ranging from 250 000 SEK to 400 000 SEK. The point of entry will be decided by the appropriate authority and depends on experience.
MICROBIAL GENETICS

The National Renewable Energy Laboratory (NREL) in Golden, Colorado, is the nation's primary federal laboratory for research and development of solar and renewable energy technologies.

The Applied Biological Sciences Branch of the National Renewable Energy Laboratory (NREL), in Golden, Colorado has several key openings for BMS related researchers skilled in classical and modern genetic techniques. You will be joining a new, dynamic team of scientists working to metabolically engineer a variety of fermentative microorganisms to overproduce liquid fuels (ethanol in particular) and other value-added chemicals. A strong background in microbiology, biochemistry, and molecular biology along with at least two years of relevant, hands-on, laboratory experience is required of the successful candidates. Familiarity with DNA isolation and purification, restriction analysis, plasmid construction, heterologous gene expression, mutagenesis (classical and site-directed), and protein analysis would be useful attributes.

NREL, formerly Solar Energy Research Institute (SERI), has been appointed national laboratory status and is entering a new era of energy research. This new devoted role has created an unparalleled environment of support for our work and our people. Our innovative research for cleaner, safer, and renewable energy sources is carried out in state-of-the-art laboratories.

We offer an excellent compensation and benefits package. For immediate consideration, please send resume to: Human Resources Office, E-0228-1675, NREL, 1417 Cole Boulevard, Golden, CO 80401.

For information regarding current job opportunities at NREL, contact JOB LINE (303) 628-4650
Women and minorities are encouraged to apply.
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POSTDOCTORAL SCIENTISTS
STRUCTURE BASED DRUG DESIGN

Agouron Pharmaceuticals, Inc., a recognized leader in structure-based drug design, is seeking to fill several postdoctoral positions with scientists interested in research on protein-ligand interactions. Candidates should be trained in one of the three areas described below and be willing to work as part of an interdisciplinary team exploring new methods for quantitating the energetics of protein-small molecule association.

Macromolecular crystallography — Applicants should be familiar with techniques of protein crystallization, x-ray diffraction data collection, interpretation of electron density maps, and macromolecular crystallographic refinement. Code DM1.

Thermodynamics of protein-ligand interactions — Candidates should have experience with protein purification and the use of microcalorimetry to characterize the thermodynamics of protein-protein or protein-ligand association. Code DM2.

Computational chemistry — A background in the development of computer programs for modeling biomolecular systems is required. Expertise in some of the following areas is essential: molecular recognition, statistical mechanics, development of potential functions, molecular dynamics or Monte Carlo simulations. Code DM3.

We offer a competitive compensation and benefits package in addition to an intellectually stimulating environment in a superb location. Please send a detailed résumé including position code to:

Human Resources
Agouron
Pharmaceuticals, Inc.
3565 General Atomics Court, San Diego, California 92121

EXECUTIVE OFFICER
THE AMERICAN SOCIETY FOR CLINICAL NUTRITION, INC

The American Society for Clinical Nutrition invites applications for the position of Executive Officer. The Society is a professional membership organization that constitutes the Clinical Division of the American Institute of Nutrition. The Society’s headquarters are located at the Federation of American Societies for Experimental Biology campus in Bethesda, Maryland. The Society is separately incorporated and manages its own administrative and financial affairs and publishes its journal, The American Journal of Clinical Nutrition, which has an international circulation.

The Executive Officer has administrative and financial responsibility for the Society; works with the Council, which is the governing body of the Society, to set policy and program priorities; provides strong and effective advocacy for clinical nutrition and related research priorities of the Society with the Congress, Federal Agencies (i.e., DHHS, USDA, EPA), with elected officials and the public; develops liaisons with other professional societies; provides support to the membership; is responsible for the management of the Annual Meeting, Postgraduate Course, and other meetings; and oversees the production of Society publications.

The ideal candidate will have strong communication skills and a substantial professional background in a health or science field, significant experience in scientific and government relations, demonstrated success in building liaisons and coalitions, and developing innovative approaches to public relations efforts.

Additional information will be provided on request. Candidates for this position must submit a curriculum vitae and a covering letter outlining qualifications and evidence of activities participated in that may be related to this position. Materials must be received no later than May 31, 1993 and sent to:

Chair, Search Committee for Executive Officer of The American Society for Clinical Nutrition
c/o FASEB Office of Human Resources
9650 Rockville Pike
Bethesda, Maryland 20814-3998

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THE RESEARCH CENTRE OF AN IMPORTANT FRENCH PHARMACEUTICAL COMPANY BASED IN THE PARIS RÉGION IS LOOKING FOR A PHD pharmacologist

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To be considered for this position submit a CV, a photo and a handwritten letter to MEDIA-SYSTEM, 6 IMPASSE DES DEUX COUSINS, 75849 PARIS CEDEX 17, FRANCE, quoting ref. 40345 on the envelope.
POSITIONS OPEN

PLANT ECOPHYSIOLOGIST
Boyce Thompson Institute for Plant Research is seeking a PLANT ECOPHYSIOLOGIST for a non-tenure-track RESEARCH SCIENTIST position at the assistant, associate, or full level. The incumbent will be a member of the Environmental Biology Program, a major interdisciplinary team studying the effects of environmental stresses on plants and plant systems. A funded study of carbon dynamics in forest tree species as affected by ozone will provide partial support initially. The successful candidate will be expected to establish or transfer her/his own independent, but related, research project.

Boyce Thompson Institute is a private, not-for-profit research institute located on the campus of Cornell University in Ithaca, New York.

Qualifications: A Ph.D. in the plant sciences is required. Postdoctoral experience is desirable. Salary and start-up package are negotiable and commensurate with experience.

The position is available 1 July 1993. Screening of applications will begin by 31 March 1993, but the search will continue until the position is filled. Applicants should send curriculum vitae, statement of research goals, and three letters of reference to: J. A. Laurence, Program Director, Environmental Biology Program, Boyce Thompson Institute for Plant Research, Tower Road, Ithaca, NY 14853-1801.

Boyce Thompson Institute for Plant Research is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

STAFF SCIENTIST

The Oversight Office in the Office of Inspector General, National Science Foundation (NSF), is seeking qualified applicants for two Staff Scientist positions at the GS-11 through 15 or comparable excepted service, AD II through IV level (salary range $33,623 to $88,255).

Staff Scientists are primarily responsible for investigating allegations of misconduct in science and engineering. Qualified applicants should possess a Ph.D. or equivalent professional experience in Engineering or Social, Biological, Physical, Mathematical, or Computer Science as well as research experience in a particular field and a broad understanding of the practice of scientific and engineering research across disciplines. The position requires the ability to write effective analytical and technical reports and to speak effectively.

Contact: Rhonda Horton at (302) 357-9529 for a copy of the appropriate vacancy announcement, which includes instructions on how to apply. As a federal agency, NSF is an Equal Opportunity Employer. Women, minorities, and persons with disabilities are encouraged to apply. All applications and supporting documents must be received by March 16, 1993.

MEETINGS

BIODEGRADATION: ITS ROLE IN REDUCING TOXICITY AND EXPOSURE TO ENVIRONMENTAL CONTAMINANTS
will be held April 26-28, 1993, at the National Institute of Environmental Health Sciences in Research Triangle Park, North Carolina, USA. This conference brings together a diverse group of scientists in a multidisciplinary framework to examine the current state of knowledge, the research needs in biodegradation and treatment, and the role of these processes in reducing the toxicological impacts of environmental contaminants. For further information contact: Lily Young, Abiotech Center, Rutgers University, P.O. Box 231, New Brunswick, NJ 08903, USA. (FAX: 908-932-6535).

ANNOUNCEMENTS

M. J. BRODY FELLOWSHIP IN BASIC CARDIOVASCULAR RESEARCH

This fellowship provides $7,500 per year to enhance existing base support of fellows in basic cardiovascular pharmacology and physiology. The intent is to bring highly promising investigators from the United States and abroad to the University of Iowa for additional research training. Eligible individuals must be in the developmental stage of their careers and have attained a doctoral degree. A proposal is required, details about which can be obtained from the address below.

Proposals will be accepted at any time, but should be received before April 1, 1993, for starting on or after July 1, 1993. The University of Iowa is an Affirmative Action/Equal Opportunity Employer.

G. F. Gebhart, 2-572 Bowen Science Building, Department of Pharmacology, The University of Iowa College of Medicine, Iowa City, IA 52242-1109.

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University of Utah, Building 533, Room 6160
Salt Lake City, UT 84112

Telephone: 801-585-5606, FAX: 801-581-7796

MARKETPLACE

CATALYTIC ANTIBODIES AND ANTIBODY ENGINEERING

Satellite Meeting, sponsored by the Russian Academy of Sciences, University of Nebraska Medical Center and IGEN Inc., in conjunction with the International Conference on Biocatalysis, Moscow, Russia, June 6-11, 1993.

Topics covered by this Symposium include: Catalytic antibodies, catalytic antibody transition, catalytic antibody analogs, charged analogs and antigen ground states; naturally occurring catalytic antibodies; potential therapeutic uses and pathogenic role of catalytic antibodies; mechanism analysis and comparison of catalytic antibodies and enzymes; structure of antibody genes and antigen-antibody complex; selection of antibodies from phage display libraries; production of hybrid antibodies and CDR grafting. The meeting will be held during a scenic 6-day boat cruise on the Volga River.

Abstract deadline: February 1, 1993; For further information contact: Dr. Sudhir Paul, FAX: (402) 559-5592; University of Nebraska Medical Center, Department of Anesthesiology, 600 South 42nd Street, Omaha, NE 68198-4485.

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