And responded with New Design Nalgene Disposable Filterware. You talked about improving your favorite disposable filterware. Nalge listened. And responded with a technically-advanced line of disposable filterware designed to make your work faster and more efficient than ever before.

You asked for convenience. We listened. And gave you new easy-to-use two-piece units. Plus receivers designed for dispensing and storage with leakproof closures that are easy to put on and remove.

You asked for versatility. We listened. And offered you extra capacity with 150-, 250-, 500-, and 1000-ml sizes. Plus graduations on receivers and uppers for easy measurement, because you asked for it.

You asked for easy identification. We listened. So now, Nalgene Filter Units are color-coded by membrane material—and the pore size and membrane material are marked right on the collars.

You asked for speed. We listened. And increased the effective filtration area by more than 25% for faster flow rates.

But we didn't change what we couldn't improve. We didn't change the membranes or plastics you've always depended on. You get the same uncompromising standards you expect from Nalge, because all materials are carefully tested for cytotoxicity, and all units are guaranteed sterile. So you won't introduce any variables whatsoever into your work.

Nalge Filterware . . . the name you've trusted for 20 years.


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Nalge Company
Nalge Brand Products
The ability to listen. The technology to respond.
Personnel Placement

SCIENCE publishes each Friday, except the last Friday of the year. Advertising is accepted only in writing; no alterations. Ad rate is $4.00 per line, minimum two weeks after date of issue in which ad appears. Also, personal ads will be accepted only if the under- standing that the advertiser does not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, or handicap. Science reserves the right, in its discretion, to decline to publish any personal ad. For display advertising, please contact Scherago Associates.

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SCIENCE CLASSIFIED ADVERTISING
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Send copy for all Positions Wanted ads and Line Classified ads less than 1/6 page in size (38 lines to
SCIENCE Classified Advertising 1333 H Street, NW, Room 440 Washington, D.C. 20005 Telephone: 202-326-8555

Send copy for Fractional Display ads, 1/6 page and larger, and Marketplace ads to:
Scherago Associates, Inc. 1516 Broadway New York, NY 10036 Telephone: 212-730-1050

Blind ad replies should be addressed as follows:
Box (give number) SCIENCE 1333 H Street, NW Washington, DC 20005

SCIENCE

Published by the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005

Science, a weekly journal, is published weekly except for the last Friday of the year. Science is available in microform and on magnetic tape. Subscription rates: $79.00 per year; $59.50 to members of the AAAS; $4.00 per copy. Science and other AAAS publications are available from the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005. Information about science is available from the Science Information Center, AAAS, 1333 H Street, NW, Washington, DC 20005.

Sciences, a monthly journal, is published monthly except for the last Friday of the year. Sciences is available in microform and on magnetic tape. Subscription rates: $149.00 per year; $129.50 to members of the AAAS; $4.00 per copy. Sciences and other AAAS publications are available from the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005. Information about science is available from the Science Information Center, AAAS, 1333 H Street, NW, Washington, DC 20005.

Seminars, a quarterly journal, is published quarterly. Seminars is available in microform and on magnetic tape. Subscription rates: $79.00 per year; $59.50 to members of the AAAS; $4.00 per copy. Seminars and other AAAS publications are available from the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005. Information about science is available from the Science Information Center, AAAS, 1333 H Street, NW, Washington, DC 20005.

Science and Sciences are available for subscription through the Journal Subscription Service, AAAS, 1333 H Street, NW, Washington, DC 20005. Information about science is available from the Science Information Center, AAAS, 1333 H Street, NW, Washington, DC 20005.

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The Department of Biochemistry, Duke University Medical Center, invites applications for the position of ASSOCIATE PROFESSOR (tenure-track). The person will be expected to establish a strong independent research program and to teach both medical and graduate students. Applicants must hold a Ph.D. degree in biochemistry and be prepared to teach a general course in biochemistry to junior and senior undergraduate students. Faculty members are expected to maintain active research programs which involve undergraduate and graduate students. Closing date is 15 May 1989. Applicants should submit their curriculum vitae, graduate academic transcript and a statement of teaching and research goals, and arrange to have three letters of recommendation sent to: Dr. R. L. Hill, Duke University Medical Center, Durham, NC 27710. Duke University is an Equal Opportunity/Affirmative Action Employer. Closing date for receipt of applications is 15 May 1989.

The Department of Biochemistry, Duke University Medical Center, invites applications for the position of ASSOCIATE PROFESSOR (tenure-track). The person will be expected to establish a strong independent research program and to teach both medical and graduate students. Applicants must hold a Ph.D. degree in biochemistry and be prepared to teach a general course in biochemistry to junior and senior undergraduate students. Faculty members are expected to maintain active research programs which involve undergraduate and graduate students. Closing date is 15 May 1989. Applicants should submit their curriculum vitae, graduate academic transcript and a statement of teaching and research goals, and arrange to have three letters of recommendation sent to: Dr. R. L. Hill, Duke University Medical Center, Durham, NC 27710. Duke University is an Equal Opportunity/Affirmative Action Employer. Closing date for receipt of applications is 15 May 1989.

The University of California, San Diego (UCSD), Department of Medicine is recruiting for an ASSISTANT PROFESSOR (tenure track) position. Applicants with established or demonstrated ability to work effectively with students. The successful candidate will be expected to establish a strong independent research program and teach undergraduate and graduate courses in area of expertise. Involvement in undergraduate research program will be expected. Experience in molecular biology, genetics, or biochemistry is desirable. Minimum qualifications include a Ph.D. in biological sciences with strong concentration in molecular biology. Send application to: Dr. L. Victor, Department of Biochemistry, University of California, San Diego, CA 92030. Closing date is 15 May 1989.
CHAIR, DEPARTMENT OF PEDIATRICS

Dr. Nicholas M. Nelson, the founding Chairman of the Department of Pediatrics at The Pennsylvania State University College of Medicine, The Milton S. Hershey Medical Center, has retired from the chair, and a Search Committee has been established to identify his successor. The only academic referral center between Pittsburgh and Philadelphia, the Hershey Medical Center is presently establishing a Children's Hospital within the University Hospital to enhance pediatric services for a general population of 4.2 million people in Pennsylvania's fastest growing region. The Department of Pediatrics annual outpatient visits exceed 20,000; annual hospital admissions are 1200. Of an additional 390 admissions to Newborn Intensive Care, approximately half are referrals from outside hospitals. Pediatric clinical services and research are currently supported by nearly one million dollars annually from private fund raising activities, in addition to grants and contracts.

A seven-floor, 150-bed addition to the University Hospital, now under construction, will incorporate the facilities of the Elizabethtown Hospital and Rehabilitation Center, a center for the management of chronic disabling conditions of children and young adults. The new facility will also include a new 30-bed Newborn Intensive Care Unit, a 12-bed Pediatric Intensive Care Unit, an expanded inpatient child psychiatry unit, and two new outpatient units.

The new Chairperson will be expected to build on these strengths. We are seeking a person with the vision and leadership abilities to enhance the department's clinical capabilities, promote and expand faculty research, and continue the department's distinguished record of undergraduate and graduate education.

Submit applications or nominations by April 30, 1989 to:
Julien F. Bliehuchy, M.D., D.Phil.,
Chairman, Search Committee for Chair of Pediatrics
THE PENNSYLVANIA STATE UNIVERSITY
COLLEGE OF MEDICINE
THE MILTON S. HERSEY MEDICAL CENTER
P.O. Box 859, Drawer AA-7, Hershey, PA 17033
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ASSOCIATE EDITOR

We're looking for a PhD molecular biologist with physiological orientation to join Science as an editor. The successful applicant will be able to demonstrate a broad range of interests and some experience with biochemical approaches to medical problems. Requirements include at least two or three years of post-doctoral experience and publications in the refereed literature. Science editors have varied responsibilities in manuscript selection ranging from editing for clarity to soliciting papers. Previous editorial experience is not required. This is a full-time position in our Washington offices.

Please send resume and list of publications with cover letter and salary requirements to:

Mr. Gregory Stokes
AAAS
1333 H Street, NW
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EOE

Radiopharmaceutical Development Program

The University of Tennessee Medical Center, a 600 bed Level I Trauma Center, is seeking an Assistant Chemist for the Nuclear Medicine section, Department of Radiology.

Requires a synthetic organic chemist to prepare and analyze radiopharmaceuticals. A synthetic organic chemist with a Masters' degree or equivalent experience is required. The candidate should possess a strong organic chemistry background, experience in modern analytical techniques and strong communicative and interactive skills. The candidate will be responsible for performing routine radiopharmaceutical preparations and actively interacting with staff technologists to assure pharmaceutical purity of the preparations. Experience with positron emitters encouraged but not necessary. This position will perform daily organic synthesis of PET radiopharmaceuticals.

The University of Tennessee Medical Center is located in beautiful East Tennessee at the foothills of the Great Smokey Mountains. Affording metropolitan conveniences coupled with rural charm.

Apply to: Mark Goodman, Ph.D.
Director of Radiopharmaceutical Development
THE UNIVERSITY OF TENNESSEE
Medical Center at Knoxville
1924 ALCOA HIGHWAY
KNOXVILLE, TENNESSEE 37920
(615) 544-9520
EOEO 

AN AFFIRMATIVE ACTION/TITLE VI/SECTION 504 EMPLOYER

SENIOR SCIENTIST
Cardiovascular Pharmacology/Physiology

Norwich Eaton Pharmaceuticals, Inc., a Procter & Gamble Company, Norwich, New York, is seeking, in our Cardiovascular Department, a doctorate level pharmacologist or physiologist to conduct research as head of our large-animal-model cardiac arrhythmia laboratory. The successful candidate, preferably with postdoctoral training, will have experience in the surgical preparation and use of nonrodent arrhythmia models. This critical position requires the ability to establish new models as needed, and to design, execute, and interpret experiments for evaluating cardiovascular effects of new chemical entities, using state-of-the-art systems of data collection and analysis. The successful candidate will manage an established group of scientists and participate in a multidisciplinary team effort of new drug discovery. Well developed oral and written communication skills, as evidenced by paper presentation and publication, are required.

The well equipped research laboratories of Norwich Eaton Pharmaceuticals, Inc., a subsidiary of a Fortune 500 corporation, are in Norwich, NY, in the Binghamton-Utica-Syracuse triangle. Norwich Eaton offers nationally competitive salary and benefits. This small community provides an excellent family living environment in a true four season climate. Candidates should send their resume to:

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BIOCHEMIST/IMMUNOCHEMIST

We're Pierce Chemical, an international life-science/biotech company. Our home base, Rockford, Illinois, is a mid-sized city with much to offer. Our Chicago office is located in Milwaukee. Pierce has an opening in the Process Development Department for someone who is looking to grow with a successful company. We are seeking a Ph.D. scientist in Animal Sciences. In addition to academic credentials, we are seeking a Ph.D. candidate who would hold a Ph.D. or M.D. degree with a strong interest in clinical service. This position offers an excellent salary and benefits package as well as an opportunity to join the management team of a company leading the nation in private sector genetic testing. Send curriculum vitae and these three references to: Yemia Kiamchi, Vivigen, Inc., 435 St. Michael's Drive, Santa Fe, NM 87501. Telephone: 505-988-8744.

EXPERIENCED CYTOGENETICIST

Needed for high-volume private laboratory located in the mountains of northern New Mexico. These positions offer excellent salaries and benefits, resort living and the chance to become part of a dynamic rapidly growing company through an employee stock purchase program. Send resume and three references to: Yemia Kiamchi, Vivigen, Inc., 435 St. Michael's Drive, Santa Fe, NM 87501. Telephone: 505-988-9744.

POSITIONS OPEN

BIOLOGY FACULTY POSITION. Beginning late August 1989. Assistant professor or instructor of biology (substantial leave with possibility of renewal) preferred. Master's degree acceptable. Teaching responsibilities include general biology, cell biology, and physiology. Send curriculum vitae, transcripts, and three letters of reference by 1 May 1989 to: Charles Tjoesten, Head, Biology Department, Luther College, Decorah, IA 52101. An Equal Employment Opportunity Employer.

CHAIR, ANIMAL SCIENCES

The University of Vermont, College of Agriculture and Life Sciences, is seeking a chair for the Department of Animal Sciences. The chair will report to the dean and become a candidate for five-year appointment. Additional responsibilities will be: the development and implementation of educational and research programs in animal sciences and a continuing program of research. The chair will be responsible for the overall direction and coordination of research activities within the department. The chair will also be responsible for the direction of the undergraduate program in animal sciences, including curriculum and instruction. The chair will be expected to maintain an active research program and to pursue extramural funding. The chair should have a Ph.D. in animal sciences or a related area, a working knowledge of the land grant system and a current record of excellence in research and teaching. Excellent communication skills are required to interact effectively with the diverse groups interested in maintaining a strong dairy and livestock industry in Vermont. Current research strengths within the department include rumen microbiology, microbial ecology of the bovine mammary gland and ruminant appetite physiology. The ideal candidate will bring a high level of motivation to guide the department into areas of importance in modern large animal science disciplines. Opportunities for new faculty members exist currently and will be available in the near future. As the College of Agriculture and Life Sciences is currently undergoing a major reorganization, the new chair will have a strong influence on the magnitude and direction of collegiate and departmental growth. The position is open until a qualified candidate for the position is selected. Applications and nominations are encouraged. Applications and nominations should include curriculum vitae, names of five references, reprints of recent papers, an explanation of why this particular position is appealing to you and why you can bring to the University of Vermont including leadership and teaching accomplishments) to: Dr. Warren W. Schaeffer, Department of Animal Sciences, University of Vermont, College of Agriculture and Life Sciences, Burlington, VT 05405. Applications will be accepted until 1 May 1989 or until the position is filled. Women and minority candidates are encouraged to apply. The University of Vermont is an Equal Opportunity/Affirmative Action Employer.

DEVELOPMENTAL BIOLOGY AND NEUROSCIENCE

Two tenure-track FACULTY POSITIONS in the Department of Anatomy Program in Cell Biology and Neuroscience. Applicants for the associate professor position should have an ongoing extramurally funded research program, an established record of scholarly and a willingness to direct team-taught and problem-oriented medical gross anatomy; applicants at the assistant professor level should have a strong background in research, an active research program, and a willingness to teach a portion of medical gross anatomy. Preferences will be given to those with demonstrated expertise in molecular/molecular biological studies of fundamental and behavioral studies and to those with a commitment to research that is relevant to neuroscience. Applications should include a curriculum vitae and three letters of reference to: Craig K. Henkel, Ph.D., Department of Anatomy, Bowman Gray School of Medicine, 301 South Hawthorne Road, Winston-Salem, NC 27103. Telephone: 910-716-3486. An Equal Opportunity/Affirmative Action Employer.

CYTOGENETICIST

Vivigen Laboratory has an opening for an ARMG Board-certified or Board-eligible cytogeneticist. Applicants should hold a Ph.D. or M.D. degree with a strong interest in clinical service. This position offers an excellent salary and benefits package as well as an opportunity to join the management team of a company leading the nation in private sector genetic testing. Send curriculum vitae and three references to: Yemia Kiamchi, Vivigen, Inc., 435 St. Michael's Drive, Santa Fe, NM 87501. Telephone: 505-988-8744.

DEVELOPMENTAL BIOLOGY/VERTEBRATE ZOOLOGY—ASSISTANT PROFESSOR: The Natural Science Department, Plymouth State College, invites applications for a 1-year faculty position, with possibility of becoming tenure-track, in the biology major program to include teaching vertebrate zoology, animal physiology, experimental/ descriptive embryology, and microscopic examination of toxic substances. Teach undergraduate/graduate courses; participate in externally-funded research. Qualifications: Ph.D.; publications. Postdoctoral experience desirable. Application letter, curriculum vitae, copies of representative publications, names/telephone numbers of three references to: Search Committee, Toxicology, Hailey College of Environmental Studies, Western Washington University, Bellingham, WA 98225. Applicant review begins 15 May 1989; continues until position filled. Western Washington University is an Affirmative Action/Equal Opportunity Employer.
MOLECULAR BIOLOGY
DATABASE SCIENTIST

GenBank Data Flow Domain Leader

Los Alamos National Laboratory, a worldwide leader in technological and scientific research, has an opportunity in its GenBank project for a molecular biologist or computer scientist with superb leadership skills. Primary responsibility will be oversight of the Data Flow Group of the GenBank nucleotide sequence data bank. Additional responsibilities will include: Supervision of staff responsible for data entry and data submissions. Development of strategies for shifting from in-house data entry to automated processing of direct submissions from the community generating data, especially through close contact with journal editors and large-scale sequencing projects. Participation in technical negotiations with collaborators and sponsors.

Applicants should have an MS in computer science and/or a PhD in molecular biology, or an equivalent combination of education and experience in related disciplines. We require experience with and understanding of administering data flow in and out of databases. An understanding of the data structures pertaining to molecular biology, and familiarity with the laboratory environment where DNA sequence data are generated are both desirable. Experience with relational database management systems is highly desirable, as is a background that includes supervisory experience. Excellent oral and written communication skills are required.

We offer the selected candidate a stimulating professional environment, along with an outstanding compensation and benefits package. For confidential consideration, please send a resume to: Richard Garcia (MS P280), Personnel Services Division 90153-5, Los Alamos National Laboratory, Los Alamos, NM 87545.

Affirmative Action/Equal Opportunity Employer. Must be able to obtain a Department of Energy Security Clearance.

University of California
Los Alamos

IGEN
CATALYTIC ANTIBODIES

ENZYMOLGY GROUP LEADER

We are currently seeking a scientist with post-doctoral experience to join our Catalytic Antibodies research group.

The research will involve mechanistic and kinetic characterization of antibody based catalysts and the design of screening assays for novel reactions. Experience in a relevant area of enzymology or protein chemistry is ideal.

IGEN is a biotechnology company located in Maryland, close to Washington, DC specializing in the development of a new generic diagnostic technology and in the pharmaceutical and therapeutic applications of catalytic antibodies (ABZYMES™).

For confidential consideration, please send your curriculum vitae to: IGEN, Inc., Human Resource Manager, 1530 East Jefferson Street, Rockville, Maryland 20852.

National Cancer Institute
National Institutes of Health,
Public Health Service

CANCER PREVENTION
FELLOWSHIP PROGRAM

The Division of Cancer Prevention and Control (DCPC) is accepting applications for the Cancer Prevention Fellowship Program (CPFP). The purpose of this program is to attract individuals from a multiplicity of health science disciplines into the field of cancer prevention and control. The program provides for: Participation in the DCPC Cancer Prevention and Control Academic Course; Working at NCI directly with individual preceptors on cancer prevention and control projects; Brief assignments in cancer prevention and control programs at cancer centers, State and Health Departments or other institutions. Funding permitting, ten Fellows will be accepted for up to three years of training, beginning July 1, 1990. Benefits include selected relocation and travel expenses, paid federal holidays, and participatory health insurance.

ELIGIBILITY

1. M.D. or D.O. from a U.S., territorial, or Canadian Medical School. Foreign medical graduates must have current ECFMG/FMGEMS certification and one year residency in a training program approved by the Accreditation Council for Graduate Medical Education.

OR

2. Ph.D., Dr. P.H. or other doctoral degree in a related discipline (epidemiology, biostatistics, biomedical, nutritional, public health or behavioral sciences). Foreign education must be comparable to that received in accredited U.S., territorial, or Canadian institutions.

3. U.S. citizenship or resident alien eligible for citizenship within four years.

For details and application packet send a POSTCARD with your name and home address to:

Douglas L. Weed, M.D., Ph.D.
Cancer Prevention Fellowship Program
Division of Cancer Prevention and Control
National Cancer Institute
Executive Plaza South, T-41
Bethesda, MD 20892

Further inquiries: Mrs. Barbara Redding, (301) 496-8640 or 496-8641.


NIH IS AN EQUAL OPPORTUNITY EMPLOYER
EXECUTIVE DIRECTOR

WISCONSIN CENTER FOR DEMAND-SIDE RESEARCH

Six major gas and electric Wisconsin utilities, University of Wisconsin and the Wisconsin Public Service Commission have established a new research center to study utility customers' energy usage with the objective of improving use efficiency to modify energy demand load shapes and levels. The Executive Director will report to a Board of Directors and be responsible for a budget of $1-2 million/year, fund-raising, and supervise a staff of 7 to 12 permanent and project employees. Candidates must have a minimum of 8 years progressively responsible professional experience in an energy related field, 5 years of which were at a managerial level. Must also have recognized research experience and be published in technical and policy aspects of the energy field. Ph.D. preferred.

Competitive salary and benefits. Send resumes by April 30, 1989 to:

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P.O. Box 1641, Madison, WI 53701-1641
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ALKERMES is a private biomedical company located in Cambridge, MA focused on the development of innovative systems for drug delivery across the blood-brain barrier. We seek well qualified scientists to address new product development. Openings are available for the following positions:

PHARMACOLOGIST:
Requires a Ph.D. in pharmacology with 2-3 years' postdoctoral training, with experience in animal models and pharmacokinetics. Some knowledge of toxicology would definitely be a plus. You will be responsible for developing animal models and obtaining preclinical data for products.

SYNTHETIC CHEMIST:
Requires a Ph.D. in peptide chemistry with 2-3 years' postdoctoral training, with experience in structure-activity relationships. This person will be involved in research activities, as well as GLP and GMP pilot-plant production.

ORGANIC CHEMIST:
Requires a Ph.D. in chemistry with extensive organic/bio-organic chemistry experience to work with protein chemists and molecular biologists. Candidate should possess a good working knowledge of organic synthesis and related analytical techniques. Experience with proteins would be helpful.

ALKERMES provides a stimulating environment in a strong academic community and offers an excellent salary and benefits package. Please send your C.V., interests, and three references in confidence to: Alkermes, Inc., 26 Landsdowne Street, Cambridge, MA 02139.

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For further information, telephone Ed. Keller, Recruitment Advertising Manager, or Donna Rivera, Production Manager at Science: 212-730-1050, or write to: Science, 1515 Broadway, NY, NY 10036.

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The U.S. Environmental Protection Agency (EPA) is seeking candidates for the position of Deputy Director, Health Effects Research Laboratory (HERL). This position is located in Research Triangle Park, NC and is a permanent full-time position with a salary range of $57,158 to $74,303 per annum commensurate with qualifications.

HERL has a staff of about 300, over 100 of whom hold doctoral level degrees. The Laboratory has a diverse program which includes in vitro animal, human clinical, and epidemiological research designed to address issues related to the health effects of air and water chemical and biological pollutants.

The HERL is a multidisciplinary laboratory organized into six divisions: Neurotoxicology, Human Studies, Environmental Toxicology, Genetic Toxicology, Developmental Toxicology and Research and Regulatory Support. The Laboratory is staffed by health scientists with recognized expertise in a variety of disciplines—environmental medicine, physiology, epidemiology, statistics, biochemistry, neurotoxicology, reproductive toxicology, pulmonary toxicology, immunotoxicology, cardiovascular toxicology, genotoxicology, hepatotoxicology and other target organ toxicology, and microbiology—who formulate and implement a comprehensive research program to investigate human health effects resulting from exposure to environmental pollutants. The program includes both intramural investigations and extramural arrangements with universities, industry, private research institutions and other government agencies. The Deputy Director shares fully with the Director in the planning, programming, policy implementation, management, direction and control of the scientific and technical aspects of the Laboratory. This includes assuring the development of a research strategy to meet the evolving needs of EPA, presenting the program, supervising four Associate Laboratory Directors who manage the Laboratory’s media-based programs, directing the progress of these programs and ensuring the scientific quality and productivity of the Laboratory.

The preferred candidate for this position would possess the following qualifications:

1. Advanced degree in a biological, medical or environmental discipline with at least six years of professional experience in any of these areas. Applicable graduate coursework may be substituted for a portion of the required experience.
2. Experience as a supervisor of a scientific/professional staff.
3. Applicants must have recognized scientific expertise as evidenced by multiple publications in peer-reviewed literature and invitations to participate in national and international meetings/panels.
4. Proven ability to provide leadership in directing the development and progress of a creative and effective multidisciplinary human research program.
5. U.S. citizenship is required.

Forward curriculum vitae and names of three references prior to May 12, 1989 to: Dr. Lawrence W. Reiter, via Terri Burrell, HRMD (MD-29), U.S. Environmental Protection Agency, Research Triangle Park, NC 27711.

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ADVANCED LIGHT SOURCE
Lawrence Berkeley Laboratory

CALL FOR PROPOSALS

The Advanced Light Source, a national user facility at the Lawrence Berkeley Laboratory for the production of high-brightness, partially coherent X-ray and ultraviolet (XUV) synchrotron radiation, is scheduled to begin serving users in the spring of 1993.

LBL is now seeking proposals from Participating Research Teams to develop and operate the initial complement of beamlines and experimental facilities at the ALS. Proposals are encouraged for both

- Insertion-Device Teams
- Bending-Magnet Teams

All proposals will be evaluated by the ALS staff and reviewed by the ALS Program Review Panel. The deadline for receipt of proposals is August 15, 1989.

To receive a proposal application form and information about the required content of a proposal, contact:

Alfred S. Schlachter  
Scientific Program Coordinator  
Advanced Light Source  
Lawrence Berkeley Laboratory  
MS 46-161  
Berkeley, CA 94720  
[fax: (415)-486-4873/e-mail: FRED@LBL]
FOUR FACULTY POSITIONS IN BIOLOGICAL SCIENCES

The Department of Biological Sciences at Western Michigan University invites applications for full-time, tenure-track positions at the assistant or associate professor level. Candidates should have a Ph.D. and postdoctoral experience. An active research program is necessary, either funded or with a clear potential for funding. Potential position starting dates include August 1, 1999, or late August 1999.


ECOLOGY: population biology with expertise in chemical interactions or modeling and empirical study of biodiversity preferred.

SCIENCE EDUCATION: methods course expertise and ability to support Ph.D. program in Science Education preferred.

Send curriculum vitae, description of research program, and three letters of recommendation to:

Dr. Robert Eisenberg for microbiology position
Dr. Cecil McIntyre for physiology position
Dr. Robert Eisenberg for cell biology position
Dr. Elwood Ehle for science education position
Department of Biological Sciences
Western Michigan University
Kalamazoo, MI 49008

Equal Opportunity/Affirmative Action Employer.
POSTDOCTORAL SCIENTIST
Molecular Biologist / Virologist / Immunologist (recent Ph.D.) to develop recombinant DNA-based vaccine for dengue virus, a mosquito-borne agent responsible for high levels of morbidity throughout the tropics.

Duties will involve cDNA cloning, identification and characterization of viral sequences encoding viral protein epitopes recognized by human convalescent sera, incorporation of these sequences into vectors to generate immunogens, and analyzing sera elicited by these immunogens.

Please send your application, curriculum vitae, and the names, addresses, and phone numbers of three references to:

Dr. Tom Humphreys
Director of Research
Hawaii Biotechnology Group, Inc.
99-193 Alae Helagua Drive
Honolulu, Hawaii 96701

An Equal Opportunity Employer

IMMUNOLOGIST / VIROLOGIST
Laboratory of Infectious Diseases
National Institutes of Allergy and Infectious Diseases
National Institutes of Health

Position available immediately for qualified immunologist or virologist to work in the Respiratory Viruses Section, NIAID, NIH. Work will involve a detailed characterization of the cellular immune response to respiratory syncytial viruses (RSV) proteins and an investigation of the immunological mechanisms underlying the enhanced disease seen in recipients of inactivated virus vaccine following natural infection with RSV. A Ph.D. in immunology, virology or molecular biology is required.

Salary range: $24,000 - $27,000

Qualified and interested candidates should send curriculum vitae, Application for Federal Employment (SF-171) and names and addresses of three (3) references to:

Brian R. Murphy, M.D.
Head, Respiratory Viruses Section
NIAID, NIH
Bldg. 7, Room 106
9000 Rockville Pike
Bethesda, MD 20892

NIH is an Equal Opportunity Employer

XOMA Corporation, a leader in the development of targeted protein therapeutics, is seeking a postdoctoral fellow for the pharmacology group. The successful candidate will design, conduct and interpret pharmacological and pharmacokinetic studies with new products in development. The group is also responsible for the development of in vivo model systems for the evaluation of products to treat septic shock, immune-related diseases and cancer.

Candidates should have a Ph.D. in pharmacology or related discipline with extensive experience in the use of laboratory rodents for pharmacokinetic and pharmacological studies. Experience with immunological model systems, biostatistics, computer use and technical supervision desired. XOMA offers competitive salary and comprehensive benefits in an outstanding work environment. For consideration, please forward your C.V. to: Director of Human Resources, XOMA Corporation, 2910 Seventh Street, Berkeley, CA 94710. EOE.

Ph.D., Immunology/ Biochemistry/Molecular Biology
Postdoctoral Opportunities

The Squibb Institute for Medical Research is recognized as an international leader in the research and development of pharmaceuticals and related health care products. We are seeking to hire two Ph.D.'s in September 1989. Research is being conducted in the fields of molecular immunology and mammalian gene expression in hypertension models. If you have a Ph.D. in immunology, biochemistry or molecular biology, you may wish to consider one of these positions. Experience in expression of chimeric gene constructs, differential screening and analysis of gene structure is desired. For confidential consideration, please submit your curriculum vitae with three references to The Squibb Institute for Medical Research, Human Resources Department 508, P.O. Box 4100, Princeton, NJ 08543-4100. An equal opportunity employer.

Manager, QA Labs

For decades, Baxter Healthcare Corporation has been meeting the challenge of providing innovative, life-enhancing medical products and services throughout the world. Our Hyland Division specializes in the development, production and distribution of therapeutic proteins derived from human plasma.

We take pride in our educated, forward-thinking staff of professionals, and recognize their contributions toward improving the quality of life.

We currently seek an individual to manage and direct the activities of six Quality Control laboratories with combined budgets exceeding 2.3 million dollars. These laboratories perform analyses required for therapeutic product and raw material release, test development, manufacturing support, stability, and R&D programs. We require a Ph.D. or 8-10 years in the QC area; 5 years of QC experience in pertinent laboratory management; technical skills; educational background in Chemistry, Microbiology or Immunology; and management experience.

We believe that we provide the challenge that allows you to grow both professionally and personally in ways that you never thought possible. And those who meet the challenge will find reward and recognition in equal measure. For consideration, send your resume to: Baxter Hyland Division, Human Resources Department, 4501 W. Colorado Blvd., Los Angeles, CA 90039. Equal Opportunity Employer.
DEPUTY DIRECTOR, OFFICE OF HEALTH & ENVIRONMENTAL ASSESSMENT (OHEA)

DIRECTOR, HUMAN HEALTH ASSESSMENT GROUP (HHAG)

The U.S. Environmental Protection Agency (EPA) is seeking highly qualified candidates for two Senior Executive Service (SES) positions located at EPA Headquarters in Washington, D.C.

The OHEA oversees an Exposure Assessment Group and HHAG at Headquarters, Environmental Criteria Assessment Offices at Cincinnati, Ohio, and Research Triangle Park, North Carolina. OHEA is responsible for the technical direction and management of programs assessing human risk from environmental pollutants on human health and ecological systems, i.e., performing hazard assessments, developing risk assessment methods, guidelines, providing other forms of scientific advice to Agency regulatory offices, and planning/implementing research aimed at reducing uncertainty in risk assessment.

The Director, HHAG oversees four branches with emphases on toxicology, epidemiology, biostatistics, mechanisms of toxic action. HHAG provides the Agency with health hazard, risk information for use in regulatory decision-making with recommendations being defensible at national/international levels.

Applicants must have a bachelor's or higher degree in life or health sciences, or a related field relating to the work of the positions and professional experience demonstrating leadership and technical competence in one of those fields. Notable experience in human health risk assessment or in public health protection is desirable. Must meet the technical/executive qualifications described in Vacancy Announcement. For a copy of the Vacancy Announcement call or write: Edna Morse, Environmental Protection Agency, Executive Resources and Special Programs Division, PM-224, 401 M Street, S.W., Washington, D.C. 20460. The telephone number is (202) 382-3328.

Applications must be postmarked by June 1, 1989. A separate SF-171, Application for Federal Employment, MUST be submitted for each position.

EPA is an Equal Employment Opportunity Employer.

PROFESSOR AND HEAD
DEPARTMENT OF ENTOMOLOGY

Administer and coordinate faculty development and departmental teaching, research and extension programs. Provide leadership for development and implementation of programs within the department. Work with faculty to establish program priorities, faculty activities, allocation and management of support staff, facilities, and finances. Foster multidiscipline, interagency and regional cooperation.

The department has 22 faculty (16 UNL and 6 adjuncts), 25 graduate students, and several technical support staff. Most faculty have joint appointments, consisting of research, teaching and/or extension. The department offers curricula leading to degrees of Bachelor of Science in crop protection, Master of Science or Doctor of Philosophy in entomology. Research programs include: insect physiology, ecology and genetics; biology and management of important insects associated with corn, sorghum, wheat, alfalfa, soybeans, livestock and range production; urban, forestry, water quality and pesticide impact assessment. The department is committed to increase basic biotechnological research while maintaining its traditionally strong production-oriented IPM programs on crop and livestock pests. Departmental research and extension programs are coordinated with those of faculty located at the five research and extension centers throughout the state.

Requires Ph.D. degree in Entomology and qualification to be full professor with tenure. Professional record must show significant accomplishments in research, teaching and/or extension. Must be familiar with the land grant university system and an appreciation of regional, national and international interaction is essential. Demonstrated ability to administrate, communicate, and work harmoniously with people is required.

Nominations or applications will be accepted until May 15 (or until suitable applicant is identified). Applicants are requested to submit letter of application, vitae, and names of three references to:
Dr. Irvin T. Omvedt, Vice Chancellor
Institute of Agriculture & Natural Resources
University of Nebraska-Lincoln
202 Agricultural Hall
Lincoln, Nebraska 68583-0708
Phone: (402) 472-2871
Affirmative Action/Equal Opportunity Employer

CHEMIST

Ph.D. Clinical Chemist

Drug Safety Division - Wyeth-Ayerst Laboratories

Wyeth-Ayerst Laboratories has an immediate opening for a Ph.D. level Clinical Chemist to supervise a modern, well equipped clinical laboratory at our drug safety testing facility in upstate New York.

The candidate for this position should have previous experience with the Hematology clinical chemistry and biochemistry of the common laboratory species and with the adaptation of human testing procedures to the same. Of equal emphasis is a strong background in the use of computers in software packages within the lab for automation of procedures and as tools for the rapid interpretation of clinical results. The successful candidate will work on a cooperative basis with PhD level Toxicologists, Pathologists and Pharmacologists providing input regarding the significance of the clinical results and developing strategies to further elucidate the possible mechanism of drug toxicity.

Our drug safety testing facility is located between the foothills of the Adirondack Mountains and the shores of Lake Champlain. The area offers the benefits of a relaxed rural lifestyle and a wide range of outdoor recreational activities while being within easy driving distance of such cultural centers as Lake Placid, Burlington, Vermont and Montreal, Canada. Wyeth Ayerst is an equal opportunity employer offering the successful candidate an attractive benefit package and a salary commensurate with experience. Send resume in confidence to:

Gary D. Wagoner, Personnel
Wyeth-Ayerst Laboratories
Rouses Point, New York, 12979

An Equal Opportunity Employer M/F/H/V

BUILDING A NEW LAB?

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WRITE TO:

SCIENCE MAGAZINE
NEW LAB SERVICE DEPT.
1515 BROADWAY
NEW YORK, N.Y. 10036
Postdoctoral Research Fellowships

The Plant Biochemistry Department at Zocon Research Institute (ZRI) is seeking to fill two postdoctoral research positions in the area of auxin binding/auxin transport.

**Protein Biochemistry:** Responsible for characterizing a membrane protein identified as the efflux carrier of indole acetic acid (auxin). Candidate must have experience in protein biochemistry including protein sequencing, peptide mapping, and covalent modification of proteins. Experience with plants and membrane associated proteins preferred, but not required.

**Molecular Biologist:** Responsible for identifying and sequencing genes responsible for synthesis of the auxin efflux carrier in higher plants. Candidate must have strong background and experience in plant molecular biology including DNA sequencing. Special consideration will be given to candidates with experience in oligonucleotide hybridization techniques.

ZRI has been a leader in innovative agricultural research for more than 20 years and has established research programs in herbicide design, plant biotechnology, insect physiology, biochemistry and chemistry. Excellent research facilities are located in Palo Alto, in proximity to Stanford University. Research is conducted in an open and interactive environment. Postdoctoral fellows are encouraged to publish their results and establish contact with other scientists throughout the world.

To apply for this position, please send curriculum vitae and the names of three references to:

**SANDOZ CROP PROTECTION CORPORATION**
Zocon Research Institute
Human Resources Department
975 California Avenue
Palo Alto, CA 94304
AA/EOE

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**Dean**

**College of Pharmacy and Allied Health Professions**
Northeastern University
Boston, Massachusetts

Northeastern University, a large urban university, invites applications and nominations for the position of Dean of the College of Pharmacy and Allied Health Professions. The College includes undergraduate programs in health records administration, medical laboratory science, pharmacy, respiratory therapy and toxicology. Graduate programs in the College of Pharmacy and Allied Health Professions range from biomedical sciences to medically related professional programs. Biomedical sciences include M.S. and Ph.D. degree programs in medical laboratory sciences, medicinal chemistry, pharmacy, pharmacology, and toxicology. The professional programs include those leading to the M.S. degree in hospital pharmacy, the Master of Health Professions with specialization as physician assistant, and the Doctor of Pharmacy Degree, as well as a post-baccalaureate certificate program in perfusion technology.

The Dean is the chief academic and executive officer of the College, reporting to the Provost. The Dean is primarily responsible for maintaining high quality undergraduate and graduate programs and for providing leadership to enhance the continued growth of research activities in the College. The Dean is expected to be an articulate spokesperson for the College and a liaison with the health professions and related industries.

Candidates should possess an earned Ph.D., or equivalent, in a pharmaceutical or allied health science, or a related discipline, and an outstanding record of research, teaching and scholarship. Experience in academic administration, including budgeting and financial planning, and the ability to communicate and deal effectively with students, faculty, administration and industry are essential.

Applicants should submit a complete resume including vita, list of publications, and the names and addresses of three references. Application or nomination received by May 31, 1989 will be given full consideration. All materials, including nomination and inquiries, should be directed to Professor Patrick F. Plunkett, Chair, Dean Search Committee, 238 Mugar Life Sciences Building, Northeastern University, Boston, Massachusetts 02115.

Northeastern is an Equal Opportunity/Affirmative Action, Title IX University.
POSITIONS OPEN

UNIVERSITY OF HONG KONG
LECTURER IN BIOCHEMISTRY

Applications are invited for a Lectureship in the Department of Biochemistry. The appointee will participate in the teaching of students in the Faculties of Medicine, Science and Dentistry. Present research activities in the Department include molecular biology, membrane, disease, developmental biology, enzymology, immunology and haematology. Consideration will be given to applicants from any field of research. Those who are interested in contributing to the teaching of human genetics or lipid biochemistry are encouraged to apply. A higher degree is normally expected and some teaching experience is desirable. Applicants with medical or dental qualifications may have an advantage.

Annual salary (superannuable) is on an 11-point scale, US$1 - HK$7,80 (approximately 15,260 to 25,510 sterling equivalent as at 3 March 1989). Starting salary will depend on qualifications and experience. A medically qualified appointee who has completed his/her pre-registration training should be minimum point of the scale. At current rates, salaries tax will not exceed 15.5% 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 Office, University of Hong Kong, Hong Kong. Closing date: 9 June 1989.

MAGNETIC RESONANCE SPECTROSCOPIST

Applications are invited for a research assistant position as research assistant professor in the Department of Biochemistry, University of Virginia. Applicants for this position must be in the process of writing a thesis for a Ph.D. degree in the field of magnetic resonance spectroscopy or in the application of these techniques to lipid bilayers and biological membranes. They must also have extensive experience in the synthesis of phospholipids, sphingolipids and other complex membrane lipids. The position will require advanced graduate level teaching of the theory and applications of magnetic resonance spectroscopy. Applicants must hold a Ph.D. degree and have at least 4 years of postdoctoral research experience. Curriculum vitae, copies of academic transcripts and three letters of recommendation should be sent to: Professor T. E. Thompson, Department of Biochemistry, The University of Virginia, Charlottesville, VA 22908. Applications should be postmarked on or before 1 May 1989. Affirmative Action/Equal Opportunity Employer.

MOLECULAR AND CELLULAR BIOLOGY

CORNELL UNIVERSITY
POSTDOCTORAL RESEARCH ASSOCIATE

Research in cellular biophysics and molecular cell biology, particularly on cell surface receptor dynamics and transmembrane signaling mechanisms utilizing the facilities of our Developmental Resource for Biophysical Imaging and Optoelectronics. Current goal interests include Fc receptors, lipoprotein receptors,integrin transmembrane receptor interactions, conformational transformations and mechano-receptor mechanisms. The position includes some service as a cell biological and biochemical consultant for the Resource, and collaboration with its multidisciplinary users and collaborators and its largely biophysical staff. For measurements on cells in culture available labs include the latest development in quantitative electro-optical and confocal microscopic image acquisition, digital image analysis, piconewton sensitivity instruments involving fluorescence photolysis and photo bleaching, photochemistry, and fluorescent biochemical indicators of cellular electrochemistry. Supporting facilities include cell culture, biophysical analysis of molecular biology, analytical biochemistry and physical and computer services are available. Position appropriate for biophysical chemist, molecular cell biologist, or cellular biochemist or biochemist with background capabilty for interdisciplinary research and motivation to learn biophysical technologies. Send letter of intent, statement of research interests, names of three referees or letters of recommendation to: Professor Walt W. Webb, Cornell University, Applied Physics, Clark Hall, Ithaca, NY 14850. Cornell University is an Equal Opportunity/Affirmative Action Employer.
**POSITIONS OPEN**

**AGRICULTURAL RESEARCH SERVICE (ARS)**

U.S. DEPARTMENT OF AGRICULTURE (USDA)

PLANT PATHOLOGIST

NORTHERN REGIONAL RESEARCH CENTER, PEORIA, ILLINOIS

ARS is seeking a candidate to join a research group studying the conversion of agricultural commodities into biocontrol products. Specifically, to conduct research on culturing fungal plant pathogens for the production of spores which can be used for the control of noxious weeds. Candidates must have knowledge of plant pathology and mycology. Knowledge and experience with macroscopy and tissue-culture are desirable. A Ph.D. is desirable. U.S. citizenship is required. Salary is commensurate with experience, $28,852 to $44,957. For information on the research program, contact: Dr. R. J. Bothast; 309-685-4011. For information on application procedures, contact: Ms. Janie Carr; 301-344-4569.

Applications in response to this advertisement must be marked 9N007 and be received by 1 June 1989. ARS is an Equal Opportunity Employer.

**POSTDOCTORAL FELLOW AND RESEARCH ASSOCIATE**

Positions available July 1989 to study the genetics of atherosclerosis in the mouse including the impact of obesity, diet, and diabetes. Knowledge of lipoproteins or nutrition useful. Position at The Jackson Laboratory, Bar Harbor, Maine, but send resume and names of three references to: Dr. Beverly Paigen, Children's Hospital, 747 52nd Street, Oakland, CA 94609. Telephone: 415-428-3524.

**POSTDOCTORAL FELLOW(S) OR RESEARCH SCIENTIST(S)**

ANIMAL RETROVIRUS RESEARCH LABORATORY

COLORADO STATE UNIVERSITY

One to two Ph.D. scientists with expertise in modern virology and/or immunology are sought to participate in research on feline infectious anemia virus and retroviruses in animal models. Experience in molecular biology, and knowledge of animal virology required. Successful applicant(s) will have the opportunity to conduct original research in the field of retroviruses and AIDS-related research. Salary commensurate with credentials. Deadline: 1 June 1989.

Please send application materials to: Dr. Edward A. Hoover, Professor, Department of Pathology, Colorado State University, Fort Collins, CO 80523. Telephone: 303-491-7861. Colorado State University is an Equal Opportunity/Affirmative Action Employer and complies with all Federal and Colorado State laws, regulations, and executive orders regarding Affirmative Action requirements.

**UNIVERSITY OF ZURICH, SWITZERLAND**

POSTDOCTORAL FELLOWSHIP IN MOLECULAR BIOLOGY

An enthusiastic postdoctoral scientist preferably with experience in the areas of cloning, gene transfer or site-directed mutagenesis, is required to join a multidisciplinary team actively involved in research on chemically gated ion channels in the central nervous system [see Proc. Natl. Acad. Sci. USA. 85, 7815 (1988)]. The current project aims to study the role of the GABA-receptor in regulating anxiety, vigilance and epileptic seizures. Investigation will focus on structural heterogeneity, functional divergence and regulation of gene expression of this receptor family in normal and diseased brain. Applicants for the 3-year post, now available, should send curriculum vitae, list of publications, and the names of three referees to: Professor H. Mohler, Neuroscience Department, University of Zurich. 30, CH 8006 Zurich, Switzerland.

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**MEDICINAL CHEMIST**

Peptide Design & Synthesis

**COMMITTED TO SCIENTIFIC EXCELLENCE**

**STERLING RESEARCH GROUP**

A Division of Sterling Drug Inc.

81 Columbia Turnpike

Rensselaer, NY 12144

A Subsidiary of the EASTMAN KODAK COMPANY

Equal Opportunity Employer M/F/H/V

The Sterling Research Group, the worldwide pharmaceutical research and development organization of Sterling Drug Inc., announces an opening for a Medicinal/Organic Chemist in the Medicinal Chemistry Department of its Rensselaer, New York facility.

An excellent opportunity exists for an organic chemist who has experience in the synthesis of peptides to join an expanding group committed to the discovery of peptides and peptide mimetics as potential therapeutics. Experience in solid-phase peptide synthesis would be an advantage.

The successful candidate will have a doctoral degree in chemistry or a related discipline. Sterling offers competitive salaries and a comprehensive benefits program, along with outstanding career opportunities for personal and professional growth. For confidential consideration, please forward your resume with salary history/requirements to:

Jo Ann Fitzgerald

Employee Relations Administrator

STERLING RESEARCH GROUP

A Division of Sterling Drug Inc.

81 Columbia Turnpike

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**SYNTEX**

Syntex, an international leader in the pharmaceutical and health care industries, has immediate openings available in our Palo Alto research headquarters for:

**Department Head**

You'll provide scientific leadership in areas of neurobiology, neurochemistry and psychopharmacology. Screen and develop novel therapeutic agents, define and execute departmental goals and administer the departmental budget. Applicants must have a PhD in pharmacology, 8+ years' related experience and a strong background in CNS neurotransmitter receptors and behavioral pharmacology.

**Post Doctoral Fellowships**

**Pharmacology**

Investigate the pharmacology and physiology of SHT receptor subtypes and neuronal function in the CNS and periphery. Applicants must possess a strong background in receptor theory and be familiar with both radioligand binding and cell culture techniques.

**Molecular Biology**

Study the SHT and muscarinic receptor subtypes using cloning and expression techniques. Applicants must have a strong background and interest in receptor cloning methodology, including mRNA isolation and tranfection techniques.

Openings are also available for PhD Pharmacologists in gastro-intestinal and cardiovascular research and for a PhD in cellular and soluble hemostasis.

Syntex offers a competitive compensation package in campus-like surroundings. For immediate consideration, please send your resume, indicating position of interest to: Synthex, Professional Staffing, Dept. SH/EP, 3401 Hillview Avenue, Palo Alto, CA 94304. Synthex is an equal opportunity employer.

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**UNIVERSITY OF ZURICH, SWITZERLAND**

POSTDOCTORAL FELLOWSHIP IN MOLECULAR BIOLOGY

An enthusiastic postdoctoral scientist preferably with experience in the areas of cloning, gene transfer or site-directed mutagenesis, is required to join a multidisciplinary team actively involved in research on chemically gated ion channels in the central nervous system [see Proc. Natl. Acad. Sci. USA. 85, 7815 (1988)]. The current project aims to study the role of the GABA-receptor in regulating anxiety, vigilance and epileptic seizures. Investigation will focus on structural heterogeneity, functional divergence and regulation of gene expression of this receptor family in normal and diseased brain. Applicants for the 3-year post, now available, should send curriculum vitae, list of publications, and the names of three referees to: Professor H. Mohler, Neuroscience Department, University of Zurich. 30, CH 8006 Zurich, Switzerland.
POSTDOCTORAL OPPORTUNITIES IN MOLECULAR BIOLOGY AND MULLERI SCIENTISTS AT THE NATIONAL INSTITUTES OF HEALTH

The Laboratory of Molecular Otoology of the Intramural Research Program of the National Institute on Deafness and Other Communication Disorders, National Institutes of Health, Bethesda, Maryland, has several openings for fellows. Applications are invited from scientists having a Ph.D. and/or M.D. degree. These postdoctoral fellowships are available to study (i) the molecular biology of the auditory system or (ii) the molecular genetics of inherited hearing impairments. Experience in molecular biology, molecular genetics, biochemistry or cell biology is desirable. Salary ranges from $24,000 to $30,744 and depends on experience and qualifications, as does the rank of the positions. Further appointment requirements may be obtained by calling Ms. Chris Steyer at 301-496-6334. Please arrange to send curriculum vitae and three letters of reference to: Dr. Jorgen Hotel, Laboratory of Molecular Otoology, National Institute on Deafness and Other Communication Disorders, National Institutes of Health, Public Health Service, Building 36, Room 5D08, 9000 Rockville Pike, Bethesda, MD 20892. NIH is an Equal Opportunity Employer.

POSTDOCTORAL POSITION for research on mammalian germ cells and embryo development using transgenic mouse models. Apply with curriculum vitae to: Dr. R. L. Briantar, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, PA 19104.

POSTDOCTORAL POSITION available in the field of photosynthesis. Studies will involve biochemistry and molecular biological techniques as applied to the structure, function and biogenesis of photosynthetic membrane electron transfer complexes. Prior experience with membrane proteins is highly desirable. Send curriculum vitae and references to: Dr. Richard Malkin, 309 Hilgard Hall, University of California, Berkeley, CA 94720.

POSTDOCTORAL POSITION: Molecular modeling and dynamics simulations of enzyme structure/ function and design. Facilities include academic and commercial software, ES 390, VAX's, Convex, workstations, and generous grant in a time. Publication and attendance at scientific meetings will be encouraged. Ph.D. and U.S. citizenship required. Send resume to: Anthony F. Gaglio, Battelle, Pacific Northwest Laboratories, P.O. Box 999, Department 102, Richland, WA 99352. Position will start autumn 1989. Battelle is an Equal Opportunity Employer.

POSTDOCTORAL POSITION—BAYLOR COLLEGE OF MEDICINE

A postdoctoral position is available to study the regulation of expression and function of vimentin and desmin in transgenic mice. Send curriculum vitae and three references to: Dr. Somie Capetanaki, Department of Cell Biology, Baylor College of Medicine, Houston, TX 77030.

POSTDOCTORAL POSITION to study the genotoxic and dietary control of metabolic pathways of alcohol degradation in Drosophila. The research involves enzyme analysis, radiotracer analysis of metabolic flux, and genetic analysis of Drosophila maintained on defined media. Background in biochemistry and molecular biology preferred. Work with good undergraduates; some teaching possible. Funding for 3 years with salary of $23,000 to $25,000. Send curriculum vitae, research experience and three letters of recommendation to: Dr. Judy W. Geer, Department of Biology, Knox College, Galesburg, IL 61401. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION to examine the role of protein kinase C and the jun oncogene in cell transformation. Experience in molecular biology (directed mutagenesis, S1 nuclease assay etc.) is necessary. Salary to $28,000 commensurate with experience. Write: Dr. A. Kraig, Division of Hematology/Oncology, University of Alabama Birmingham, 513 T.H.E. 1900 University Boulevard, Birmingham, AL 35294.

POSTDOCTORAL POSITION available immediately to join an NIH-funded investigation of the regulation of epithelial cell junctions and transepithelial permeability by protein kinases. Candidates should have a recent Ph.D.; a background in epithelial biology or protein kinase biochemistry is preferred. Send curriculum vitae and the names of three referees to: Dr. James M. Mullin, The Lankenau Medical Research Center, Lancaster Avenue, West of City Line, Philadelphia, PA 19151-0598. Equal Opportunity Employer.

POSTDOCTORAL POSITION: Available immediately in a multidisciplinary neuroendocrine group at Massachusetts General Hospital–Harvard Medical School to study hormone gene regulation and pathogenesis of human pituitary tumors. Opportunity for Ph.D. with molecular biology experience. Send curriculum vitae and three letters of reference to: Dr. Anne Klibanski, Massachusetts General Hospital, ACC-630, Parkman Street, Boston, MA 02114. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study the control of hormone secretion by utilizing methods that enable analysis at the level of the single cell. Experience in cell culture, immunochemistry, in situ hybridization and plaque assays desirable but not required. Send curriculum vitae and the names of at least three references to: Dr. F. R. Boockfor, Department of Anatomy and Cell Biology, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425.

POSTDOCTORAL POSITION to investigate the cytokine pathways of bacterial toxins and human tumor necrosis factor. Experience in protein-membrane interactions, nucleic acid–protein biochemistry, and/or tissue culture preferred. Send resume and three reference letters to: Dr. B. J. Wissek, Department of Microbiology and The Molecular Biology Institute, University of California Los Angeles, CA 90024.

RESEARCH SCIENTIST

DRUG METABOLISM

Wyeth-Ayerst Research, a subsidiary of Fortune 100 American Home Products Corporation, is opening for a Ph.D. Scientist in its Drug Disposition Section of Drug Metabolism.

The primary responsibilities will be to plan and implement studies on the absorption, distribution, metabolism and excretion of foreign compounds; pharmacokinetic evaluations and interpretation; isolation and structure elucidation of metabolites and handling of radioactive (carbon-14 and tritium) isotopes. The successful candidate will be involved in the development and validation of analytical procedures to evaluate foreign compounds in biological fluids.

A Ph.D. in a biological or physical science with at least 3 years post-doctoral experience is required. Prior experience along with strong oral and written communication skills are essential.

Wyeth-Ayerst offers an excellent salary and benefits package plus opportunity for advancement along with an ultra-modern research facility. Interested candidates should send CV and salary history to:

Personnel Manager, Dept. 2562
Wyeth-Ayerst Research
3000
Princeton, NJ 08543-8000
Equal Opportunity Employer M/F/H/V

Inter American University of Puerto Rico, an Equal Opportunity/Affirmative Action Employer.

Computer Science Positions

Inter American University of Puerto Rico - Department of Business Administration - invites applications for three (3) Visiting Professors of Computer Science positions on a full time basis for undergraduate teaching. The teaching will be conducted in Spanish. Candidates must have a M.S. in Computer Sciences, Information Systems Engineering, or Manufacturing Engineering and have college level teaching experience of three (3) years minimum. Starting salary of $16,560.00.

Deadline for applications will be one month after publication. Send resume and academic credentials to: Dean of Academic Affairs - Inter American University of Puerto Rico, San Germin Campus, Luna St., San Germin, Puerto Rico 00753.
BIOTECHNOLOGY

FORMULATION SCIENTIST

Cetus Corporation, a leader in the development of biotechnology-based therapeutics for cancer and infectious diseases, is seeking a Protein Chemist to work in our Formulation Group and assist in the development of stable formulations for therapeutic proteins. You will be involved in the development of assays to assess the physical and chemical stability of proteins and apply this knowledge to the development of appropriate clinical dosage forms.

Requirements include a PhD in Biochemistry or a related field and experience with modern techniques of protein analysis. Additionally, you should be able to work as part of a project team, as well as to communicate effectively. One to two years of industrial experience is desired, but not required.

Cetus offers an excellent benefits package along with an environment that encourages innovation and growth. For consideration, please send your resume to Cetus Corporation, Box JTS, 1400 Fifty-Third Street, Emeryville, CA 94608. We are an Equal Opportunity Employer.

Postdoctoral Scientist

Lawrence Livermore National Laboratory has an exciting opportunity available for a Postdoctoral Scientist in our Biomedical Sciences Division.

The selected candidate will join a team studying the formation and metabolism of aromatic amine carcinogens and mutagens formed in meats by cooking. Specific research will involve identifying the active metabolites and DNA/protein adducts formed in humans by dietary ingestion of the aromatic amines.

Requirements include a PhD and experience with P450 mediated metabolism of genotoxic agents, aromatic amine toxicology, HPLC and immunoaffinity chromatography.

We offer a highly competitive salary and benefits package. Questions may be directed to Dr. Martin Vanderlaan at (415) 422-5721, or send your curriculum vitae to: Earl G. Morrell, Personnel Operations Division, Lawrence Livermore National Laboratory, P.O. Box 5150, L-725, Dept. KSC47902B, Livermore, CA 94550. U.S. citizenship desired. An equal opportunity employer.

Lawrence Livermore National Laboratory

SCIENCE PROFESSIONALS

The Lockheed Engineering & Sciences Company supplies management and technological resources to many government agencies and major corporations. The Western Programs Office of Lockheed is currently seeking a Science Department Manager as well as Experiment Support Scientists for its Flight Payload Integration contract with NASA. Located at Ames Research Center in Mountain View, CA, this work involves support to the Space Life Sciences Project Office in development, integration, and operations aspects of space flight biological sciences experimentation. The Manager heads a staff of approximately 15 life scientists who assist in integrating the requirements of a large number of principal investigators with hardware and mission constraints and capabilities. This requires close and continuing collaboration with the investigators, NASA scientists, and engineering staff.

The successful candidate for Science Department Manager would have an advanced degree, preferably a PhD, in one of the life sciences disciplines and would have a number of years of laboratory or project supervisory experience. He/she should enjoy professional recognition in his/her field as evidenced by a body of publications and participation in national and international meetings and panels.

Experiment Support Scientist positions require a BA or higher degree in a biological discipline. Research interests and experience should be reflected by publication record, or, if a recent graduate, by courses taken. Computer literacy, writing ability, and laboratory instrumentation/hardware experience are desirable attributes.

Forward curriculum vitae and telephone numbers of two references to Dr. Kenton Bentley, Manager, Western Programs Office, Lockheed Engineering & Sciences Company, P.O. Box 168, Moffett Field, CA 94035. We are an equal opportunity, affirmative action employer.

Lockheed Engineering & Sciences Company
Giving shape to imagination.
POSTDOCTORAL POSITION

Study the cellular basis for auditory information processing and synaptic organization of auditory brainstem. Use axonal transport, EM autoradiography, EM immunocytochemistry, electrophysiology, and intracellular staining. Participate in high tech program to use image processing and 3-D computer graphic in neuroanatomy. Ph.D. in neurobiology or equivalent required plus experience in neuroanatomy, EM, or neurophysiology. Salary at NIH levels. To apply, send curriculum vitae and references to: Dr. Douglas L. Oliver, Department of Anatomy, University of Connecticut Health Center, Farmington, CT 06032. Deadline: 5 May 1989. An Affirmative Action/Equal Opportunity Employer M/W/H.

POSTDOCTORAL POSITION to study enzymology and genetics of human nucleotide excision repair. Experience in nucleic acids, cloning and/or enzyme purification is required. Dr. Azis Sancar, University of North Carolina, Department of Biochemistry, CB#7260, Chapel Hill, NC 27599-7260. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION to study the reaction mechanism of DNA Photolyase. The enzyme contains DAD and folic acid carriers and persons with experience with flavo-enzyme or folic acid biology are preferred. Biology is essential. Dr. Azis Sancar, University of North Carolina, Department of Biochemistry, CB#7260, Chapel Hill, NC 27599-7260. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION: Immediate opening to study transcription of plant genes using in vitro plant systems. Applicant should have knowledge and/or experience in either protein chemistry, in vitro systems or plants. Salary competitive. Send curriculum vitae, a brief description of research experience, copies of publications and name and address of three references by 28 April 1989 to: Dr. Steven Ackerman, Department of Biology, University of Massachusetts, Boston, MA 02125. Telephone: 617-929-1247. An Affirmative Action/Equal Opportunity: Title IX Employer.

POSTDOCTORAL POSITION IN CELLULAR AND MOLECULAR PHARMACOLOGY

Position is available to study mechanisms of coupling of muscarinic receptors to second messenger systems including phosphoinositides, cyclic nucleotides and calcium signaling in addition to cloning novel muscarinic receptors and determination of the level of muscarinic receptor mRNA upon different pharmacological manipulations. Please send curriculum vitae and names of three references by 28 April 1989 to: Dr. Esam E. El-Fakihany, Department of Pharmacology and Toxicology, University of Maryland School of Medicine, 20 North Pine Street, Baltimore, MD 21201. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION IN MOLECULAR PARASITOLOGY

Available immediately for studies on the mechanisms of action of several antimalarial drugs, including recently recognized in this laboratory as the prototype of a new class of anti-malarial agents. A strong background in biochemistry and enzymology, with some knowledge of molecular genetics is required. Further details are available and candidate should send curriculum vitae and names of three referees to: Professor Richard M. Frankl

Bacteriology—University of Basel
Klingelbergstrasse 70
CH 4056 Basel/Switzerland

POSTDOCTORAL POSITION NEUROPHYSIOLOGY

Applications are invited for a postdoctoral position concerning projects on ion-selective microelectrode studies of in vivo neural activity. Applicants should have a background in neurophysiology and experience with electrophysiological recording. Salary will be on NIH levels. To apply, send curriculum vitae and names of three references to: Dr. Joseph H. Saper, Laboratory of Human Neurophysiology, National Institute of Neurological Disorders and Stroke, Building 10, Room 10N32, Bethesda, MD 20892. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Three postdoctoral positions available immediately in the Laboratory of Viral Diseases, NIAID, Dr. Bernard Moss, Laboratory Chief. Studies include (i) biosynthesis, assembly, and transport of HIV proteins using monoclonal antibodies [Dr. Jonathan Yewdell, see Cell 52, 843 (1988)], and (ii) CD4/gp120 interactions and the design of CD4-based targeted AIDS therapeutics [Dr. Edward Berger, see Nature, 335, 369 (1988)]. Experience in hybridoma technology, protein chemistry, genetic engineering, or HIV virology preferred but not required. Starting salary competitive. Curriculum vitae and four letters of reference to: Dr. Jonathan Yewdell, NIAID, Building II, 12441 Parklawn Drive Rockville, MD 20852 or Dr. Edward Berger, NIAID, Building 4, Room 232 9000 Rockville Pike Bethesda, MD 20892 NIH is an Equal Opportunity Employer.

PRODUCT MANAGER

Promega Corporation, headquartered in Madison, Wisconsin, and a leading manufacturer of molecular biological products for research and industrial scientists, is seeking a talented individual for the position of product manager. Major responsibilities include advertising and promotion of current products as well as assistance in the identification of new products and product line extensions to Promega’s product line. This position will be responsible for competitive comparisons, sales aids, trade show planning and coordination, product line pricing and forecasts, as well as profit and loss monitoring by product, and OEM purchase and sales of products in the Research Products Division. In addition, the position will be responsible for orders management and customer service duties. The Product Manager will be responsible for direct sales and technical support for Promega line of products, trade shows, key accounts, and sales at the headquarters.

Requirements include an M.S. degree or equivalent in a related field with a minimum of 3 years of industrial experience in a product management role. Extensive travel is required.

Promega offers a competitive salary, comprehensive benefits, a strong company and technical environment in which to apply your professional skills. All information will be kept in strict confidence. To apply, forward a resume and reference to:

Promega Corporation Human Resources/PM
2800 South Fish Hatchery Road Madison, WI 53711-5508

Promega Corporation is an Equal Opportunity Employer.

RESEARCH ASSISTANT—BIOCHEMISTRY

Studies are aimed at understanding protein and nucleic acid structure, function, action and interaction with drugs and other ligands. Techniques include UV, fluorescence and circular dichroism as well as 1D and 2D NMR. Previous experience with nucleic acids is preferred. Send curriculum vitae, references and names of three referees by 28 April 1989 to: Dr. H. Shafer, Department of Pharmaceutical Chemistry, Box 0446, University of California, San Francisco, CA 94143. UC SF is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION—PHYSIOLOGICAL NMR

A position is available immediately in the Biomedical NMR Center of the University of Arizona for Medical Sciences (UAMS). The ideal candidate should have a Ph.D. in a basic science and previous experience in physiological applications of NMR. The laboratory has a GN-300WB high resolution NMR, and liberal access to a Sigma MRI system with spectropscopy. The laboratory has a fully equipped clinical research and imaging of the spinal cord system and in vitro. Period is 1 year, renewable by mutual agreement. Salary is $25,000. Individuals should send resume and names of three references to: Dr. Hugh McCourt, NMR Laboratory, Slot 582, UAMS, 4301 West Markham, Little Rock, AR 72205.

POSTDOCTORAL/RESEARCH ASSOCIATE position available to study RNA Processing in animal cells and virusses. Background in biochemistry, molecular biology or molecular virology required. Experience in recombinant DNA technology desirable. Salary negotiable. Send resume with two names for references to: Dr. Mary Edmonds, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA 15260. Equal Opportunity/Affirmative Action Employer.

DANA-FARBER CANCER INSTITUTE

AND

HARVARD SCHOOL OF PUBLIC HEALTH

PROFESSOR OF EPIDEMIOLOGY

The above institutions are seeking a Professor of Epidemiology. The successful applicant will have an administrative appointment as Director of the Division of Cancer Epidemiology and Control at the Dana-Farber Cancer Institute and an academic appointment in the Department of Epidemiology at the Harvard School of Public Health. Applicants must have a minimum of one academic degree plus training and extensive experience in cancer epidemiology or a closely related field. Clinical training in epidemiology and/or experience in community outreach activities is desirable. Responsibilities of the Division Director include conduct of a research program relating to the causes and prevention of cancer as well as application of the results of this research to the community. Responsibilities at the Harvard School of Public Health include teaching and supervision of graduate students. Qualified minority and female applicants are encouraged to apply. Harvard University and the Dana-Farber Cancer Institute are Affirmative Action/Equal Opportunity Employers. Applicants should submit a complete curriculum vitae and the names of at least five references to:

Ann R. Oliver
Assistant Dean for Faculty Affairs
Harvard School of Public Health
677 Huntington Avenue
Boston, MA 02115

RESEARCH ASSISTANT—BIOCHEMISTRY

Studies are aimed at understanding protein and nucleic acid structure, function, action and interaction with drugs and other ligands. Techniques include UV, fluorescence and circular dichroism as well as 1D and 2D NMR. Previous experience with nucleic acids is preferred. Send curriculum vitae, references and names of three referees by 28 April 1989 to: Dr. H. Shafer, Department of Pharmaceutical Chemistry, Box 0446, University of California, San Francisco, CA 94143. UC SF is an Equal Opportunity/Affirmative Action Employer.
The Bausch & Lomb Personal Products Division is seeking a creative individual to help maintain its position as the technological leader in the OTC eye care and lens care market. Our current opening is ideal for a highly motivated scientist interested in joining our multi-disciplinary research and development team at our multi-million dollar R&D facility in Rochester, New York.

The ideal candidate will possess a PhD in Bioanalytical Chemistry (or equivalent) with 0-2 years industrial experience. The position requires a strong background in Biochemistry and separation technology (HPLC, GC, gel electrophoresis). Responsibilities will include the development and application of assay methods for product support and R&D programs. Strong communication and supervisory skills are necessary.

We offer significant potential for professional career growth, along with a competitive salary, benefits and relocation package. For confidential consideration, please send your resume with salary history, in confidence, to: Ms. Marilyn Catlin, Sr. Human Resource Representative, Bausch & Lomb, Personal Products Division, 1400 N. Goodman St., Rochester, NY 14692.

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POSITIONS OPEN

REPRODUCTIVE/TERATOLOGY MANAGER—Microbiological Associates has an immediate opportunity in our Bethesda, Maryland, facility. The position will require the continuing development of our "in-house" capabilities and the direction and supervision of the entire program. We seek a Ph.D. with at least 5 years of "hands on" experience conducting general animal teratology and reproduction studies primarily for submission to government agencies. Join us to continue to build on our 40-year commitment to high quality science. For immediate consideration, send your résumé to:
Microbiological Associates Inc.
8820 Democracy Blvd.
Rockville, MD 20850
Equal Opportunity Employer M/F/H/V.

Oregon Health Sciences University, Division of Neurosurgery is recruiting a RESEARCH SCIENTIST to assist with the development of a neurophsiology laboratory. Candidates must have experience in electrophysiology and somatosensory systems including primary afferent fibers and dorsal horn neurons. Appointment will be at the level of assistant professor with a joint appointment in an appropriate basic science department. Send applications to: Kim J. Burchiel, M.D., Professor and Head, Division of Neurosurgery, Oregon Health Sciences University, 3181 SW Sam Jackson Park Road, Portland, OR 97201.

Women and minorities are encouraged to apply. OHSU is an Equal Opportunity/Affirmative Action Employer.

SCIENCE ENDED CHAIR

Incarnate Word College (IWC) invites nominations and applications for the newly endowed chair in science. Earned doctorate, proven record of excellence in teaching in biology or a related field and research experience required. Review of applications begins 15 March 1989.

Application materials should be submitted to: Search Committee, Chair in Science, Incarnate Word College, 4531 Broadway, San Antonio, TX 78209. Applications from women and minorities are encouraged. IWC is an Equal Opportunity/Affirmative Action Employer.

SENIOR CHEMIST

Responsibilities include supervising the research and development of new inks and related materials in connection with the company's ink projects; characterizing and defining suitable inks for commercial applications; and setting up analytical quality control methods. Responsible for the work of three chemists. An applicant should have a Master's degree in chemistry with a concentration in either inorganic or physical chemistry and either 2 years of experience as a senior chemist or 5 years of experience in physical or inorganic chemistry.

Also required is a strong background and experience in organic chemistry, including dye and solvent chemistry, a strong background and experience in analytical chemistry, including HPLC, GC, FTIR, UV-VIS, AA, fluorescent, colorimetric, and IEC, and a strong background and experience in surface chemistry and solution chemistry. Salary range: $47,000 to $55,000 per year. Send resume to: Job Service Technical Unit, Connecticut Department of Labor, 200 Foley Brook Boulevard, Wethersfield, CT 06109. Refer to job order #3042864. An Equal Opportunity Employer.

POSITIONS OPEN

DIRECTORATE FOR SCIENCE AND ENGINEERING EDUCATION (SEE)

NATIONAL SCIENCE FOUNDATION (NSF)

SENIOR-LEVEL POSITION OPPORTUNITIES at Division Director, Section Head and Program Director levels are anticipated on both an immediate and future basis. NSF encourages applications from outstanding individuals with credentials in science and engineering education and significant administrative experience. See includes the following major program activities: Teacher Preparation and Enhancement; Materials Development, Research and Informal Science Education; Undergraduate Science, Mathematics and Engineering Education; Early Academic Career Development; and Studies and Program Assessment. Appointment opportunities include permanent or temporary federal employment or appointment under the Internagovernmental Personnel Act (IPA). Federal salaries range from approximately $50,000 to $75,000 depending on position level and salary history. IPA assignments will retain university salary and benefits. Those interested are encouraged to submit a résumé and letter indicating areas of interest, salary requirements, and availability dates. For appointments starting in the 1989 to 1990 academic year, applications should be submitted by 1 May 1989 to: Margaret Cademotora, National Science Foundation, Division of Personnel and Management, Room 2128, 1800 G Street, NW, Washington, DC 20550. Ms. Cademotora may be reached on 202-357-7601 (hearing-impaired individuals may call: TDD 202-357-7492) for questions or additional information about the SEE Directorate.

Equal Opportunity Employer

University of California, Los Angeles (UCLA) Urology Division seeks Board-certified UROLOGIST with expertise in research to facilitate urology father positions. Requirements: proven ability to organize clinical training; ability to collaborate in immunology research; experience in reconstructive and pediatric urology; excellent communication skills. The UCLA Division of Urology, Los Angeles, CA 90024-1738. UCLA is an Equal Opportunity/Affirmative Action Employer.

VISITING ASSISTANT PROFESSOR DEPARTMENT OF BIOLOGICAL SCIENCES THE UNIVERSITY OF TEXAS

At El Paso

We are seeking applicants for a non tenure-track position. Will be responsible for teaching general biology and general microbiology during semester of 1989 to 1990. Will be expected to interact on a research level with faculty whose expertise lie in immunology, parasitology, and toxicology. Ph.D. is required and postdoctoral research experience is preferred. Salary: $26,000. Deadline for applications is 15 June 1989. Send curriculum vitae, a brief statement of three references to: Dr. Eppie D. Racl, The University of Texas at El Paso, Department of Biological Sciences, El Paso, TX 79968-5619. The University is an Equal Employment Opportunity/Affirmative Action Employer.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS IN NEUROENDOCRINOLOGY AND STRESS:

NEUROENDOCRINOLOGY AND GASTROINTESTINAL ULCERATION

The Hans Selye Symposium on Neuroendocrinology and Stress" will be held every 2 years and are devoted to specific topics in fields related to neuroendocrinology and stress. The next meeting will be devoted to the neuroendocrine aspects of gastrointestinal (GI) ulceration. The format of the meeting will be that of symposia where following two or three invited lectures, brief presentations will be scheduled from selected submitted abstracts. The topics to be covered are the neuroendocrine control of gastrointestinal secretion, GI motility, GI mucocirculation, gastric and duodenal ulceration, ulcerative colitis, as well as central peripheral neuroendocrine factors in ulcer disease, growth factors and immunology as related to mechanisms of GI ulceration. Deadline for submission of abstracts is 1 May 1989 and for registration to participate without abstract presentation is 15 August 1989. The abstracts will be published in Digestive Diseases and Sciences. Registration material and abstract forms can be obtained from: Joyce M. Fried, Brain Research Institute, University of California, Center for the Health Sciences, Los Angeles, CA 90024-7161. Telephone: 213-825-5061, FAX: 213-206-5855.

The Standing Committee of the Hans Selye Foundation: Mark Cantin (Montreal), Louise Drevet-Selye (Montreal), Sander Staabo, coordinating chairperson for this meeting (Boston) and Yvette Taché (Los Angeles).

FELLOWSHIPS

LUPUS RESEARCH SCHOLAR AWARD PROGRAM

Terri Gonthelf Lupus Research Institute invites applications and nominations for scholarships available 1 July 1990. The purpose of this program is to support research training at the postdoctoral level in various aspects of clinical and experimental systemic lupus erythematosus research. Candidates with a Ph.D. or M.D. degree, having U.S. citizenship or residence are eligible to apply. Lupus Research Scholarships will be awarded to a scientist in whose laboratory the proposed research will be conducted. The award is for a period of 3 years, in the amount of $90,000. The deadline for filing is 15 August 1989. Information and specific application requirements are available upon written request only from:

Terri Gonthelf Lupus Research Institute
50 Washington Street
South Norfolk, CT 06854

CONFERENCES

HANS SELYE SYMPOSIUM ON NEUROENDOCRINOLOGY AND STRESS: NEUROENDOCRINOLOGY AND GASTROINTESTINAL ULCERATION

13 to 15 September 1989
Estrel (Near Montreal), Quebec, Canada

The "Hans Selye Symposium on Neuroendocrinology and Stress" are held every 2 to 3 years and are devoted to specific topics in fields related to neuroendocrinology and stress. The next meeting will be devoted to the neuroendocrine aspects of gastrointestinal (GI) ulceration. The format of the meeting will be that of symposia where following two or three invited lectures, brief presentations will be scheduled from selected submitted abstracts. The topics to be covered are the neuroendocrine control of gastrointestinal secretion, GI motility, GI mucocirculation, gastric and duodenal ulceration, ulcerative colitis, as well as central peripheral neuroendocrine factors in ulcer disease, growth factors and immunology as related to mechanisms of GI ulceration. Deadline for submission of abstracts is 1 May 1989 and for registration to participate without abstract presentation is 15 August 1989. The abstracts will be published in Digestive Diseases and Sciences. Registration material and abstract forms can be obtained from: Joyce M. Fried, Brain Research Institute, University of California, Center for the Health Sciences, Los Angeles, CA 90024-7161. Telephone: 213-825-5061, FAX: 213-206-5855.

The Standing Committee of the Hans Selye Foundation: Mark Cantin (Montreal), Louise Drevet-Selye (Montreal), Sander Staabo, coordinating chairperson for this meeting (Boston) and Yvette Taché (Los Angeles).

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SCIENCE, VOL. 244
The Committee of Management of The Institute of Cancer Research has decided to appoint a new senior management team. Led by the Chief Executive, the team will include two new posts for Directors of Research. Applications are now invited for the post of Chief Executive in succession to the present Director, Professor Weiss.

The Chief Executive will be accountable to the Committee of Management and will carry overall responsibility for all management and research. In addition, he or she will play a key role in the selection, appointment and integration of the new senior management team.

The position provides an outstanding opportunity to lead the Institute, with the collaboration of the internationally recognised Royal Marsden Hospital and a national charity, the Cancer Research Campaign, into further advances in cancer research. Suitable applicants must be qualified in, and have substantial management experience of, clinical and/or scientific research.

The responsibilities encompassing all aspects of the management of a major scientific institution will be recognised in the salary and conditions of service.

The Committee of Management reserves the right to appoint to the post by invitation.

Applications, enclosing a cv, and enquiries should be sent, in confidence, to Sir Kenneth Stowe GCB, CVO, Chairman of the Institute, 17a Onslow Gardens, London SW7 3AL. Fax: 01-225 2574. Further information may be obtained from the Institute’s Acting Secretary at the above address.

The Institute, together with The Royal Marsden Hospital, constitutes the largest comprehensive cancer centre in the UK. The Institute, a charity which employs some 500 people and has an annual budget of £15m, is a constituent of the British Postgraduate Medical Federation of the University of London. Its main source of funding is the Cancer Research Campaign, a national charity with which the Institute’s work is closely linked. The Royal Marsden Hospital is a Special Health Authority with 380 beds and a heavy and varied caseload.

The Institute’s extensive programme of multidisciplinary research, conducted in the context of the Hospital’s clinical practice and the Campaign’s nationally co-ordinated research effort, is enacted in laboratories alongside and within The Royal Marsden Hospital on two sites. Having recently completed the refurbishment of the Institute’s Chester Beatty Laboratories, Chelsea, we are presently considering a major building and development programme for our laboratories at Sutton.
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