POSITIONS OPEN

NEUROBIOLOGIST
Department of Anesthesiology
University of Maryland School of Medicine

Applications are invited for a tenure-track ASSISTANT- or ASSOCIATE PROFESSOR position in the Department of Anesthesiology. We offer space, seed money, and a competitive salary commensurate with experience and rank. Candidates with an M.D. and/or Ph.D. are sought having imaging and research experience in cell and molecular neurobiology with special interest in electrophysiological methods coupled with recombinant DNA techniques. The individual will hold a secondary appointment in the Department of Pharmacology and Experimental Therapeutics and will participate in graduate and postgraduate medical training programs. There are excellent institutional programs in molecular and cell biology, membrane biology, and cellular and integrative neuroscience that provide opportunities for collaborative research. Applications accepted through August 15, 1994. Send curriculum vitae, a summary of research experience and goals, and three letters of reference to: Jane M. Matexo, Ph.D., Professor and Chairman, Department of Anesthesiology, University of Maryland, 22 South Greene Street, Baltimore, MD 21201; or Dr. E. E. Albuquerque, Chairman, Department of Pharmacology Experimental Therapeutics, University of Maryland School of Medicine, 655 West Baltimore Street, Baltimore, MD 21201. The University of Maryland is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR
LABORATORY FOR CANCER RESEARCH

A tenure-track position is available in the Laboratory for Cancer Research, College of Pharmacy, at Rutgers, the State University of New Jersey. Candidates with outstanding research and teaching abilities are desired. Although applicants in all areas of cancer research will be considered, research areas of particular interest include mutagenesis, DNA synthesis and repair, genomic instability, and enzymes of carcinogenesis. Members of the department have strong interests in the areas of chemoprevention of cancer, mutagenesis, chemical carcinogenesis, and function and interactions of a DNA virus with cellular targets, molecular mechanisms of cell differentiation, and growth factor/receptor roles. Applicants should include curriculum vitae, three recent research papers, three letters of recommendation, and a summary of current research activities and future research plans. Please send applications to: Dr. Allan H. Cowley, Jr., Director, Laboratory for Cancer Research, College of Pharmacy, Rutgers University, P.O. Box 789, Piscataway, NJ 08855-0789. An Affirmative Action/Equal Opportunity Employer.

HIV Immunologist/Virologist. A faculty position at the ASSISTANT or ASSOCIATE PROFESSOR level is available for an MD/Ph.D. interested in human immune response to HIV vaccines and the pathogenesis of HIV infections. This individual will direct an established immunology laboratory providing support for NIH-funded AIDS Vaccine Evaluation and AIDS Clinical Trials Units. In addition, he/she will be expected to develop an independent research program directed towards investigation of correlates of immunity to HIV. Send curriculum vitae to: Dr. Richard Richie, Box 689, University of Rochester School of Medicine, 601 Elmwood Avenue, Rochester, NY 14642-8602. The University is an Equal Opportunity/Affirmative Action Employer.

ORGANISMAL BIOLOGIST

Princeton University invites applications for a tenure-track assistant professor position in ORGANISMAL BIOLOGY in the Department of Ecology and Evolutionary Biology. We are interested in receiving applications from scientists who are taking a strong program of laboratory research complementing field studies. Areas of special interest to the department include the interaction of physiology and biomechanics with ecology, behavior, and evolution, the role of food chains and food webs, and commitment to teaching and research. A statement of research and teaching interests, three letters of recommendation, and a curriculum vitae should be sent to: Dr. Stephen W. Pacala, Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ 08544-1000. Applications must be submitted by October 1, 1994. Princeton University is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

The Division of Renal Diseases and Hypertension, Department of Medicine, University of Colorado Health Sciences Center, is seeking a faculty member at the ASSISTANT PROFESSOR (research track) level. Applicants should have a Doctorate degree or equivalent and postdoctoral training in Biochemical Pharmacology, Molecular Biology, Cell Biology, or related disciplines. Knowledge of receptor pharmacology, signal transduction mechanisms, and/or endocytosis as applied to the renal or vascular systems will be particularly attractive. The successful candidate will be expected to expand 50% effort in collaboration with ongoing research in the division. Salary will be dependent on qualifications. This position will be available October 1, 1994.

Send curriculum vitae, letters of reference, and a statement of interest as soon as possible and no later than October 1, 1994, to: Dr. Sturt L. Lasn, M.D., University of Colorado Health Sciences Center, Box 2821, 200 East 9th Avenue, Denver, CO 80262. Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN AIDS RESEARCH

The Department of Microbiology and Immunology of the University of Oklahoma Health Sciences Center invites applications for a senior-level tenure-track position with a preferred interest in the areas of AIDS research. Rank will depend on the qualifications of the successful applicant and will be either the ASSOCIATE or FULL PROFESSOR level. The applicant should have documented excellence in conducting independent research and obtaining extramural research support. Academic responsibilities will include instruction of medical, dental, and graduate students.

The position will provide excellent opportunities for conducting basic biomedical research in a department of 13 faculty members with a strong emphasis in the molecular genetics and immunology of infectious agents. Please send curriculum vitae, a brief statement of research interest, copies of representative publications and the names of three references to: Dr. Frank Waxman Department of Microbiology and Immunology University of Oklahoma Health Sciences Center P.O. Box 26001 Oklahoma City, OK 73190

The University of Oklahoma Health Sciences Center is an Equal Opportunity/Affirmative Action Employer.

The Department of Physiology at Nova Southeastern University invites applications for a full-time ASSISTANT PROFESSOR position. Candidates must have a doctorate degree in physiology and a commitment to excellence in teaching. Please send curriculum vitae and list of three references to: Dr. J. H. Lyons, Ph.D., Department of Physiology, Nova Southeastern University, 1750 NE 167th Street, North Miami Beach, FL 33162.

ASSISTANT/ASSOCIATE PROFESSOR
DEPARTMENT OF GENETICS
HARVARD MEDICAL SCHOOL

The Department of Genetics invites applicants for the position of Assistant/Associate Professor. While qualifications for the position include a strong potential for imaginative research in any area of contemporary genetics, individuals whose work is broadly relevant to human biology and medicine are particularly encouraged to apply. The successful candidate will be nominated for an appointment with the Howard Hughes Medical Institute Genetics Unit located within the Department.

This position offers very significant scholarly and scientific resources as well as the opportunity to teach medical students and fellows with strong interests in genetic research.

Applicants should submit, as soon as possible, but prior to October 1, 1994, curriculum vitae, bibliography, a brief statement of research interests, and three letters of recommendation. Applications should be directed to: Dr. Philip Leder, Chairman Department will host Harvard Medical School 200 Longwood Avenue Boston, MA 02115

Harvard University is an Equal Opportunity/Affirmative Action Employer and encourages the application of qualified women and minorities.
Several positions available in Drug Metabolism and Disposition Research

For more than a century, scientists at Eli Lilly and Company have been developing novel, high quality pharmaceuticals. With current yearly investment approaching one billion dollars in research and development programs, our continued success requires the finest talent available.

To further build our research capabilities, we are seeking innovative, self-motivated BS/MS and Ph.D. scientists to plan, organize, and manage programs in the area of pre-clinical and clinical drug metabolism and disposition. Successful Ph.D. senior scientist candidates will establish a laboratory program utilizing basic and applied approaches to study the disposition and metabolism of drug candidates, both small molecules and therapeutic proteins. Successful BS/MS scientists will work collaboratively with the senior investigators to develop analytical methods for compounds in biological samples and to study the transformation of the drugs in biological systems.

Applicants must have a BS, MS, or Ph.D. (postdoctoral experience is an asset) in biochemical pharmacology, biochemistry, medicinal chemistry, analytical chemistry, pharmacy or related field. A strong background in pharmacokinetics, pharmacological mechanisms related to drug disposition and chromatographic analysis is preferred. Experience with mass spectrometry, trace analysis, and a general knowledge of organic chemistry is required for one of the BS/MS positions. Experience in enzymology or cell culture techniques is required for another of the BS/MS positions. Excellent communication and organizational skills are required for all positions.

Eli Lilly and Company offers a competitive compensation package and a highly professional environment. For prompt consideration, please forward your resume to: Eli Lilly and Company, Scientific Recruitment, Dept. DMDSC, Lilly Corporate Center, Indianapolis, IN 46285

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

The Division of Allergy and Infectious Diseases at the University of Washington is recruiting a full-time faculty member at the ASSISTANT/ASSOCIATE PROFESSOR level. This position has extensive opportunities for research in the laboratory, with a focus on the development of new diagnostic and therapeutic approaches. The candidate must have a Ph.D. or an M.D. and a strong research background in molecular immunology, virology, or microbiology. The position is open to candidates with experience in basic science or clinical research. Please send curriculum vitae and three letters of reference to: Dr. Matthew L. Mann, Department of Immunology, University of Washington, Seattle, WA 98195. The University of Washington is an Affirmative Action/Equal Opportunity Employer.

The University of Pennsylvania Medical Center invites applications for an Associate Professor position in the Department of Medical Genetics. The candidate must have a strong research background in molecular genetics and a commitment to teaching. The position is open to candidates with a Ph.D. or an M.D. Please send curriculum vitae and three letters of reference to: Dr. William J. Sturm, Department of Medical Genetics, University of Pennsylvania Medical Center, Philadelphia, PA 19104-6088.

The UNIVERSITY OF PENNSYLVANIA is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ENVIRONMENTAL TOXICOLOGIST

The Department of Environmental Health Sciences, University of Alabama at Birmingham, invites applications at the ASSISTANT/ASSOCIATE PROFESSOR level. The position is open to candidates with a Ph.D. in toxicology or a related field. The successful candidate will have opportunities for research and teaching in the area of environmental toxicology. Please send curriculum vitae and three letters of reference to: Dr. James W. Leppelmeier, Department of Environmental Health Sciences, University of Alabama at Birmingham, Birmingham, AL 35294. The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer.

The University of Washington invites applications for a faculty position at the ASSISTANT or ASSOCIATE PROFESSOR level. The position is open to candidates with a Ph.D. in toxicology or a related field. The successful candidate will have opportunities for research and teaching in the area of environmental toxicology. Please send curriculum vitae and three letters of reference to: Dr. James W. Leppelmeier, Department of Environmental Health Sciences, University of Alabama at Birmingham, Birmingham, AL 35294. The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer.

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

Boston University School of Medicine is seeking to fill a position of a

DIRECTOR OF A TRANSGENIC MICE FACILITY

The facility is equipped with the newest technology, all located in new Biomedical Research Building. Experience with transgenic mice and preferably also with embryonic stem cells is required. A very competitive salary, excellent opportunities for promotion and academic appointments are available. Interested candidates should send curriculum vitae to: Dr. Katya Ravid and Jerome Brody, Biochemistry K225, Boston University School of Medicine, 801 Comm Ave, Boston, MA 02218. Affirmative Action/Equal Opportunity Employer.

DIRECTOR, UCR/UCLA PROGRAM IN BIOMEDICAL SCIENCES

Responsibility for the leadership and educational activities of the Division of Biomedical Sciences at UCR. Duties include leadership and active participation in the research activities of the Divisional faculty at UCR and the Ph.D. program in Biomedical Sciences; supervision of an accelerated 7-year educational program leading to the B.S. degree from UCR and the M.D. degree from the UCLA School of Medicine; serving as Chairperson of the Division; and curriculum vitae to: Dr. Kamal P. Patel, Director, Division of Biomedical Sciences, University of California, Riverside, CA 92521-0121.

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

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POSITIONS OPEN

ANIMAL PHYSIOLOGIST CARLETON COLLEGE

Applications are invited for a one-year position beginning September 1, 1994, at the rank of ASSISTANT PROFESSOR in the Department of Biology. Teaching responsibilities include a course in animal physiology, a seminar or course in an area of special interest, and participation in laboratory instruction for introductory courses. Ph.D. preferred—ABD considered. Women and minority candidates are strongly encouraged to apply. Send application, curriculum vitae, undergraduate and graduate transcripts, a statement of teaching philosophy, a summary of research plans, and three letters of reference to: G. E. Wagenbach, Department of Biology, Carleton College, Northfield, MN 55057-0258, by July 1, 1994. Carleton College is an Equal Opportunity/Affirmative Action Employer.

DEPARTMENT HEAD—BIOLOGICALS

Senior Scientist (M.S., Ph.D. preferred) wanted for position of Department Head of Biologicals. This position is for a company that develops and manufactures biological products. Candidates must have demonstrated laboratory expertise (5 to 10 years) in several of the following areas: cell culture and virus production, development of monoclonal and polyclonal antibodies, protein purification, ELISA technology, and gene expression systems. In addition, candidates should have supervisory/management experience and the ability to handle multiple projects. Competitive salary (commensurate with experience) and fringe benefits of the curriculum vitae and three references to: Box 51, Science Classified Advertising, 1333 H Street, N.W., Room 814, Washington, DC 20005. Equal Opportunity Employer.

ASSOCIATE DIRECTOR OF Virology for a Biotechnology company that develops custom research services. The company is located in a GCN and neuroectodermal tissue, as well as training and experience in autologous and allogeneic bone marrow transplantation. The start date for this position is July 1, 1994. Applicants must submit curriculum vitae, summary of research plans and three letters of reference by August 15, 1994, to: Gordon D. Ginder, M.D., Professor of Medicine, Director, Division of Medical Oncology, Box 286 UMC, University of Minnesota, Minneapolis, MN 55455. Telephone: (612) 624-7915. The University of Minnesota is an Equal Opportunity Educator and Employer.

FACULTY POSITIONS—The Division of Rheumatology of the Albert Einstein College of Medicine invites applications for academic faculty positions combining molecular and cellular immunology and rheumatology. Positions are available at all levels. Candidates must have independent research programs and should be interested in collaborations that will make use of the unique characteristics of thebasic research interests and the names of at least three references to: Dr. Betty Diamond, Division of Rheumatology, Albert Einstein College of Medicine, 1303 Morris Park Avenue, Bronx, NY 10461. An Equal Opportunity Employer.

© 1994 The Albert Einstein College of Medicine

POSITIONS OPEN

DIRECTOR, UCR/UCLA PROGRAM IN BIOMEDICAL SCIENCES

Helping to establish a new Biomedical Research Building. Experience with transgenic mice and preferably also with embryonic stem cells is required. A very competitive salary, excellent opportunities for promotion and academic appointments are available. Interested candidates should send curriculum vitae to: Dr. Katya Ravid and Jerome Brody, Biochemistry K225, Boston University School of Medicine, 801 Comm Ave, Boston, MA 02218. Affirmative Action/Equal Opportunity Employer.

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

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

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© 1994 The Albert Einstein College of Medicine

POSITIONS OPEN

DIRECTOR, UCR/UCLA PROGRAM IN BIOMEDICAL SCIENCES

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University of Tsukuba invites applications for seven new Professors to lead innovative research in Tsukuba Science City

University of Tsukuba is now establishing a new research institution, the Tsukuba Advanced Research Alliance (TARA) Center, and wishes to appoint professors to conduct and coordinate frontier research. The function of TARA will be to stimulate interdisciplinary research in the following fields by integrating research in the University of Tsukuba with other public and private institutions. By the creation of research forums within TARA, we intend to catalyse and induce cross-fertilization to contribute to the global advancement of knowledge.

i) Biological Sciences
Research on fields such as gene regulation, cell-cell interaction, morphogenesis, molecular and cellular biology of signal transduction, integrative neural functions, and apoptosis.

ii) Material Sciences
Studies on electronic and optoelectronic properties in superlattices, quantum wires and dots, and other nanostructures, including exploitation of nanoscale technology and exploration of intriguing materials.

iii) Information Management through the Multimedia
Research on hardware, software and networks, and the role of the multimedia in and with the information society.

iv) Human Beings in the Ecosystem
Scientific, technological and philosophical research on human interactions in the environment.

v) Liaison, Research Management, Intellectual Property and Technology Transfer
Development and promotion of interdisciplinary research by cooperation among universities, public and private institutions at national and international level.

English speaking ability is required. Appointments will be made independent of sex, belief, race or nationality. Salary will be in line with the regulations set out for Faculty of a Japanese National University, with retirement at 63 years. Subsidised housing is generally available to University staff. Tsukuba Science City is located 60 km North-East of Tokyo in an attractive environment.

Further information is available upon request. Applications, including curriculum vitae, reprints of representative work, addresses of three referees, should be postmarked before 31 August, 1994 to:

Mr. H. Saito, Administrative Manager
TARA Office, University of Tsukuba,
Tsukuba Science City, 305 Japan
Fax: +81-298-53-6074
POSITIONS OPEN

DIRECTOR

The Hawaiian Sugar Planters’ Association seeks a Director for its Experiment Station, located in Aiea, Hawaii, near Honolulu, on the island of Oahu. The position involves the total administrative, scientific, and educational effort of the Experiment Station and directs 20 scientists and 80 support staff. Research is conducted on sugarcane, coffee, forestry, pineapple, and horticultural crops in agronomy, plant breeding, genetics, physiology, pathology, entomology, environmental sciences, and insect and disease control. Applicants must be distinguished scientists with demonstrated research and teaching skills and the ability to direct large-scale and applied research projects. Applicants are encouraged to apply immediately and carry on their position in the area of research. The position requires a Ph.D., M.D., or other academic degree with a strong background in molecular biology or related field. The position is available immediately.

HAMPTON UNIVERSITY

Invites applications and nominations for the position of VICE PRESIDENT FOR ADMINISTRATIVE AFFAIRS.

The position involves the total administrative, scientific, and educational effort of the Experiment Station and directs 20 scientists and 80 support staff. Research is conducted on sugarcane, coffee, forestry, pineapple, and horticultural crops in agronomy, plant breeding, genetics, physiology, pathology, entomology, environmental sciences, and insect and disease control. Applicants must be distinguished scientists with demonstrated research and teaching skills and the ability to direct large-scale and applied research projects. Applicants are encouraged to apply immediately and carry on their position in the area of research. The position requires a Ph.D., M.D., or other academic degree with a strong background in molecular biology or related field. The position is available immediately.

HAMPTON UNIVERSITY

Invites applications and nominations for the position of ASSISTANT VICE PRESIDENT for CAMPUS SERVICES.

The position involves the total administrative, scientific, and educational effort of the Experiment Station and directs 20 scientists and 80 support staff. Research is conducted on sugarcane, coffee, forestry, pineapple, and horticultural crops in agronomy, plant breeding, genetics, physiology, pathology, entomology, environmental sciences, and insect and disease control. Applicants must be distinguished scientists with demonstrated research and teaching skills and the ability to direct large-scale and applied research projects. Applicants are encouraged to apply immediately and carry on their position in the area of research. The position requires a Ph.D., M.D., or other academic degree with a strong background in molecular biology or related field. The position is available immediately.

HAMPTON UNIVERSITY

Invites applications and nominations for the position of ASSISTANT VICE PRESIDENT for ADVISORY COUNCIL.

The position involves the total administrative, scientific, and educational effort of the Experiment Station and directs 20 scientists and 80 support staff. Research is conducted on sugarcane, coffee, forestry, pineapple, and horticultural crops in agronomy, plant breeding, genetics, physiology, pathology, entomology, environmental sciences, and insect and disease control. Applicants must be distinguished scientists with demonstrated research and teaching skills and the ability to direct large-scale and applied research projects. Applicants are encouraged to apply immediately and carry on their position in the area of research. The position requires a Ph.D., M.D., or other academic degree with a strong background in molecular biology or related field. The position is available immediately.

HAMPTON UNIVERSITY

Invites applications and nominations for the position of ASSISTANT VICE PRESIDENT for FACILITIES MANAGEMENT.

The position involves the total administrative, scientific, and educational effort of the Experiment Station and directs 20 scientists and 80 support staff. Research is conducted on sugarcane, coffee, forestry, pineapple, and horticultural crops in agronomy, plant breeding, genetics, physiology, pathology, entomology, environmental sciences, and insect and disease control. Applicants must be distinguished scientists with demonstrated research and teaching skills and the ability to direct large-scale and applied research projects. Applicants are encouraged to apply immediately and carry on their position in the area of research. The position requires a Ph.D., M.D., or other academic degree with a strong background in molecular biology or related field. The position is available immediately.

HAMPTON UNIVERSITY

Invites applications and nominations for the position of ASSISTANT VICE PRESIDENT for INFORMATION TECHNOLOGY.

The position involves the total administrative, scientific, and educational effort of the Experiment Station and directs 20 scientists and 80 support staff. Research is conducted on sugarcane, coffee, forestry, pineapple, and horticultural crops in agronomy, plant breeding, genetics, physiology, pathology, entomology, environmental sciences, and insect and disease control. Applicants must be distinguished scientists with demonstrated research and teaching skills and the ability to direct large-scale and applied research projects. Applicants are encouraged to apply immediately and carry on their position in the area of research. The position requires a Ph.D., M.D., or other academic degree with a strong background in molecular biology or related field. The position is available immediately.
The U.S.-Israel Binational Science Foundation (BSF) was established in 1972 to support cooperative science research projects between U.S. and Israeli scientists. Research projects are funded from the interest on an endowment established in equal shares by the two Governments. The office of the BSF is in Jerusalem.

This 1972 agreement signed by the two Governments and the Board regulations state:

(a) "The Executive Director shall be the chief executive officer of the Foundation. He shall be responsible for the operations and staffing of the Foundation. He shall set in accordance with the policies, directives and delegations of the Board."

(b) "The Executive Director shall be a person of outstanding ability, prominent in the scientific and administration field. He shall be appointed by the Board of Governors under a contract not exceeding three years with such compensation and under such terms and conditions as may be determined by the Board of Governors."

The candidate for Executive Director must be well acquainted with the Israeli and U.S. academic research systems, and the usual proposal review procedures.

Curriculum vitae and letters of interest should be submitted by July 15 in the following manner:

U.S. applicants should send their material to
Dr. Claude Lenfant, Director
National Heart, Lung, and Blood Institute
National Institutes of Health
Bethesda, Maryland 20892 U.S.A.

Israeli applicants should send their material to
Mr. Amnon Einar, Chief Scientist
Ministry of Energy and Infrastructure
234 Jaffa Road
Jerusalem, ISRAEL

Applicants should be able to assume BSF responsibilities as soon as possible, but no later than January 1, 1995.

U.S.-ISRAEL SCIENCE FOUNDATION
EXECUTIVE DIRECTOR

The Institute of Haematology, a statutory component of the University Paris VII located on the SAINT-LOUIS University Hospital Campus in Paris, develops Interdisciplinary research programs in haematology, oncology, immunology, virology and genetics. The Institute of Haematology includes INSERM, CNRS, CEA and academic research groups. The SAINT-LOUIS HOSPITAL includes 800 beds with specialized medical teams notably devoted to the treatment of haematological, immunological and cancer disorders and to organ transplantation. The SAINT-LOUIS HOSPITAL is also an "Assistance Publique - Hôpitaux de Paris" centre for the treatment of AIDS and one of its major priorities is research in human genetics. A Clinical Investigation Centre (phase I clinical studies) will be founded on the campus in 1994.

The Institute would be happy to welcome one or several research groups interested in the basic research themes developed on the campus and their clinical applications. A surface of 200-600 m² will be available to these new research teams.

Candidate research groups are invited to send a proposal comprising a description of their scientific profile, their areas of interest and the results they have obtained, and the scientific interactions they would like to develop within the Institute to Professor Laurent DEGOS, Director of the Institute of Haematology, SAINT-LOUIS Hospital, 1 avenue Claude Vellefaux, 75010 Paris, France before October 1, 1994.

All applications will be submitted to evaluation between October and December 1994 by the Institute's Scientific Committee presided over by Professor François SIGAUX.
POSTDOCTORAL POSITIONS available to candidates with experience in quantitative studies of gene expression or calcium imaging to study the regulation of voltage-dependent calcium channels by kinases, particularly protein kinase C (PKC). We are also studying the role of PKC in increased expression of L-type calcium channels during chronic exposure to alcohol and identifying calcium-dependent channel subtypes that are regulated. Additional studies involve regulation of other calcium channels by PKC and alcohol. Annual salary is $26,500 and $30,000 and includes health insurance. Send curriculum vitae, summary of research experience, and names of references to: Dr. Robert O. Messing, University of California, Department of Neurological Surgery, Building 1 Room 101, 1001 Potrero Avenue, San Francisco, CA 94110. An Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available to study the biological roles of malarial proteases and immune responses to protease-like malarial antigens. Experience with molecular biology, protein chemistry, and/or immunology is required. Experience with heterologous protein expression and/or structure-function studies is desired. Please send curriculum vitae and the names and addresses of two references to: Richard A. Hodin, M.D., Department of Surgery, Beth Israel Hospital, Harvard Medical School, 330 Brookline Avenue, Boston, MA 02215. Affective Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available to candidates with experience in signal transduction or regulation of gene expression. Opportunities include the characterization of novel signaling proteins and identification of transcriptional mechanisms regulating ethanol-responsive gene expression in neural cells. Annual salary is $26,500 to $30,000 and includes health insurance. Send curriculum vitae, summary of research experience, and names of references to: Dr. Michael Miles, University of California, Department of Neurology, Building 1 Room 101, 1001 Potrero Avenue, San Francisco, CA 94110. An Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available to study neuronal signal transduction at the molecular level in a diversified group of individuals taking a multidisciplinary approach to understanding neural signal transduction. The laboratory is well equipped with resources to pursue many different avenues of research focused on neuronal signal transduction. Research areas include structural biology using crystallography/microscopy, molecular and cell biology, and chemistry. Research interests focus on understanding the structure and function of G-protein coupled membrane receptors involved in signal transduction and neurotransmitters that alter signal transduction. Applicants must have a Ph.D. in biochemistry, biophysics, molecular biology, or a related field. Send resume and three references by July 15, 1994, to: Professor Raymond Stevens, Department of Chemistry, University of California, Berkeley, CA 94720. The University of California is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE

A position is available for a scientist interested in studying synaptic signal transduction mechanisms in the Locomotor Control Research Institute. The Institute offers outstanding facilities and opportunities for both collaborative and independent work in a supportive environment. This position requires experience in neuroscience, cell biology, molecular biology, pharmacology or biochemistry. Candidates should send curriculum vitae and two letters of reference to: Dr. Robert S. Johnson, Director, Guthrie Research Institute, Guthrie Square, Sayre, PA 18840.

POSTDOCTORAL FELLOW

Molecular Oncology Program

Position available to conduct studies on the molecular basis of cellular resistance to cytotoxic drugs. Experience in molecular biology preferred. Please send curriculum vitae and two letters of reference to: Gary Knud, Ph.D., 610 Human Resources Department, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer, M/F.

INTERNATIONAL FELLOWSHIP

The Dan Charitable Trust Fund for Research in Biological Sciences provides financial support for collaborative research between Japan and other countries or participation in conferences or workshops held in Japan or other countries. A total of 6 fellowships (1- or 3-month duration) will be awarded every year. Applications for fellowships must be submitted to the address below on or before 31st March, 1994. For more information, write: Kiyoi Yamachchi, The Dan Charitable Trust Fund for Research in the Biological Sciences, Nippon Telegraph & Telephone Chuo, Tokyo 103, Japan. FAX: (03) 3271-2843.

POSTDOCTORAL FELLOWSHIPS

Departments of Molecular and Cellular Biology and Organic and Evolutionary Biology, Harvard University. A limited number of postdoctoral research positions become available each year. Salaries are funded through research grants awarded to faculty members and are ordinarily for 1 year, sometimes renewable; other appointments are possible through postdoctoral fellowship programs. Members of the above departments may have postdoctoral positions available, write to the respective department office (do not send applications): Molecular and Cellular Biology, 7 Divinity Avenue, Cambridge, MA 02138; Organicism and Evolutionary Biology, 26 Oxford Street, Cambridge, MA 02138. Harvard University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL/ASSOCIATE RESEARCH SCIENTIST

Position available to study molecular aspects of radiation resistance and radiation-induced apoptosis in cell cycle progression in yeast and mammalian systems. Candidate should have a Ph.D. in molecular biology or a related field. Experience with recombinant DNA and yeast preferred but not essential. Send curriculum vitae and names of three references to: Dr. Howard B. Lieberman, Center for Radiation Biology, Columbia University College of Physicians and Surgeons, 630 West 168 Street, New York, NY 10032. We are an Equal Opportunity/Affirmative Action Employer.

3 POSTDOCTORAL RESEARCH ASSOCIATES. One position is open to study the expression of lipoygenases (particularly the 12-lipoxygenase) in tumor cells with and without drug treatment and the role and mechanism of its promoter activity. Another position is available to clone a novel eicosanoid receptor. A third position is sought to study the role of iron metabolism, iron stress, iron metabolism, and iron genetic expression. Submit curriculum vitae and three professional references to: Personnel Manager, 101 Waukegan Road, Suite 970, Lake Bluff, IL 60044. (Northern lakeside suburb of Chicago.)
Postdoctoral Positions in Immunology and Molecular Biology

Postdoctoral positions are available for (a) an immunologist to study cellular immune responses to novel recombinant anticancer vaccines, both in experimental systems and in clinical trials, and (b) a molecular biologist to develop novel recombinant imunoglobulin forms and novel recombinant vaccines. Two to three years relevant previous postdoctoral experience desired. Salary range is from $28,000 to $40,000 commensurate with experience desired.

To apply, please send curriculum vitae and reference letters to:

Dr. Jeffrey Schlam, NIH/NCI, Laboratory of Tumor Immunology and Biology, Bldg. 10, Rm 8807, 9000 Rockville Pike, Bethesda, MD, 20892.

Telephone: 301-496-4343
FAX: 301-496-2756.

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The University of Geneva (SWITZERLAND)
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Is seeking qualified candidates for a position of

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The teaching and research activities of this network will be carried out by members of the departments of medicine, surgery, pathology, physiology and pediatrics. The future head of this network will simultaneously occupy a professorial position in the department of medicine or physiology, according to his/her training and main interests.

For application, please send your curriculum vitae to:

Office of the Dean
Faculty of Medicine
Centre Medical Universitaire
Rue Michel-servet 1
CH - 1211 Geneva 4

Additional information can be obtained on request.
LIMNO-GEOPHYSICS AND GEOCHEMISTRY

The UNIVERSITY OF MINNESOTA has established as part of its institution-wide lake studies initiative the LARGE LAKES OBSERVATORY (LLO) on its Duluth Campus located on the shore of Lake Superior. The mission of the LLO is to use an integrated systems approach to study large lakes of the world. Six new tenure-track positions will be filled in the next five years in the physical marine/lake sciences. The LLO invites applications for two positions to be filled in the 1994-1995 academic year at the Assistant or Associate Professor level. A significant record of research, publication, and external funding will be required for appointment at the Associate Professor level.

The first opening is for Limno-geophysics with emphasis on application or marine seismic reflection or other acoustic methods of mapping large lake basins. The second opening is for Limno-geochemistry either with emphasis on the dating of sediments using short-lived radionuclides or in the investigation of the water column and sediments using stable isotopes.

For both positions, demonstrated expertise in the acquisition and analysis of data is required. Candidates are expected to establish field oriented research programs with strong analytical capabilities. Candidates should hold Ph.D.'s in oceanography, the geosciences or a related field.

The appointments will be split between the LLO and the Geology Department at the Duluth Campus, where the tenure-line will reside. A commitment to teaching at the graduate and undergraduate levels is required. The teaching load will be commensurate with the departmental portion of the appointment.

The mission of LLO is global, and candidates will be encouraged to apply their expertise not only to the North American Great Lakes but to large lakes world-wide. Research is currently in progress on several of the large lakes of the East African Rift Valley, Russia, the U.S., and Canada.

Send a statement of research and teaching interests, curriculum vitae, and names, addresses and phone numbers of at least three references by August 1, 1994, to Prof. Thomas C. Johnson, Director, Large Lakes Observatory, Department of Geology, University of Minnesota, Duluth, MN 55812. Prospective candidates with questions about the position may contact Tom Johnson (in France until July 1) by telephone at (33) 91 26 96 49, fax at (33) 91 26 66 38 or by e-mail at 100332.2171@CompuServe.COM.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

UNIVERSITY OF MINNESOTA
Duluth, Minnesota 55812

ASSOCIATE DEAN/Staff Associate
College of Natural Sciences & Mathematics

The College of Natural Sciences & Mathematics has a culture of academic excellence, achieved by partnership between a vigorous faculty and students committed to maximizing their opportunities for success. We are expanding our interdisciplinary approaches in both research and teaching, and are positioned to play a leadership role in technology-supported instruction. The College's funded research is growing, as are our interactions with industry. A new position has been developed to provide wide-ranging administrative support to the Dean. The Associate Dean will work with faculty, and with agencies and constituencies outside the University to coordinate the College's outreach activities, to discover sources and obtain funding for multidisciplinary activities, and to maintain information about the College for both decision making and public relations. We seek candidates with strong communication skills, experience in managing complex activities, sufficient scientific background to understand the College's work and to present scientific information to diverse audiences, and facility in working with standard database systems. Doctoral degree preferred, but bachelor's or master's degree accepted with appropriate experience. The salary is competitive, and commensurate with qualifications and experience.

The University of Minnesota is in a scenic rural setting in the Superior National Forest, 4 miles from Duluth, the county seat. Duluth is on the shores of Lake Superior, has a college population of 150,000, and is surrounded by seven state parks on the North Shore.

Send a letter describing your interest in this opportunity, your resume, and 3 letters of reference to: Search 35026, Employment Office, 167 Whitmore Administration Bldg., University of Minnesota, Duluth, MN 55812, 11005-1970. Review of applications will begin June 24, 1994 and continue until position is filled.

The University of Minnesota, Duluth, is an Affirmative Action/Equal Opportunity Employer.
Biogen is a dynamic young biotechnology company principally engaged in developing genetically engineered human pharmaceuticals. Now in our 16th year, we are one of the few profitable biotech companies in the U.S. Revenues come from five products — including Intron (R) A alpha interferon and hepatitis B vaccines and diagnostics — sold throughout the world by licensees or affiliates. Current research is directed toward the discovery and development of proprietary products to treat inflammation, cardiovascular disease, AIDS and certain cancers.

Senior Process Scientist - Assays
This hands-on process scientist will provide technical leadership, project and laboratory management in the area of general assays. Primary responsibilities involve independently developing new general assay methods for quantitating decomposition products, process contaminants, process intermediates and raw materials. Methods for these procedures will include gel electrophoresis, ELISAs, colorimetric assays and bioassays. Additional responsibilities entail directing, planning and implementing method development, validation, technology transfer and troubleshooting. Candidates must have a PhD in Chemistry or Biochemistry, 5 years' industrial process development/qulaity control experience, and knowledge of GMPS. A thorough understanding of biochemical methods, analysis of protein binding and kinetics, as well as the validation of analytical methods involving protein chemistry is required. Bioassay experience and 2-5 years' post-doctoral research in related area is desirable.

Senior Process Scientist - Chromatography
This is an ideal opportunity for a motivated scientist to provide technical leadership, project and laboratory management in the area of analytical chromatographic methods. In this capacity, you will develop new chromatographic methods for the purpose of quantitating decomposition products, process contaminants, process intermediates and raw materials. Specific methods will include all forms of HPLC, capillary electrophoresis, amino acid analysis, protein sequencing, peptide mapping and mass spectroscopy. Additionally, the individual will direct, plan and document method development, validation, technology transfer and troubleshooting related to chromatographic methods. Candidates must have a PhD in Chemistry or Biochemistry, 5 years' industrial process development/qulaity control experience and knowledge of GMPS. Strong chromatography, spectroscopy, computer, lab automation, statistical analysis and experimental design skills are essential. 2-5 years' post-doctoral research in related area is desirable.

Senior Process Scientist - Protein Purification
As a critical member of our Process Development group, you will provide scientific expertise in the area of protein chemistry, protein purification and biochemistry. Primary responsibilities involve the development and refinement of methods of recombinant protein purification for use in human clinical trials; developing/executing validation studies; as well as providing effective technical leadership, training and supervision to the development team. Candidates must have a PhD in Biochemistry or Chemistry and a minimum 5 years' industry experience in a supervisory capacity. Knowledge of GMPS related to biologicals.

Process Associate - Protein Purification
This is an ideal opportunity for a proven scientist to participate in the design, development and optimization of recombinant protein purification methods for use in human clinical trials and commercial production. You will also participate in the design and execution of validation studies which support the regulatory filings from our Process Development group. Candidates for this position must have a BS/MS in Chemistry, Biochemistry, Biology or related area and a minimum 4 years' industrial protein purification experience, preferably in a process development group. The ideal applicant will also have a strong understanding of GMPS related to Biologicals and excellent laboratory skills.

Biogen offers what few companies in our industry can - Professional Challenge, Stability, Profitability, and Growth. In addition, our compensation and benefits package is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, you have an opportunity to join us now. Please forward your resume to Joe Mini, Dept.-SCI, Biogen Inc., 14 Cambridge Center, Cambridge, MA 02142, FAX: (617) 252-9595. Biogen is an Equal Opportunity Employer.
**NIH POSTDOCTORAL POSITION**

Postdoctoral position for US citizen or permanent resident, starting Oct. 1, 1994, in Sect. on Connective Tissue Disorders, NICHD. Lab studies molecular biology or heritable disorders of bone matrix, esp. osteogenesis imperfecta. Major projects include antisense suppression, generating murine model non-lethal OI, & molecular biol and biochem of OI osteoblasts. Broad knowledge of molecular & biochemical techniques desired. Send resume and three references to Dr. J. Marini, Bldg. 10; Rm 9S242, 9000 Rockville Pike, Bethesda, MD 20892. NICHD is an equal opportunity employer.

**CLINICAL LABORATORY DIRECTOR**

The Clinical Laboratories of The Blood Center of Southeastern Wisconsin, providing a range of specialized laboratory services, seeks to recruit a qualified scientist to develop and direct a clinical laboratory specializing in molecular diagnostics. Ph.D. or M.D. with a strong background in molecular biology, genetics, or oncology certification or eligibility and previous experience in establishing a clinical diagnostic laboratory strongly preferred. Ability to communicate effectively is essential. Qualified applicants should send a curriculum vitae and the names and addresses of three references to Debra Endean, Ph.D., Vice President, Clinical Laboratories, The Blood Center of Southeastern Wisconsin, 1701 West Wisconsin Avenue, Milwaukee, WI 53233.

**DIRECTOR: MOLECULAR DIAGNOSTICS**

The Clinical Laboratories of The Blood Center of Southeastern Wisconsin, providing a range of specialized laboratory services, seeks to recruit a qualified scientist to develop and direct a clinical laboratory specializing in molecular diagnostics. Ph.D. or M.D. with a strong background in molecular biology, genetics, or oncology certification or eligibility and previous experience in establishing a clinical diagnostic laboratory strongly preferred. Ability to communicate effectively is essential. Qualified applicants should send a curriculum vitae and the names and addresses of three references to Debra Endean, Ph.D., Vice President, Clinical Laboratories, The Blood Center of Southeastern Wisconsin, 1701 West Wisconsin Avenue, Milwaukee, WI 53233.

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University of California, Davis

National Science Foundation sponsored Science and Technology Center has several postdoctoral positions available immediately.

We are seeking highly qualified applicants experienced in biochemistry, molecular biology, molecular genetics, biophysics, and cell biology to study basic mechanisms involved in pathogen recognition and plant response to infection. Research projects include biochemical and molecular characterization of signal transduction mediated events leading to plant cell death, development and applications of advanced cloning technologies, analysis of infection-specific macromolecular interactions by *in vivo* surrogate systems, and development of transient gene expression systems in plants based on virus replicons.

Candidates must have a record of research experience documenting outstanding accomplishment and promise.

Letters of application are to include curriculum vitae, bibliography, statement of research interest and names of three references. Applications should be sent to Sharon Berg, CEPRAP, University of California, Davis, CA 95616. The positions are available until filled. The University of California is an equal opportunity/affirmative action employer.

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**Miles Inc.**

Miles Inc. seeks a Senior/Principal Staff Scientist to lead company-wide efforts towards virus inactivation in biological and biotechnology products. This will involve exploration and development of new techniques in-house and collaboration with external agencies and organizations. The Senior/Principal Staff Scientist will lead a group of 6 people (2 Ph.D.'s and 3 Associates) in GLP based clearance/inactivation studies to support licensing of new products. The group will evaluate feasibility of new cell culture based infectivity and PCR assays.

A Ph.D. in a relevant science and significant experience and expertise in classical virology of human viruses is required, along with substantial supervisory experience.

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

Human Resources
Miles Inc.
P.O. Box 1986
Berkeley, CA 94701

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ARIAD, a fast-growing biopharmaceutical company located in Cambridge, MA, combines the most recent advances in molecular cell biology with the sophisticated tools of structure-based drug design to develop a new class of pharmaceuticals. The Company is developing small molecules which selectively target intracellular communication pathways to alter the course of disease. We are seeking highly motivated and qualified scientists to contribute to our exciting research and development programs.

**ASSOCIATE RESEARCH SCIENTIST**

PROTEIN BIOCHEMISTRY/CRYSTALLOGRAPHY

In this position you will be responsible for protein characterization and crystallization. A strong background in protein purification and analysis is required. Candidates must have experience in standard chromatography, HPLC/FFLC, and gel electrophoresis. Previous experience in crystallization of proteins is highly desirable. A BS or MS degree in biochemistry or chemistry and 2+ years of laboratory experience required. Dept. MH

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**Senior Research Scientists**

PRECLINICAL DEVELOPMENT

We are currently searching for qualified individuals in the areas of pharmacology, pharmacokinetics and drug metabolism to join the Company's Preclinical Development Group. The successful individuals will be responsible for supporting the development of innovative pharmaceutical products which act by controlling intracellular signal transduction, gene transcription and protein trafficking. The positions will involve extensive interactions with the Company's chemists and biologists in evaluating and studying lead compounds. Applicants should have a Ph.D. and 3 to 5 years of relevant academic or industrial experience. Excellent oral and written communication skills are required.

**Pharmacology** — Applicants should have a Ph.D. in pharmacology, physiology or related area and have research experience in immunity, inflammation or pulmonary disease. Responsibilities will include developing appropriate in vivo models. Experience in small and large animal surgery is required.

**Pharmacokinetics** — Applicants should have a Ph.D. in pharmacology, chemistry or related area and have experience in determining pharmacokinetic profiles of drugs following a variety of routes of administration. Experience with proteins or peptides will be beneficial.

**Drug Metabolism** — Applicants should have a Ph.D. in a relevant pharmaceutical science and have experience in performing in vivo drug metabolism studies in several animal species. Experience in mass spectroscopy for quantitation of drug molecules in biological fluids is required.

For the above senior research positions, please respond to Department 1.

ARIAD offers an excellent salary and benefits package, incentive stock participation and the opportunity to contribute to a new and exciting area of drug discovery. Interested individuals should send a resume and the names of three references to ARIAD Pharmaceuticals, Inc., Human Resources Office, Dept. 1

26 Landsdowne Street, Cambridge, MA 02139.

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transcription factors, Cys-Rich enzymes • Mathematical modeling
Microcirculation • Signal transduction mechanisms

Theodore Kotchen, MD - Salt
sensitivity in African Americans;
hypertension and insulin
resistance.
Jane Kotchen, MD - Hypertension
control in African American
communities.
Ahmed Kissebah, MD - Obesity,
insulin dynamics and progression
to NIDDM.
Allen Cowley, PhD - Renal and vas-
cular physiology - from genes to
integrated organ system analysis.
Richard Roman, PhD - Renal vas-
cular physiology; molecular genetics
in hypertension.
William Campbell, PhD - Regulation of vascular tone
and steroid secretion by endothelium-
derived mediators.
Julian Lombard, PhD - Structure and function of the
microcirculation.
Andrew Greene, PhD -
Mechanisms of vascular growth
and rarefaction.
Bruce Markham, PhD - Cardiovascular
transcriptional regulatory mechanisms.
David Harder, PhD - Vascular muscle
signal transduction, ion channels,
molecular biology of lipida
d mediators.
Owen Griffith, PhD - Nitric oxide
synthases; chemical mechanisms
and isoform-selective inhibitors.
Garret Gross, PhD - Role of ATP-
sensitive K+ channels in ischemia.
Nancy Rusch, PhD - Vascular mus-
cle ion channels in hypertension.
David Warltier, PhD - Coronary
collateral circulation; ventricular
diastolic function.
Zeljko Bosnjak, PhD - Actions of
anesthetics on ion channels in
cardiac and smooth muscle.
Kirkwood Pritchard, PhD - LDL;
monocyte adhesion to endothelium.

Contact Dr. David R. Harder, Director, CVRC
Medical College of Wisconsin - 8791 Watertown Plank Road
Milwaukee, WI 53226 - (414) 456-5611 - Fax (414) 266-8712
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FACULTY POSITIONS AVAILABLE
UNIVERSITY OF NEBRASKA MEDICAL CENTER
Department of Biochemistry and Molecular Biology
The Department of Biochemistry and Molecular Biology at the University of Nebraska Medical Center invites applications for tenure-leading positions made available as part of a planned expansion and enhancement of current research programs. Preference will be given to candidates employing biochemical, structural and/or molecular biology approaches to investigate fundamental processes in the following areas:
1) Tissue-specific gene expression
2) Cell cycle and/or apoptosis
3) Post-receptor events in signal transduction
4) Tissue or tumor targeting of DNA and development of tissue-
specific viral vectors.

Outstanding applicants in related areas of research are also encouraged to apply. Although it is expected that most appointments will be at the rank of ASSISTANT or ASSOCIATE PROFESSOR, appointments at the rank of PROFESSOR will be considered depending on research experience and background. Qualifications include a Ph.D. or M.D. degree and relevant postdoctoral experience. The successful applicant will be expected to have or develop a funded, independent research program and to contribute significantly to the teaching programs of the department.

Applications should provide curriculum vitae, selected reprints, a brief description of current and future research interests and teaching experience and the names, addresses and telephone numbers of three references:
Dr. J.K. Vishwanatha, Chair
Biochemistry and Molecular Biology Search Committee
University of Nebraska Medical Center
600 South 42nd Street
Omaha, NE 68198-4525

Applications review will begin July 10 and continue until the positions are filled. UNMC is an Equal Opportunity/Affirmative Action Employer. Minorities and Women are Encouraged to Apply.

DIRECTOR
LAWRENCE LIVERMORE NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA
LIVERMORE, CALIFORNIA

The President and The Regents of the University of California invite nominations and applications for the position of Director of the Lawrence Livermore National Laboratory (LLNL) which is managed by the University of California for the U.S. Department of Energy (DOE). The appointment will be effective at such time as is mutually agreeable to the appointee and the University of California. The Laboratory was established in 1952 and is located 40 miles southeast of San Francisco in Livermore, California. It is one of three multipurpose laboratories managed and operated by the University under contract with the DOE.

The largest program at LLNL is research related to the design and development of nuclear weapons, with other programs in magnetically and inertially confined fusion, laser/mirror separation, nuclear energy and fossil energy research, conservation and renewable energy, waste management and environmental restoration, and biological and biomedical sciences research. Extensive research in the disciplines is conducted in support of the programs, including experimental and theoretical physics, computational science, chemistry, materials science, and engineering. The Laboratory also performs the important function of fostering the rapid and effective transfer of unclassified research and technology to the private sector, in order to enhance the nation's economic competitiveness. Also, the Laboratory offers programs fostering science and engineering education, including encouraging students at various levels to pursue careers in mathematics and science.

The Director is responsible for the management of the Laboratory and reports to the President of the University. Within University policy, the Director exercises broad delegated powers in the overall administration of the Laboratory, which employs approximately 7,300 staff members and has an annual operating budget over $982 million. The principal duty of the Director is the management of the Laboratory's programs. This includes defining their technical aspects, negotiating their size and content with federal officials in the executive branch, and executing them with the highest quality. In addition to this programmatic role, the Director is responsible for the institutional health of the Laboratory through stewardship of its human and physical resources. Candidates should have demonstrated administrative experience in the conduct of the affairs of substantial organizations and should have an extensive record of scientific and technical accomplishments.

Applications, accompanied by current resumes, and nominations may be addressed to:

The President
Attn: LLNL Search
300 Lakeside Drive
University of California
Oakland, California 94612-3550

and should be received no later than July 18, 1994, to be given full consideration.

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

FACULTY POSITIONS
DEPARTMENT OF MATERIALS SCIENCE
AND ENGINEERING
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

The Department of Materials Science and Engineering at the University of Illinois at Urbana-Champaign invites applications for regular, full- or part-time tenure-track and/or tenured faculty positions. To be considered for a tenured position, the applicant must have recognized national and international stature. The Department of Materials Science and Engineering does teaching and research in ceramics, electronic materials, metals and polymers. Successful candidates must have a strong record of accomplishment in one or more of these areas and will be expected to perform well in both teaching and research activities.

Applications must hold an earned Doctorate in an appropriate field. Salary and rank are open and will depend on qualifications. The proposed starting date for each position is August 21, 1995. All interested applicants are asked to provide a professional curriculum vitae including teaching experience and a list of publications. Candidates for tenure-track positions should also require that letters of reference be sent directly to the department and, in addition, submit a one (1) page outline of their proposed research programs. Candidates for tenured positions should include the names, addresses and telephone numbers of at least three (3) references. To ensure full consideration, applications must be received prior to August 31, 1994.

Applications should be addressed to:

Chair, Faculty Search Committee
Department of Materials Sciences and Engineering
1304 W. Green Street
Urbana, Illinois 61801
(217) 333-1440

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The candidate should possess the following qualifications:

EDUCATION: Ph.D. in Plant Breeding with experience in canola breeding preferred

EXPERIENCE: 3-5 years experience in canola breeding. The candidate should have experience in managing people. Good organizational, communication, statistical and computer data skills are also required.

Please submit resumes only by June 30 to:

Rose Nelmes, C.H.R.P.
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Wyeth-Ayerst Research, a Division of Fortune 100 American Home Products Corporation, has an opportunity at our Princeton, New Jersey research facility for a Pharmacologist to function as a part of a multidisciplinary team in the Cardiovascular and Diabetes Division.

Responsibilities include performing in vivo studies using cystometric and urodynamic techniques to investigate bladder function and to develop new models/methods.

Requirements include a BS/MS degree in a biological discipline with up to 5 years related experience, which must include acute and chronic in vivo techniques and the use of physiological transducers and recorders. Experience in in vivo studies on bladder function using urodynamic techniques is a plus. Candidate must have computer experience with spreadsheet, graphic and word processing programs.

Wyeth-Ayerst offers an excellent compensation and benefits package in a highly professional environment. Send your resume with salary requirements to: Wyeth-Ayerst Research, Human Resources, CN 8000, Position #SCS-700, Princeton, NJ 08543-8000. An Equal Opportunity Employer M/F/D/V.

To: SmithKline Beecham Pharmaceuticals, Sr. Employment Administrator, #M115, PO Box 799, Conshohocken, PA 19428. We are an Equal Opportunity Employer, M/F/D/V.

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RPI

Biochemists - Ph.D. and MS/BS

Ribozyme Pharmaceuticals is leader in the development of ribozyme-based pharmaceutical and agricultural products. We are seeking qualified applicants to join our Enzymology group. Two positions are available immediately; one at the level of Ph.D. with 2+ years of post doctoral experience, and the other at the level of Master's degree or equivalent (B.S. with 2-4 years research experience). Applicants should have experience in vector construction, RNA biochemistry and/or enzyme kinetics. Research experience with ribozymes or antisense is preferred. The successful applicant will be instrumental in helping RPI to define the biochemical and kinetic parameters that will transform ribozymes into potent human therapeutic agents.

We offer a competitive salary and benefits package, including stock options. For consideration, please send a Curriculum Vitae including the names of three references to: Ribozyme Pharmaceuticals, Inc., Attn: Dr. James McSwiggen, 2950 Wilderness Place, Boulder, CO 80301, or FAX to (303)449-6995. We are an Equal Opportunity Employer.
POSITIONS OPEN

RESEARCH ASSOCIATE or JUNIOR-LEVEL FACULTY MEMBER specializing in cardiovascular physiology will be involved in studies of leukocyte function and adhesion, applying molecular biology techniques to the whole lung. Candidates should send a letter, curriculum vitae, and list of 3 references to: Dr. Joseph W. Barnard, Search Committee Chair, Department of Pharmacology, Lung and Vascular Biology Center, Rush Medical College, Suite 260, Tech 2000, 2242 West Harrison, Chicago, IL 60612. Rush Medical College is an Equal Opportunity/Affirmative Action Employer.

RESEARCH SCIENTIST

Position is immediately available to study the structure-function relationship of IL-1 receptors type I and II. Specific requirements include strong background in molecular biology, including cDNA cloning and sequencing, vector construction, point mutations and PCR. Send résumé, names and addresses of three references and salary requirements to: David Benjamin, M.D., 1232 James Cancer Hospital and Research Institute, The Ohio State University Hospitals, 300 West 10th Avenue, Columbus, OH 43210-1228. Telephone: (614) 293-3716, FAX: (614) 293-3112.

CENTER FOR BLOOD RESEARCH, HARVARD MEDICAL SCHOOL AFFILIATE

A position of INVESTIGATOR at the Center for Blood Research Laboratories with an academic appointment at Harvard Medical School is available starting September 1, 1994. The main tasks of the selected applicant would be the installation and operation of a laboratory for the visualization of structures, concentrations and molecular transport processes in single living cells, to work in the Blood Research and Development Laboratory (Dr. C. Nicolau). The candidate (M.D. or Ph.D.) blending physical with biological and medical interests, should be an established leader in the development and application of novel light microscopic techniques. Special expertise in membrane biophysics, intracellular transport and signal transduction is an advantage.

Interested persons, please send application, curriculum vitae, list of publications and the names of three referees to: Dr. Fred S. Rosen, President of Center for Blood Research, 800 Huntington Avenue, Boston, MA 02115.

ANNOUNCEMENTS

PRE-PROPOSALS—Deadline: 1 August 1994. International Foundation for Ethical Research (IFER) has grants available for research into alternatives to the use of live animals in research, testing and teaching. Projects must take into account the three Rs: Replacement, Reduction, and Replacement plus a fourth R: Responsibility. For information and format write: IFER, 53 West Jackson Boulevard, Department J, Chicago, IL 60604; or call: 312-427-6025.

MEETINGS

Association de Recherche pour le Traitement des Séroportifs (ARTS) Hôpital Laennec, Université de Paris V First International Symposium on CELLULAR APPROACHES TO THE CONTROL OF HIV DISEASE Paris, July 11–12, 1994 Organizers: Jean-Marie Andrieu, Wei Lu, Philippe Cramer Topics:

1. Immune activation and pathogenesis of HIV infection
2. Activation-induced apoptosis in the immune system and HIV disease
3. Mediators of T-cell/macrophage activation, apoptosis, and HIV replication
4. Therapeutic implications

Abstracts (one-page A4) are welcome by FAX (+33 1 4222-0384 or +33 1 4439-6465). Registration: all information can be obtained from Stéph/IVH, 8 rue Severo, 75014 Paris; Telephone: +33 1 4542-8374, FAX: +33 1 4044-5257.

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