**POSITIONS OPEN**

**SIGNAL TRANSMISSION CORNELL UNIVERSITY**

Applications are invited for the position of ASSISTANT PROFESSOR of Pharmacology at the College of Veterinary Medicine, Cornell University. Candidates using molecular approaches in any area of signal transmission may be considered. Responsibilities include teaching and research in the development of a new graduate student program in association with our NIH training grant in Biophysical and Biochemical Pharmacology. Applicants must have a Ph.D. or equivalent degree and experience in area of research. Applications will be reviewed until the position is filled. Mailing address: Department of Pharmacology, College of Veterinary Medicine, Cornell University, Ithaca, NY 14853-6401. Fax: 607-253-3659. Additional information can be obtained via Email by contacting Dr. Marge McKinney, at mmf1@cornell.edu or through Gopher: zoom.vet.cornell.edu. Cornell University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are strongly urged to apply.

**MOLECULAR BIOLOGIST**

Baylor College of Medicine, Department of Otorhinolaryngology and Communicative Sciences, One Baylor Plaza, Houston, TX 77030. Baylor College of Medicine is an Equal Opportunity/Affirmative Action Employer and encourages women, minorities, and persons with disabilities to apply.

**BUCKLELL UNIVERSITY ASSISTANT PROFESSOR OF BIOLOGY**

Two temporary one-year sabbatical replacement positions are available immediately. Candidates must have a Ph.D. and be able to work independently. The position is open to all areas of biology. Applicants should submit a letter of application, vita, and three letters of recommendation to: Dr. Wayne McDuffie, Chair, Department of Biology, Bucknell University, Lewisburg, PA 17837.

**BIOMEDICAL ENGINEERING FACULTY POSITION**

Rice University invites applications for a tenure-track appointment as ASSISTANT PROFESSOR of biomedical engineering. The faculty will be expected to establish an independent, externally funded research program in bioengineering and/or molecular biology. Applicants must have a Ph.D. and be expected to establish an independent, externally funded research program in bioengineering and/or molecular biology. Candidates will be expected to establish an independent, externally funded research program in bioengineering and/or molecular biology. Applicants should submit a curriculum vitae, a description of research plans, and at least three letters of recommendation to: Chemical Engineering Search Committee, Department of Chemical Engineering, Rice University, MS 121, Houston, TX 77005. Rice University is an Equal Opportunity/Affirmative Action Employer, women and minorities are strongly encouraged to apply.

**POSITIONS OPEN**

**ASSISTANT OR ASSOCIATE PROFESSOR Biochemistry/Molecular Biology**

The Department of Biological Sciences at the University of North Texas, located in the Dallas/Fort Worth metropolitan area, invites applications for a tenure-track faculty position at the rank of ASSISTANT or ASSOCIATE PROFESSOR. Candidates must have a Ph.D. and relevant postdoctoral experience, and will be expected to establish an independent, externally funded research program in biochemistry and/or molecular biology. Candidates will be expected to establish an independent, externally funded research program in biochemistry and/or molecular biology. Applications are encouraged from all areas of biochemistry and molecular biology. The University of North Texas is committed to a policy of Affirmative Action/Affirmative Opportunity that encourages applications from women, members of minority groups, persons with disabilities, and American Indians. The University is an Equal Opportunity Employer.

**RANGELAND SCIENTIST**

ASSOCIATE/FULL PROFESSOR, tenure-track, 12-month split appointment (50/50) between the Department of Environmental and Resource Sciences and the School of Veterinary Medicine. Ph.D. in Rangeland Ecology/Management or closely related discipline (must have at least one degree in range science); significant experience in conflict resolution; a familiarity with public and private land issues; teaching experience; demonstrated ability to effectively work in interdisciplinary teams; and a record of publication and extramural funding. Position will be integral part of the development and implementation of the University of Nevada, Reno Center for Sustainable Agreements, a multidisciplinary approach to merging the biological and social sciences to achieve goals of sustainable resource management. Applicants will begin on April 15, 1995, and continue until the position is filled. Send letter of application, curriculum vitae, copies of pertinent publications, and three letters of reference to: Dr. G. Fred Girfford (Telephone: 702-784-4020) or Don Hanks (Telephone: 702-784-6135), University of Nevada, Reno, Environmental and Resource Sciences (MS 186), 1000 Valley Road, Reno, NV 89512. An Affirmative Action/Equal Opportunity Employer. University of Nevada, Reno employs only U.S. Citizens and aliens lawfully authorized to work in the United States. diversity will be strongly considered.

**ASSISTANT PROFESSOR PHARMACOLOGY**

The Department of Physiology/Pharmacology at the University of Osteopathic Medicine and Health Sciences is seeking candidates for a tenure-track ASSISTANT PROFESSOR position. A Ph.D. degree is required. The successful candidate will be responsible for teaching medical pharmacology in several university programs. The candidate will have the opportunity to conduct independent research or participate in departmental research programs. Applications are encouraged from qualified candidates interested in teaching and research positions. The application deadline is March 15, 1995.

**ACADEMIC: INFECTIOUS DISEASES**

The Division of Infectious Diseases, the University of Pittsburgh School of Medicine, is seeking full-time M.D. or Ph.D. at the ASSISTANT PROFESSOR level to pursue a research career in the pathogenesis and/or immunology of intra- cellular pathogens using molecular techniques. At least 80% of time will be devoted to research and the investigator will be expected to become self-sufficient in extramural funding. The successful candidate will be expected to initiate a research program in the candidate's area of expertise and obtain extramural funding. The successful candidate will be expected to pursue a research career in the pathogenesis and/or immunology of intracellular pathogens using molecular techniques. At least 80% of time will be devoted to research and the investigator will be expected to become self-sufficient in extramural funding. The successful candidate will be expected to initiate a research program in the candidate's area of expertise and obtain extramural funding.
Uncompromising Science

Wallingford, Connecticut

CENTRAL NERVOUS SYSTEM Research Investigators

We are actively pursuing research in the areas of neurodegenerative diseases (stroke and Alzheimer's Disease), sleep disorders, and eating disorders. Our research environment is characterized by multidisciplinary collaborations among scientists trained in different aspects of neuroscience and molecular neurobiology. Successful candidates will share an interest in better understanding neurologic and psychiatric disorders as they relate to the identification and preclinical development of potential new therapeutics which will meet unmet medical needs or offer significant advantages over currently available agents. Applications should have at least 3 years of relevant postdoctoral experience. The productivity and expertise of the candidate are more important than are the specific areas of training. Opportunities at various levels exist in molecular neurobiology, neuropharmacology and neurophysiology, and in behavioral neuroscience. Reply to DEPT. HD-CNS.

Postdoctoral Fellows

Fully funded Postdoctoral Fellow positions are available to participate in exploratory brain research. Opportunities exist for Postdoctoral Fellows to work with scientific mentors engaged in research related to neurodegenerative diseases, feeding disorders, and the regulation of receptors in the CNS. Applications are invited from (but not limited to) candidates with interests in cell biology, molecular biology, and pharmacology. Reply to DEPT. HD-CNS.2

VIROLOGY Research Scientists

The Virology Discovery Group has several research positions available for highly motivated individuals interested in the discovery and development of novel antiviral compounds. Candidates should have a B.S. or M.S. with 2-3 years industry or research laboratory experience. Successful candidates will possess skills in the areas of cell culture, molecular biology and/or biochemistry. Prior experience with viral research is highly desirable. Reply to DEPT. HD-195.

The above opportunities are in our Wallingford, CT research facility. Please forward resume with salary history and Dept. # of interest to: Bristol-Myers Squibb Pharmaceutical Research Institute, Human Resources, 5 Research Parkway, P.O. Box 5101, Wallingford, CT 06492-7661. FAX: (203) 284-7762.

Princeton, New Jersey

CARDIOVASCULAR Postdoctoral Fellow

MOLECULAR & CELLULAR BIOLOGY–CARDIAC GENE EXPRESSION. A fully funded two-year postdoctoral position is available immediately in the laboratory of Dr. Michael Bianar, Department of Cardiovascular Molecular & Cellular Biology, to participate in a new research program directed toward the isolation and characterization of novel molecules associated with normal cardiac function and cardiac disease states. Interested candidates should possess evidence of excellence in molecular biology (gene regulation, protein-protein interactions). Experience in gene targeting by homologous recombination in embryonic stem cells would be desirable. Reply to DEPT. BM-389

DRUG METABOLISM Research Investigator

Responsibilities include designing programs on drug candidates in development and providing, interpreting and reporting pharmacokinetic, drug disposition and drug metabolism data and conducting clinical and non-clinical studies. Requirements include a Ph.D. in Biopharmaceutics/Pharmacokinetics with up to four years postdoctoral experience in the kinetics of studies which must include experience evaluating the metabolism and pharmacokinetics of biologics, preferably in a pharmaceutical industry. Candidates must be capable of interpreting assay methods development and validation results for biologics. Familiarity with IND/NDA/PLA requirements and submissions, and GLP regulations required. Reply to DEPT. DF-402

EXPERIMENTAL THERAPEUTICS Research Investigator

Participate in studies to evaluate biological aspects of monoclonal antibody/drug immunocoujugates. This includes studies on various anticancer agents with various mechanisms of action, and includes both in-vitro and in-vivo applications. Requirements include a Ph.D. with a minimum of 2 years postdoctoral experience and experience in tumor biology/immunology. Candidates must have a working knowledge of in-vitro and in-vivo methods used for the evaluation of anticancer agents, monoclonal antibodies and immunocoujugates. Reply to DEPT. BM-385.

The above opportunities are in our Princeton, NJ research facility. Please send curriculum vitae/resume and the names of three references, including Dept. #, to Human Resources Department, Bristol-Myers Squibb Pharmaceutical Research Institute, P.O. Box 4000, Princeton, NJ 08543-4000. FAX: (609) 581-8841.

Equal Opportunity Employer, M/F/D/V.
POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR
	TENURE-TRACK BIOCHEMIST POSITION

FLORIDA A&M UNIVERSITY

Outstanding biochemist/molecular biologist is being sought for a TENURE-TRACK POSITION to join a rapidly growing basic science division in the College of Pharmacy and Pharmaceutical Sciences at the Florida A&M University. Candidates should have an established research program within the broadly defined areas of biochemistry and molecular biology, which will serve to complement and broaden drug-research at the college. Responsibility includes teaching biochemistry in professional and graduate programs. Applications should be received by April 1, 1995, to receive full consideration. Applications, curriculum vitae and three letters of reference to: Dr. Karam F. Soliman, Chair, Division of Basic Pharmaceutical Sciences, College of Pharmacy and Pharmaceutical Sciences, Florida A&M University, Tallahassee, FL 32307. The Florida A&M University is a Historically Black University and is an Equal Opportunity/Affirmative Action Employer.

TUFTS UNIVERSITY SCHOOL OF MEDICINE

DEPARTMENT OF PATHOLOGY

The Department of Pathology at Tufts University School of Medicine seeks to recruit an established investigator for a tenure-track position, initially at the ASSOCIATE PROFESSOR level or above with a background in molecular or cellular aspects of disease pathogenesis, specifically in virology, neoplasia, or genetics. Candidates should have an established, independent, NIH-funded research program. The investigator will have the opportunity to interact with established programs in the Department including basic research in Immunology, Genetics, and Pathology.

Applications are welcome for positions that will be available from the academic year 1996-97:

TENURE-TRACK positions in basic medical sciences with preference to candidates that utilize modern molecular/cellular approaches.

Ph.D. and/or M.D. degree and postdoctoral training are required. Excellent teaching and research will be of prime importance for decisions of the search committee.

Candidates are expected to develop independent research programs. Applicants should have a track-record of independent NIH-funded research.

Interested individuals should send a letter of application with a current curriculum vitae and names of three references to:

/Professor David A. Thorley-Lawson
Department of Pathology
Tufts University School of Medicine
136 Harrison Avenue
Boston, MA 02111

THE HEBREW UNIVERSITY-HADASSAH MEDICAL SCHOOL

JERUSALEM, ISRAEL

FACULTY POSITIONS

Applications are welcome for positions that will be available from the academic year 1996-97:

TENURE-TRACK positions in basic medical sciences with preference to candidates that utilize modern molecular/cellular approaches.

Ph.D. and/or M.D. degree and postdoctoral training are required. Excellent teaching and research will be of prime importance for decisions of the search committee.

Candidates are expected to develop independent research programs. Applicants should have a track-record of independent NIH-funded research.

Interested individuals should send a letter of application with a current curriculum vitae and names of three references to:

/Professor David A. Thorley-Lawson
Department of Pathology
Tufts University School of Medicine
136 Harrison Avenue
Boston, MA 02111

ASSISTANT-IN-INSTRUCTION

ENVIRONMENTAL SCIENCE

Middlebury College, Middlebury, Vermont: the Program in Environmental Studies is accepting applications for a three-year position as ASSISTANT-IN-INSTRUCTION in Environmental Science to begin 15 June 1995. The position involves developing labs/field exercises for an introductory environmental science course. Preferred candidates will be from the science departments. Teaching labs, grading, and coordinating undergraduate teaching assistants. We seek candidates with a strong background in the natural sciences, experience in teaching environmental science, and disciplinary collaboration. A Ph.D. or M.S. degree and at least a Master's degree in a natural science or science education. Submit a letter of application, curriculum vitae, samples of teaching interest, transcripts, and names and telephone numbers of three references by March 10, 1995, to: Professor, Environmental Studies Search Committee, Middlebury College, Middlebury, VT 05753. Middlebury College is an Equal Opportunity Employer and encourages applications from women and members of minority groups.

POSITIONS OPEN

Microbial physiological ecologist, tenure-track ASSISTANT PROFESSORSHIP, available 1 July 1995. Ph.D. in the microbial area, postdoctoral experience, and an active research experience in microbial physiological ecology or related area required. We seek an individual with basic research interests in applied and environmental microbiology. Knowledge of bacteriology and/or molecular tools preferred. The initial one- and a-half to two years is a research position in the NSF-sponsored Center for Biofilm Engineering. The candidate will be contributing to interdisciplinary research on environmental, industrial, or medical aspects of biofilm processes. Subsequently, the individual will be expected to develop an independent research program. Applicants must have a Ph.D. in Environmental Microbiology, and the ability to establish a strong, research oriented program. Experience with molecular and/or biochemical methods will be considered desirable. Responsibilities include teaching, research, and graduate student supervision. Applications should be submitted to: Dr. David M. Ward, Department of Microbiology, Montana State University, Bozeman, MT 59717. Telephone: 406-994-3401. Screening begins on 1 April 1995, and continues until a suitable candidate is found. ADE is an Equal Opportunity/Affirmative Action/Veterans Preference.

CELL/MOLECULAR BIOLOGY

BIOCHEMISTRY

Hamline University
St. Paul, MN 55104

The biology faculty announces a tenure-track ASSISTANT PROFESSOR beginning September 1, 1995. The successful applicant will demonstrate success in teaching undergraduate, and will have an active research program in the area of cellular and/or molecular biology. Teaching responsibilities include biochemistry, cell/molecular biology, and genetics. Shared commitments to introductory biology courses in general education are desirable. The successful candidate will establish the science division an extramurally funded program of interdisciplinary research. Applicants should have a strong record of independent research. Applications are invited for a position that will begin after March 31, 1995, and continue until the position is filled. Hamline University is an Affirmative Action/Equal Opportunity Employer. Minorities and women are encouraged to apply.

The Biology Department at Hartwick College invites applications for two positions at the level of ASSISTANT PROFESSOR. One (tenure-track) position is for a Plant Physiologist with a research program involving plant physiology, plant development, and plant ecology, as well as microbiology to nursing and biology majors. Another position (tenure) is for an Animal Physiologist to teach anatomy and physiology to nursing, pre-allied health, and biology majors, specializing in pre-allied health courses such as kinesiology and exercise physiology, and a core biology major course. The successful candidate will also chair the Pre-Allied Health Advisory Committee. Experience in transmission and scanning E.M. is highly desirable for either position. Requirements for both positions include a Ph.D. and a strong commitment to quality undergraduate teaching and research involving undergraduates. Send a letter of application including a brief statement of research and teaching interests, curriculum vitae, three letters of recommendation, and three letters of recommendation to: Dr. Linda A. Scott, Chair, Biology Department, Hartwick College, Oneonta, NY 13820 by March 20, 1995. Women and minorities are especially encouraged to apply. An Equal Opportunity Employer.

The Department of Psychiatry, University of Pennsylvania, has two TENTURE-TRACK positions available for a program in neurobiology and behavior. Positions are at either the junior/senior level depending on candidates' qualifications. Candidates must be M.D., Ph.D. with training in general psychiatry/psychology, neuroanatomy, pharmacology and/or neurophysiology. Please send letter of intent and curriculum vitae to: Peter C. Whybrow, M.D., Director of Psychopharmacology, University of Pennsylvania, 305 Blockley Hall, 418 Guard- in Drive, Philadelphia, PA 19104-6021. Equal Opportunity/Affirmative Action Employer.

The School of Medicine of the State University of New York at Stony Brook announces a search for a CHAIR-PERSON of its Department of Orthopedics.

The Medical Center at Stony Brook is the only comprehensive university medical center on Long Island. It is an integral part of the Montefiore-Stony Brook Health Sciences Center, which includes the State University of New York at Stony Brook located approximately 50 miles from New York City. SUNY Stony Brook is a comprehensive research university with over 22,000 students and more than 100 degree-granting programs.

The Department has educational responsibilities in each of the four years of the undergraduate curriculum. There is a fully accredited residency program, two fellowship training programs, and a variety of continuing education offerings. The Department has a strong and active program of research and academic and clinical activities, including Nassau County Medical Center, Winthrop University Hospital, St. Charles Hospital and the Veterans Administration Hospital.

The successful candidate will be selected on the basis of his or her academic and research accomplishments, educational goals, clinical skills, and administrative and managerial abilities. The individual must hold the M.D. degree, be qualified for a senior faculty appointment, have specialty board certification in Orthopedics, and be eligible to practice in New York State.

Applications will be accepted until April 1, 1995. Nomina- tions or curricula vitae with two to three page personal statements may be sent in confidence below to:

Valerie M. Parsi, M.D., M.P.H.
Professor and Chair
Department of Obstetrics and Gynecology
Annapolis, MD 21401

/Office of the Dean, School of Medicine
State University of New York at Stony Brook
Stony Brook, NY 11794

The State University of New York is an Equal Opportunity Employer and urges minority candidates to apply.

Washington State University invites applications and nominations for an ASSISTANT or ASSOCIATE PROFESSOR. (Animal Science, Veterinary Science, and/or Molecular and Developmental Biology). This is a tenure-track position, 12-month appointment. The individual must have a Ph.D. or D.V.M. and advanced training in animal welfare or behavior. The ability to communicate and collaborate effectively with others in teaching, research and the public are essential. Specific responsibilities include instruction at the undergraduate and graduate/professional school level, establishment of a productive, extramurally funded research program, and interaction with the University and livestock industry and public sectors on animal welfare issues. Experience working with livestock or aquaculture production practices is highly desirable. To ensure consideration, send a cover letter describing qualifications and goals for the position, curriculum vitae, complete college transcripts and names, addresses and FAX numbers of three references to: Raymond W. Wright Jr., Search Committee Chair, Department of Animal Sciences, University of Washington State University, Pull- man, WA 99164-6332. Telephone: 509-335-4125; FAX: 509-335-1074. Screening of applicants will begin April 3, 1995, and continue until the position is filled. An Equal Opportunity/Affirmative Action/ADA Employer.

FACULTY POSITION

Bowman Gray School of Medicine

The Departments of Obstetrics and Gynecology and Physiology and Pharmacology invite applications for a tenure-track position at the ASSISTANT/ASSOCIATE PROFESSOR level in the general area of molecular endocrinology with interests in developmental physiology, endocrinology, or neuroendocrinology. Experience in molecular biology and an active research program or the ability to develop a research program competitive for extramural funding desirable. Applicants should hold a Ph.D. and/or M.D. degree and postdoctoral experience. Send a curriculum vitae, statement of research interests and plans and names of three references to:

Dr. James C. Rose
Department of Obstetrics and Gynecology
Bowman Gray School of Medicine
Wake Forest University School of Medicine
Winston-Salem, NC 27157

The Bowman Gray School of Medicine is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encour- aged to apply.

1048

SCIENCE • VOL. 267 • 17 FEBRUARY 1995
FORUMULATION/DELIVERY SCIENTIST

Miles Inc. maintains a leading worldwide position in the field of Human Biologicals. Join us in our continued commitment to the production of quality biologicals and the development of a new generation of healthcare products through biotechnology.

Position available for a Senior Research Scientist with experience in formulation and delivery of mammalian glycoproteins. Responsibilities include:

- Protein stability estimation via biophysical techniques, e.g. FTIR, DSC, CD, etc.
- Evaluation of novel delivery modalities for drug targeting.
- Implementation of drug delivery options under CGMP environment.

A Ph. D. in an appropriate discipline with a minimum of 4 years of formulation/delivery of proteins is required. Miles Inc. offers attractive compensation and generous benefits. Send resume and salary history to:

JoAnne McHugh, Miles Inc., 4th and Parker Streets, R.O. Box 1986, Berkeley, CA 94701

POSTDOCTORAL POSITION
Neurobiology

Mount Sinai School of Medicine offers an immediate opening for an individual at the Associate Professor level to study the binding site structure of serotonin 5-HT2 receptors using chemical and molecular approaches. Unique environment in a research group encompassing molecular biology, pharmacology, biophysics and computational molecular modeling. An independent, academically oriented candidate is desired with experience in physical chemistry of macromolecules, and/or molecular engineering. Interest and experience in cell biology and/or molecular pharmacology are preferred.

Send curriculum vitae and telephone numbers of 3 references to: S.C. Sealfon, Neurobiology, Box 1065, (212) 241-7075; fax (212) 996-9785, sealfon@mssm.edu; or H. Weinstein, Department of Physiology and Biophysics, Box 1218, (212) 241-6530, fax (212) 660-3369; both at Mount Sinai Medical School, One Gustave L. Levy Place, NYC 10029-6574. An Equal Opportunity Employer.

Miles Inc., Pharmaceutical Division, located near Raleigh, NC, is seeking scientists with experience in areas of Virus Inactivation, Process Sciences, and Analytical Sciences to meet the needs of our Biological Products line. These immediate openings exist in our growing Technology Department—a multidisciplinary, team-oriented, process sciences group responsible for developing and applying new technology to the purification of therapeutic proteins.

SCIENTISTS

Biochemist, Virus Structure and Inactivation (Position #107). This senior scientific staff position is responsible for development and integration of new methods for inactivation of viruses into biological product processes. Incumbent will interact with scientists involved with process development, characterization, and validation, and with regulatory and quality assurance departments. Requires a Ph.D. in a relevant biological science, plus a minimum of seven years of experience in protein biochemistry, preferably within both academic and industrial environments. A thorough understanding of animal virus structure and inactivation, and experience in GLP compliance are required. Supervisory experience preferred.

Process Development Chromatographer (Position #124). Individual will be responsible for bench to pilot scale development of chromatography processes. The incumbent will be a member of a team of developmental and analytical scientists and will interface with regulatory and quality assurance departments. Requires a Ph.D. or M.S. in Biochemistry, Chemistry or Chemical Engineering, plus a minimum of four years of relevant experience with automated chromatography systems, protein chemistry, and scale-up issues in a GMP environment.

Process Development Chromatographer (Position #110). Individual will be responsible for chromatographic process development from bench to pilot scale. Requires a Ph.D. or M.S. in Biochemistry, Chemistry or Chemical Engineering, plus a minimum of two years of relevant experience in large scale chromatography, including use of automated chromatography workstations and ultrafiltration systems in a GMP environment.

Process Development Scientist (Position #123). Individual will be responsible for scale-up of processes and equipment from bench to production scale. Requires an M.S. or equivalent in Chemical Engineering, Chemistry or Biochemistry with over four years of relevant experience in pilot plant operations including the use of chromatography, filtration and ultrafiltration in a GMP environment.

Biochemist, Analytical (Position #122). This individual will interact with a team of process scientists to develop and implement modern analytical techniques in support of process development. Requires a Ph.D. or M.S. degree in Biochemistry or Analytical Chemistry, plus three to five years of experience in analytical protein biochemistry and immunochemistry in a GLP environment. Prefer incumbent with experience in automated quantification of viral inactivating agents.

These positions offer an attractive compensation package commensurate with qualifications. Send resume and identify Position # of interest to: Human Resources Manager, Miles Inc., PO Box 507, Clayton, NC 27520.

An Equal Opportunity Employer M/F/D/V.
The Ohio State University Department of Pediatrics located at an academically oriented children's hospital is seeking a division leader. The successful candidate will direct the development of a major research effort in developmental biology of the mammalian respiratory system. This is a regular tenure-track position at the ASSOCIATE to full PROFESSOR level. Must have experience characterizing gene expression and regulation in the lung. Must have extensive experience generating transgenic mice and capability of coordinating a transgenic resource facility and generate "knock out" mice with organ specific "knock outs." Must have been successful in obtaining NIH funding. Responsibilities: directing research projects, teaching pre-M.D., post-M.D., and Ph.D. students in the techniques and philosophy of research being conducted in the field of molecular biology. Applicants should send curriculum vitae to: Grant Morrow III, M.D., Chair, Molecular Biologist Search Committee, The Ohio State University Department of Pediatrics, c/o Children's Hospital Research Foundation, 700 Children's Drive, Columbus, OH 43205. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans and the disabled are encouraged to apply.

Assistant/Neurobiologist: The Department of Biological Sciences at Idaho State University anticipates a tenure-track position, at the ASSISTANT PROFESSOR level, to begin fall 1995. Applicants must have completed a doctorate, and postdoctoral experience is preferred. Teaching assignments include: regional gross anatomy and histology to students in the Physician Assistant Program and neuroscience for graduate students in Physical Therapy. The successful applicant will have a demonstrated record of teaching and development of a research program that complements and strengthens existing departmental goals in biomedical related fields. This position will remain open until filled, but applications received by March 1, 1995, will be given first consideration. Send three letters of recommendation to: Dr. Alan C. Coozed, Dean for Academic Affairs Regional Campuses, Kent State University, P.O. Box 5190, Kent, OH 44242-0001. An Equal Opportunity/Affirmative Action Employer.

Anatomist/Neurobiologist: The Department of Biological Sciences at Idaho State University anticipates a tenure-track position, at the ASSISTANT PROFESSOR level, to begin fall 1995. Applicants must have completed a doctorate, and postdoctoral experience is preferred. Teaching assignments include: regional gross anatomy and histology to students in the Physician Assistant Program and neuroscience for graduate students in Physical Therapy. The successful applicant will have a demonstrated record of teaching and development of a research program that complements and strengthens existing departmental goals in biomedical related fields. This position will remain open until filled, but applications received by March 1, 1995, will be given first consideration. Send three letters of recommendation to: Dr. Alan C. Coozed, Dean for Academic Affairs Regional Campuses, Kent State University, P.O. Box 5190, Kent, OH 44242-0001. An Equal Opportunity/Affirmative Action Employer.

Assistant Professor of Entomology, Toxicology: Tenure-track (12 month appointments). Research (80%) dealing with toxicity of insecticidal agents using biochemical, neurophysiological, and/or molecular biological approaches. Teach (20%) an undergraduate/graduate level course dealing with insecticidal agents and a graduate course in insect toxicology. Detailed position information and application procedures are available by request. Required: Ph.D. with postdoctoral experience in a biological science, specialization in toxicology and experience with insects or other biological agents. Applicants must be excellent at both teaching and research, and must be able to obtain extramural funding and good interpersonal skills to work with students, postdoctorals and colleagues. Initial appointment will be for 1 year. Application, resume; and names, addresses and telephone numbers of three references to: C. Michael Smith, Head, Department of Entomology, 123 Waters Hall, Kansas State University, Manhattan, KS 66506, 910.4004. Telephone: 913-532-6154; FAX: 913-532-6232. An Equal Opportunity/Equal Access Employer. Kansas State University encourages diversity among its employees.

The Department of Medical Microbiology and Immunology and the H. Lee Moffitt Cancer Center at the University of South Florida offers a non-tenure track RESEARCH ASSISTANT PROFESSOR with three or more years of experience in molecular biology, including cDNA cloning, sequencing, use of viral vectors and retroviruses. Applicants should have a master's degree in a mammalian cell cycle including experience measuring cyclin A, E, and D and their associated activities. Please send curriculum vitae and name of three references to: W. J. Phlegar, Ph.D., Associate Center Director for Basic Research, Office of Faculty Recruitment, 12902 Magnolia Drive, Tam- pa, FL 33622. Applicants who need a reasonable accommodation in the selection process must notify Jody Swanson at 813-975-7894, forty-eight hours in advance. Application deadline is March 30, 1995. Moffitt Cancer Center is an Equal Opportunity Employer. The University of South Florida is an Equal Opportunity/Affirmative Action Employer.

FACULTY/RESEARCH POSITIONS. The University of Puerto Rico Medical School, a fully accredited research and teaching institution invites applications for two tenure-track assistant professor positions for molecu- lar biologists with research interests related to pharmacology/physiology. Areas of special interest are: gap junctions, secretory processes, oxygen biology, membrane transport and mesangial cell differentiation. Send applications including curriculum vitae and names of three references to: Dr. Emma Fernandez-Repollet, RCMI Program Acting Director, University of Puerto Rico, Medical Sciences Campus, P.O. Box 365067, San Juan, PR 00936-5067.

COASTAL MARINE/ESTUARINE BIOLOGY UNIVERSITY OF FLORIDA Applications are invited for a 12-month, tenure-track faculty position at the ASSISTANT PROFESSOR level. A Ph.D. in a biological discipline and expertise perti- nent to theProgram for Coastal Marine/Biological Sciences is necessary. Applicants will be expected to develop a vigorous research program and teach at the undergraduate and graduate levels. Please send a statement of research interest (up to five pages) and applications including curriculum vitae and names of three references to: Dr. Emma Fernández-Repollet, RCMI Program Acting Director, University of Puerto Rico, Medical Sciences Campus, P.O. Box 365067, San Juan, PR 00936-5067.

DEPARTMENT OF GENETICS HARVARD MEDICAL SCHOOL ASSISTANT/ASSOCIATE PROFESSOR IN HUMAN OR MAMMALIAN GENETICS The Department of Genetics, Harvard Medical School, invites applications for the position of ASSISTANT/AS- SOCIATE PROFESSOR in human or mammalian genetics. We are particularly interested in individ- uals with strong programs and research accomplishments in any area of mammalian genetics or M.D./Ph.D. degrees will be considered. The successful candidate will be nominated for an appointment with the Howard Hughes Medical Institute located within the Department. The position offers generous scholarly and scientific re- sources and the opportunity to teach medical school stu- dents and fellows with strong interests in genetics research. Applicants should submit as soon as possible, but prior to May 1, 1995, a curriculum vitae, bibliography, a brief (limit of 500 words) description of research interests and ask three references to send letters of recommendation. These materials should be directed to:

Dr. Philip Leder, Chairman
Department of Genetics
Harvard Medical School
200 Longwood Avenue
Boston, MA 02115

POSTDOCTORAL POSITION available to study recombinant TCRs and antibodies using molecular bio- logical, cellular and biochemical approaches. Prior experience in immunology preferred. Please send curriculum vitae and names of three references to: Dr. E. Sally Ward, Immunochemistry and Center and Department of Microbiology, U.T. Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75235-8576. The University of Texas Southwestern is an Equal Op- portunity Institution.
Cancer Genetics and Tumor Suppressor Genes

June 14-17, 1995
Hood College, Frederick, Maryland

Organized by
Stephen H. Friend
Harvard Medical School

Associate Organizers
E. Fearon, E. Harlow, B. Ponder
G. Vande Woude, B. Vogelstein

Emphasis will be placed on cancer genetics and tumor sup-pressor genes. Graduate students and postdoctoral fellows are encouraged to attend. The format will consist of oral and poster presentations with overviews given by distinguished leaders in the field. This meeting presents an exciting new forum for young investigators to present and discuss their research - please plan to attend.

Registration (including housing and meals) is $550.00 US. Abstract submission deadline is April 7, 1995.

For details, please contact: Margaret L. Fanning
Conference Office, FACS
P.O. Box 249 • 12120 Main Street
Libertytown, Maryland 21762
301-898-9266 • FAX 301-898-9173

Cadus Pharmaceutical Corp., a rapidly growing biopharmaceutical company pioneering the discovery of drugs which regulate G-protein-mediated signalling pathways in the areas of inflammation, cardiovascular, and neurological disorders.

GROUP LEADER-BIOCHEMISTRY

Cadus Pharmaceutical Corporation is recruiting a Scientist with experience in receptor biochemistry and/or peptide biochemistry to serve as Group Leader for the biochemistry program at Cadus. Candidate should have extensive experience in structural and functional analysis of membrane proteins. Candidates with additional familiarity with peptide biochemistry are preferred.

Candidates must have a Ph.D. in Biochemistry or a related field and several years relevant research experience. Supervisory experience essential with strong preference given to those candidates with experience running an independent research program.

Cadus offers competitive salaries and benefits as well as excellent opportunity for career growth in a stimulating collaborative environment. Send CV with List of References to: Science Search 5-BIO, Cadus Pharmaceutical Corporation, 777 Old Saw Mill River Road, Tarrytown, NY 10591-6705. Cadus is an Equal Opportunity Employer.

Cadus PHARMACEUTICAL CORPORATION
POSTDOCTORAL POSITION available immediately: We are seeking a talented individual who can apply a multidisciplinary approach to examine signaling pathways in the nuclear receptor tyrosine kinase-mediated signal transduction. The project combines molecular biology, protein biochemistry, and cell biology to define the role of the nuclear receptor tyrosine kinase in protein-protein interactions, determinants of protein folding and structural basis of transforming growth factor β receptor tyrosine kinase. Qualification: Ph.D. or M.D. and strong background in molecular biology or protein biochemistry. Familiarity with computer programming is a plus. Please send a statement of research interest, curriculum vitae, and three letters of reference to: Dr. David States/Dr. Angel Lee, Institute for Biomedical Computing and the Department of Biochemistry and Biophysics, Washington University School of Medicine, Campus Box 8036, 700 South Euclid Avenue, St. Louis, MO 63110. FAX: 314-362-0234. Washington University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL ASSOCIATE Position available immediately: To study metabolic signaling of retinal pigments in vivo. Experience with gradient-based pulse sequence development/application and image analysis methods desirable. Please send curriculum vitae, and names/telephone numbers of three references to: Bruce Berkowitz, Ph.D., Department of Ophthalmology, 5322 Hadley Avenue, UT Southwestern Medical Center, Dallas, TX 75235-8592. Telephone: 214-905-0872; E-mail: bruce@baby.swmed.edu; FAX: 214-635-8841. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP in Gen Therapy/Molecular Neurobiology: Candidate will develop and utilize non-human primate systems for gene therapy of human neurological disorders, with testing in brain culture and in monkeys. Ph.D. in Biochemistry, Molecular Biology or Neurobiology required. Technical skills in virus vector construction and development of packaging cell lines, brain or hematopoietic cell culture, transgenic mouse analysis, and stereotactic brain injection are highly desirable. Salary commensurate with experience. Send curriculum vitae, publication list, and names and addresses of three references to: Dr. Curt Machamer, Oregon Regional Primate Research Center, Oregon Health Sciences University, 505 NW 185th Avenue, Beaverton, OR 97006. FAX: 503-690-5384. An Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP in Gene Therapy/Molecular Neurobiology: Candidate will develop and utilize non-human primate systems for gene therapy of human neurological disorders, with testing in brain culture and in monkeys. Ph.D. in Biochemistry, Molecular Biology or Neurobiology required. Technical skills in virus vector construction and development of packaging cell lines, brain or hematopoietic cell culture, transgenic mouse analysis, and stereotactic brain injection are highly desirable. Salary commensurate with experience. Send curriculum vitae, publication list, and names and addresses of three references to: Dr. Curt Machamer, Oregon Regional Primate Research Center, Oregon Health Sciences University, 505 NW 185th Avenue, Beaverton, OR 97006. FAX: 503-690-5384. An Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately: To study the regulation of B lymphocyte activation and the role of protein kinases in the regulation of lymphocyte growth. Candidates should have a strong background in Molecular Biology/Biochemistry. U.S. citizenship or permanent residency is required. Send curriculum vitae and the names of three references to: Dr. Malek Kamoun, University of Pennsylvania Medical Center, 2001 Market Street, Philadelphia, PA 19104. FAX: 215-349-5091. An Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately: To study the genetics of inherited Nephropathies and fine mapping of Pyocystic Kidney Disease 2 gene. Candidate should have background in molecular biology and expertise in techniques such as library screening, large DNA fragment cloning. PCR, DNASW, etc. Experience with hybridization, cell culture and possible tissue culture. The post is for two years, renewable to three. Send curriculum vitae and recommendations to: Dr. J. Evans, Director, Cardiac Electrophysiology, Room 2135, The Harris Chassanoff Heart Institute, Long Island Jewish Medical Center, 270-05 76th Avenue, New Hyde Park, NY 11042. An Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately: To study propagation of electrical excitation in cardiac muscle and mechanisms of arrhythmia drugs using quantitative modeling. Ph.D. required. Training and experience in cardiac electrophysiology, computer modeling of cardiac membranes, Fortran programming and the UNIX operating system, as well as experience with supercomputing highly desirable. Please send curriculum vitae with names and telephone numbers of three references to: Dr. J. Evans, Director, Cardiac Electrophysiology, Room 2135, The Harris Chassanoff Heart Institute, Long Island Jewish Medical Center, 270-05 76th Avenue, New Hyde Park, NY 11042. An Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately: Preference will be given to candidates who can join us prior to June 30, 1995. Applicants should possess a strong background in Biochemistry/Molecular Biology with demonstrated research excellence and strong written and oral communication skills.

POSTDOCTORAL POSITION available immediately: To participate in ongoing cellular, biochemical and molecular biology studies on soluble T cell receptor-mediated signal transduction in human skin cells, and 2) responses of human skin to ultraviolet light. Specific responsibilities: (1) investigating functional specificities and regulation of protein kinase C isoenzymes, regulation of intracellular protein kinase cascades by specific agonists, and cross-talk among steroid hormone nuclear receptor superfamily members and protein kinase signaling pathways; (2) investigating molecular mechanisms through which ultraviolet light activates protein kinases, and transcription factors in human skin. Additionally, mechanisms through which stress, retinoids, and vitamin D nuclear receptors alter responses of human skin to ultraviolet light will be investigated. Send curriculum vitae to: Dr. Gary J. Fisher, Department of Dermatology, University of Michigan, 1301 East Catherine, Kreges 1, R6558, Ann Arbor, MI 48109-2042. The University of Michigan is a nondiscriminatory, Affirmative Action Employer.
The Department of Biochemistry at the University of Minnesota Medical School is seeking outstanding candidates for appointment to its faculty. The Graduate Program in Biochemistry, Molecular Biology and Biophysics has established strengths in molecular biology, cell signaling and biomolecular structure. We are seeking candidates who will complement one or more of these areas. We are particularly interested in attracting candidates whose research has physiological or medical significance. The appointment is at the assistant professor level (tenure-track position). Applicants should hold a Ph.D. or equivalent degree in biochemistry or a closely related discipline, have completed at least one year of postdoctoral training at the time of application and should have an outstanding record of research productivity.

Send your curriculum vitae, a statement of research plans, recent reprints, and arrange to have three letters of recommendation sent to the address given below. The application must be postmarked by March 31, 1995.

Faculty Search Committee
Department of Biochemistry
4-225 Millard Hall
435 Delaware Street SE
University of Minnesota
Minneapolis, MN 55455

The University of Minnesota is an equal opportunity educator and employer.

For a world technology leader with a patient portfolio that ranks second to none (we were awarded 1,008 new U.S. patents in 1993 alone), Eastman Kodak Company offers innovative thinkers a professional environment to grow. Our new initiatives in the Scientific Imaging Systems Unit offer opportunities in the following areas:

**Marketing Manager, Sequencing & Imaging** – This position is responsible for management of our nucleic acid sequencing and imaging product portfolio, including exploration of market opportunities, business case and customer requirement development, product development support, and product launch leadership. We require a bachelor’s degree in molecular biology or biological sciences (MBA preferred), 3-plus years of experience including product/project management, and experience with DNA sequencing products and autoditography. Process orientation with the ability to lead development/launch teams, good technical and business communication skills, and a team oriented work style are important.

**Software Engineer** – This position is responsible for all phases of in-house software development focusing on quality assurance in a highly team-oriented environment. We require a bachelor’s degree or equivalent in computer science, 1+ years of Macintosh and/or PC/Windows experience. Strong math skills and either an imaging or molecular biology background desirable.

**Senior Software Engineer** – This position is responsible for in-house development of Macintosh-based imaging application software. We require a BS or equivalent, with 3-plus years of Mac software development experience focused on commercial applications. Strong knowledge of either Think C or MPW programming environment and the ability to create innovative user interfaces are a must. Imaging background, experience in C++, and object oriented programming, strong math skills including algorithm development will be helpful. Team orientation is very important.

**Manager, Research & Development** – This position provides leadership for R&D scientific imaging systems group and works closely with marketing on translation of concept to commercial product. Responsibilities include research staff/program management, participation in strategic planning, and development of research collaborations. We require a Ph.D. in imaging sciences with focus on scientific applications, and 3-plus years of R&D program management experience demonstrating research skills, technical and business communications ability, and team leadership.

These positions are located in New Haven, CT, and offer New England’s many amenities as well as Eastman Kodak salary/benefits package and stimulating professional environment. Relocation assistance is available. For confidential consideration, please send your resume to: Eastman Kodak Company, Professional Staffing, Dept. SNC, 343 State Street, Rochester, NY 14650-1139. Eastman Kodak is an equal opportunity employer. We invite people with disabilities to notify us of their need for accommodations.

**CHIEF, LABORATORY OF PEDIATRIC DISEASES**
**OFFICE OF VACCINES RESEARCH AND REVIEW**
**DHHS, PHS, FDA, CENTER FOR BIOLOGICS EVALUATION AND RESEARCH**

The Division of Viral Products in the Food and Drug Administration seeks an outstanding scientist or physician to lead the Laboratory of Pediatric Diseases within the Center for Biologics Evaluation and Research, Office of Vaccines Research and Review, located on the NIH campus in Bethesda, Maryland. The Chief of the Laboratory of Pediatric Diseases is responsible for conducting basic and applied research on viral vaccines and immunologic products for the prevention and treatment of pediatric and respiratory viral diseases. The Laboratory is responsible for evaluating and reviewing new and licensed vaccines and making recommendations related to their use. The Chief will have the opportunity to continue his/her research program as well as develop programs in the laboratory through recruitment and supervision of scientists in a well funded research environment which includes modern laboratories, ALAAC approved small animal and primate facilities and the opportunity to interact with the NIH research community.

**QUALIFICATIONS:** Physicians must have completed all requirements for a Doctor of Medicine or Osteopathy Degree from an accredited institution. Candidates who are board certified or board eligible in infectious diseases are preferred. Graduates of foreign medical schools must submit a copy of their permanent Educational Commission for Foreign Medical Graduates (ECFMG) certification. For scientists, doctoral level degree in biology, microbiology, or chemistry along with advanced training and/or experience in virology or related area is preferred. Candidates with a strong background in pediatric and/or respiratory viral diseases including laboratory research and a national/international reputation in virology or related area are desirable. In addition, candidates should have leadership and administrative experience with a demonstrated ability to direct complex scientific programs along with a keen interest in public health issues related to infectious diseases. U.S. citizenship is required.

**SALARY:** For physicians, Civil Service salary range for GS-14 through GS-15 is $67,385 to $93,166 per annum. Also, physicians may be eligible for a physician’s comparability allowance up to $20,000 per annum. For scientists, (other than M.D.), Civil Service salary range for GS-14 through GS-15 is $60,925 to $93,166 per annum. Salary, benefits, and level of responsibility are commensurate with education and experience. The grade level of this position depends upon the research qualifications of the candidate. The position is determined by a peer review board. This position may be filled by appointment in the U.S. Public Health Service, Commissioned Corps with commensurate salary and benefits.

**HOW TO APPLY:** For additional information about the position and instructions on how to apply, call Ms. Boyer at (301) 443-6142. Applications must be received or post marked by March 31, 1995. FDA is an equal opportunity employer and has a smoke free environment.
Where can you have a research career in a highly collaborative environment?

The National Renewable Energy Laboratory (NREL) in Golden, Colorado, just west of Denver, is the nation's primary federal laboratory for research, development and testing in renewable energy and energy efficiency. We collaborate with universities, private industry and government agencies to make technological innovations from the laboratory to the marketplace. Consider joining us in one of the following positions:

Senior Avian Project Coordinator
Offering unique opportunities to develop and manage trail-blazing programs related to wind energy technology, you'll apply expertise in avian research and knowledge of wind energy development. Responsibilities include technical management, writing RFPs and reviewing proposals, and working with industry and government organizations in dissemination of information, and the publication of scientific papers and reports. To qualify, you must have 5-8 years experience in avian research and wildlife management, project management skills, familiarity with engineering concepts and terminology, and excellent public speaking and communication skills. Advanced degree required with Ph.D. preferred. Ref: E4410-491.

Avian Ecologist, Post Doctorate Research
Designing and implementing avian field studies, analyzing demographic data and developing population models, you'll evaluate study plans and publish research results. A one-year assignment with possible extension, to qualify you must hold a Ph.D. in Wildlife Science or Conservation Biology and have field experience in the study of avian demography with emphasis on raptors. Skills in forecasting population trends including FVA is required, with formal training in biostatistics highly desired. Ref: RP4410-521.

We offer an excellent benefits package. Qualified candidates should send a resume referencing position code to: Human Resources Office, NREL, Ref. #—— 1617 Cole Blvd., Golden, Colorado 80401. For information on other NREL job opportunities, contact JOB LINE (303)275-4300 or 1-800-398-3513.

Internet through Gopher info.nrel.gov or World Wide Web (WWW) at URL http://info.nrel.gov

NREL is an equal opportunity employer and proud of its commitment to diversity. Women and minorities encouraged to apply.

Post-Doctoral Research Associate
Aquatic Microbial Ecologist (Two-Year App't.)
Biological Sciences Center
Desert Research Institute
Reno, Nevada
FILING DEADLINE EXTENDED
Conducts aquatic microbial ecology field and laboratory research as part of the Antarctic McMurdo Dry Valleys Long-Term Ecological Research (LTER) project; assists senior LTER personnel in project science and management both at DRI and the LTER field site in Antarctica. Requires Ph.D. in the biological sciences within last 3 years. Research in field studies, laboratory analysis, data processing and analysis related to aquatic microbial ecology and demonstrated experience in the use of modern ecological techniques required. Record of publications and successful proposal preparation highly desired. Prior to Antarctic deployment, individual must pass comprehensive medical and dental exams. Review of applications is ongoing and continues until position is filled. Submit resume, letter of interest and the names, addresses and telephone number of 3 references.

Post-Doctoral Research Associate
Energy and Environmental Engineering Center
Desert Research Institute
Las Vegas, Nevada
Duties will, to some extent, depend upon individual's skills, but will in general include analysis of air quality and meteorological data and preparation of journal articles, reports and proposals; may include participation in the design and operation of field measurement programs. Specific research areas may include, but are not limited to: assessment of methods for sampling and analysis of atmospheric aerosols; modeling the transport, dispersion and transformation of atmospheric constituents and statistical data analysis (e.g. receptor modeling, chemometrics); Minimum qualifications: recent doctoral in Atmospheric, Science, Chemistry, Engineering, Environmental, Science, Physics or a related program from a recognized, accredited academic program; research experience in environmental data analysis; experience with computer software and demonstrable written communication and human relations skills. Ability to write computer programs in the Fortran or C languages desired. Review of applications begins 4/17/95 and continues until position is filled. Submit resume and one-page narrative describing how your qualifications meet position requirements and names, addresses and telephone number of 3 references.

Salaries competitive and commensurate with qualifications.

Send applications to: Recruitment Office, Desert Research Institute, UCCSN, P.O. Box 19046, Las Vegas, NV 89132-0040. An Affirmative Action/Equal Opportunity Employer, employing only U.S. citizens and persons authorized to work in the U.S.

Biodiversity
Program Associate
Western Hemisphere Project
Directorate For International Programs

The American Association for the Advancement of Science (AAAS) seeks a biodiversity specialist to organize an assessment of science capacity for biodiversity in Latin America and the Caribbean. The successful candidate will also plan and organize other biodiversity workshops and projects; serve as a source of biodiversity expertise for the AAAS; write and edit publications, and participate in raising program funds. Individual may also organize projects with other AAAS International programs (which include Population and Sustainable Development, Sub-Saharan Africa, Europe and the Former Soviet Union, and Science and International Security).

Qualifications: Master's degree (preferably Ph.D) in field related to biodiversity; three to five years experience related to biodiversity science, conservation, and sustainable development (experience working abroad or in an international setting, preferably in developing world but not necessarily in Latin America or the Caribbean); excellent verbal and written communication skills, and teamwork skills; strong English skills required, reading and speaking knowledge of Portuguese or Spanish desirable. Other desirable skills and experiences: work in policy analysis in a non-government or government setting desirable, experience in organizing workshops and conferences, knowledge of electronic databases and information systems desirable. Travel required.

Interested applicants may send cover letter and resume along with salary requirements to: AAAS, Human Resources Department, 1333 H Street, N.W., Suite 125, PA-013, Washington, DC 20005. EOE. Non-smoking working environment.
Tenure-Track And Postdoctoral Opportunities.

Listed below are some of the outstanding research training opportunities that are currently available at the National Institutes of Health.

**Tenure-Track Positions**

**Assistant Professor Equivalent**

**Brain Imaging**
Markku Linnoila, MD, PhD
A position is available for a board-certified or eligible psychiatrist or neurologist to develop an independent research program on alcoholism, antisocial behavior, and CNS receptor and metabolic regulation in humans and nonhuman primates. The program complements ongoing behavioral, molecular genetic, and neuroendocrine studies on alcoholism and individuals at high risk of developing alcoholism. Candidates must be US citizens or permanent residents with research interests in brain imaging, ligand development, receptor regulation and polymorphisms. Please submit a curriculum vitae, a detailed statement of research interests, selected publications, and names of three references by March 31, 1995. Laboratory of Clinical Studies (OE-68), NIAAA, Building 10, Room 3C103, 10 CENTER DR MSC 1256, BETHESDA MD 20892-1256.

**Mammalian Molecular Genetics**
Heiner Westphal, MD
An opportunity is available to establish an independent research program in an area of molecular genetics of mouse development that would complement ongoing research on gene regulation during CNS and thymus development. A state-of-the-art facility provides generalized mice. Applicants with a strong record of scientific achievement should submit a curriculum vitae, a detailed statement of research interests, selected publications, and names of three references by March 31, 1995. Laboratory of Mammalian Genes and Development (OE-68), NICHD, Building 6B, Room 413, 6 CENTER DR MSC 2790, BETHESDA MD 20892-2790.

**Salivary Gland Gene Therapy**
Bruce J. Baum, DMD, PhD
A position is available for developing an independent laboratory and clinical program applying gene transfer technology to salivary glands. Resources include space, a technician and the opportunity to recruit postdoctoral fellows. Requirements include a clinical degree (DDS, MD or equivalent), specialty training, US license, basic science doctoral degree (PhD), substantive experience in salivary gland biology, and expertise in virus-mediated gene transfer. Candidates should submit a curriculum vitae, a detailed statement of research interests, selected publications, and names of three references by March 31, 1995. Clinical Investigations and Patient Care Branch (OE-68), NIDR, Building 10, Room 1N113, 10 CENTER DR MSC 1190, BETHESDA MD 20892-1190.

**Postdoctoral Positions**

**Hemoglobin-Based Blood Substitutes**
Abdu I. Alyanah, PhD
Stroma-free hemoglobin, chemically or genetically altered, is being investigated as a potential blood substitute. Problems under investigation include the effects of oxygen and nitric oxide uptake and delivery by selected hemoglobin constructs, as well as, oxygen free radicals on the normal cell structure and function. Applicants should have less than five years of postdoctoral experience. Laboratory of Cellular Hematology (OE-68), FDA/CBER (HF3-359), Building 29, Room B-10, 8800 Rockville Pike, Bethesda, MD 20892.

**Molecular and Developmental Neurobiology**
D. v. Agoston, MD, PhD
The molecular mechanism of phenotypic differentiation, the role of DNA repeats and novel DNA-binding proteins during neurodevelopment is under investigation. First project includes the development of primary tissue culture and transgenic mouse models; second project includes the study of protein-DNA interactions. Applicants should have strong background in molecular and cell biology and must have less than five years postdoctoral experience. Laboratory of Developmental Neurobiology, (OE-68), NICHD, Building 49, Room 5A24, 49 CONVENT DR MSC 4480, BETHESDA MD 20892-4480.

**Physical Chemistry of Proteins**
A. Shrake, PhD
A position is available to conduct basic research in the area of physical chemistry of proteins, particularly mechanisms and thermodynamics of intraprotein communication and of protein-protein and protein-ligand interactions relating to protein stability and protein folding and unfolding. Training and/or experience in calorimetry, spectroscopic techniques, and protein purification is desirable. Applicants should have less than three years of postdoctoral experience. Laboratory of Plasma Derivatives (OE-68), FDA/CBER (HF3-345) 1401 Rockville Pike, Room 300, Rockville Pike, MD 20852-11448.

**Additional Postdoctoral Fellowship Opportunities**

For an on-line listing of additional postdoctoral openings, you may access the NIH EDNET Bulletin Board POSTDOC conference via Internet ([wylbur.cu.nih.gov](http://wylbur.cu.nih.gov)) or modem (1,301-402-2221 or 1,800-358-2221) with parameters set at "",Even,". When connected to NIH, type in "",w100" for terminal emulation, "",FE" for initials, and "",AID "" for account number.

The Postdoctoral Research Fellowship Opportunities catalog, which describes intramural laboratories at the NIH, is also available by request. An electronic version of the catalog may be accessed via the Internet using either the Gopher Information System ([gopher.nih.gov](http://gopher.nih.gov)) or the World Wide Web ([http://www.nih.gov](http://www.nih.gov)). When connected, select Research Opportunities at the NIH Office of Education. If you would like to request a catalog or have further questions, please contact the NIH Office of Education, Building 10, Room 1C29, 10 CENTER DR MSC 1138, BETHESDA MD 20892-1138, 301-402-1603, Fax 301-402-0483.

**To Apply**

If you hold a doctoral degree (e.g., PhD, MD/PhD, MD, DO, DDS, DMD or DVM) accompanied by previous laboratory research experience, and would like to be considered for one of these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.

National Institutes Of Health
Office of Education
The NIH is an Equal Opportunity Employer
Providing the vital link between research and manufacturing...

That's Schering-Plough

The transition from theory to practical application. Throughout Schering-Plough's Biotechnology Development facility in Union, NJ and our Pharmaceutical Development facility in Kenilworth, NJ, scientists skillfully devise innovative methods to bring quality pharmaceutical products to market.

PRINCIPAL SCIENTIST
Molecular Biology

As a member of a professional research team, you will play a critical role in the development of new cell culture/viral-based therapeutics. Research will include development and optimization of novel eukaryotic expression systems, investigation of viral as well as alternative methods for delivery of gene therapy-related products, and the development of new analytical methods through state-of-the-art molecular biology.

To qualify, you will need a PhD in Molecular Biology/Microbiology and 1-4 years of experience with eukaryotic systems and general molecular biological techniques. Excellent oral and written communication skills essential. Supervisory experience preferred. For consideration, please respond to: Human Resources Manager, Dept. PL-BD95-01/SC, Schering-Plough Research Institute, 1011 Morris Avenue, Union, NJ 07083.

PRINCIPAL SCIENTIST
Protein Analysis

Working in our Protein Analysis Laboratories, you will be an integral part of a professional management team exploring newly evolving analytical technologies and evaluating new analytical methods for protein pharmaceuticals.

To qualify, you will need to be an independent self-starter with a PhD in Biochemistry or Analytical Chemistry, extensive experience in protein chemistry, management experience and knowledge of GMPs. Excellent communication and interpersonal skills along with a commitment to teamwork are essential. For consideration, please respond to: Human Resources-SS, Dept. PH94-48/SC, Schering-Plough Research Institute, 2015 Galloping Hill Road, Kenilworth, NJ 07030.

We offer an excellent compensation package which includes a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume with salary requirements to the appropriate address for your position of interest. We are an equal opportunity employer. We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.

U BIOLOGIST
HIV Vaccine Development

We are a dynamic biopharmaceutical company devoted to the development and manufacture of diagnostic products, vaccines, and therapeutics to combat infectious diseases and immune system disorders. In conjunction with other scientists, you will plan, supervise, and implement product support activities for HIV vaccine development; contribute to our growing efforts to discover novel approaches to prevention of, and therapy for, HIV/AIDS; plus identify key experimental needs and conduct appropriate studies. You'll also coordinate the work of outside investigators; plus apply knowledge of virus and human models of HIV infection, biochemistry, and molecular tools to expand the profile of candidate HIV vaccines and therapeutics.

This highly visible position requires a PhD in Virology; a minimum of 3-5 years' post-doctoral experience in studies of HIV, preferably related to humoral immune responses; scientific achievement as evident from publications, patents, abstracts, and presentations; excellent communication skills; and the ability to work effectively with individuals of varied backgrounds and disciplines. Industry and supervisory experience would be preferred.

We offer a competitive compensation package and a rewarding opportunity to play a key role in solving the planet's urgent healthcare problems. For confidential consideration, please mail/FAX your resume to: Human Resources, United Biomedical, Inc., 55 Davids Drive, Hauppauge, New York 11788; FAX (516) 275-1717. We are an equal opportunity employer m/f/d/v.

AASTROM Biosciences, Inc.
Cell and Molecular Biologists

AASTROM Biosciences, Inc., a growing cell therapy and medical products company located in Ann Arbor, Michigan, has positions open for Cell Biologists and Molecular Biologists.

Scientist/Director - Cell Biology. Ph.D. in Cell Biology and a minimum of five years' experience (Director) or three years' experience (Scientist) in hematology or immunology required. Responsibilities include directing or participating in a hematopoietic cell biology research program focused on ex vivo stem cell production and hematopoietis. Candidates should have experience with human hematopoietic cell culture applications, stem cell selection and characterization, and flow cytometry, cytologic and immunologic assays.

Director - Molecular Biology. Ph.D. in Molecular Biology and a minimum of five years' experience in gene transfer and hematology or immunology required. Responsibilities include management of research projects on transduction of hematopoietic stem cells, participation in the development of a novel gene transfer device, interaction with clinical sites in the preparation of clinical protocols, and implementation of gene transfer technologies. Additional candidate qualifications include: gene transfer into hematopoietic stem and progenitor cells, vector development and testing, gene therapy protocols, packaging cell line development, and gene transfer into non-hematopoietic cells.

Competitive compensation and benefit package. Please send resume to:

Cell and Molecular Biologists
AASTROM Biosciences, Inc.
P.O. Box 376
Ann Arbor, MI 48106-0376
E.O.E.
## Postdoctoral Research Scientists

*Upjohn Laboratories, a division of The Upjohn Company, has exciting opportunities for postdoctoral research scientists in the following areas:*

<table>
<thead>
<tr>
<th>Immunology, Cell and Molecular Biology (Specialty Code 100-PRS)</th>
<th>Drug Delivery Systems (Specialty Code 103-PRS)</th>
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<tbody>
<tr>
<td><strong>Mechanism of apoptosis and apoptosis-related pathways in cultured cells.</strong> Experience in molecular biology and protein biochemistry is desirable.</td>
<td><strong>Structure-absorption relationships for peptide transport across epithelial cells.</strong> The candidate will synthesize model peptides, conduct transport studies, employing cultured epithelial cell monolayers. Background in bio-organic or medicinal chemistry with some cell culture experience desirable.</td>
</tr>
<tr>
<td><strong>Molecular recognition by cell adhesion molecules for structure-based drug design, using combinatorial libraries in phage display systems.</strong> Prior experience in molecular biology or biochemistry is required; previous experience with phage display libraries, expression cloning, or microbial expression is desired.</td>
<td><strong>Physical &amp; Analytical Chemistry (Specialty Code 201-PRS)</strong></td>
</tr>
<tr>
<td><strong>Mechanisms of leukocyte trafficking in lung inflammation.</strong> Background in immunology, pharmacology, cell or molecular biology is required. Interest in inflammation, adhesion biology, or cell trafficking is desirable.</td>
<td><strong>Protein dynamics of ligand recognition.</strong> A background in protein NMR spectroscopy with experience in structure determination and dynamics experiments is required.</td>
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<tr>
<td><strong>Chimeric recombinant viruses that manipulate the immune system.</strong> Virologist or immunologist with an excellent background in the manipulation of recombinant DNA is being sought.</td>
<td><strong>Medicinal Chemistry (Specialty Code 202-PRS)</strong></td>
</tr>
<tr>
<td><strong>Neurobiology (Specialty Code 101-PRS)</strong></td>
<td><strong>Four positions are available dealing with one or more of the following areas: natural products synthesis, synthetic methodology, combinatorial chemistry or structure-based design.</strong> Self-motivated individuals with a strong background and training in synthetic organic chemistry are being sought. In general, these positions involve research in both basic (non-proprietary) and program (proprietary) directed areas. The ability to function independently is of importance, as are good written and oral communication skills.</td>
</tr>
<tr>
<td><strong>Role of Dopamine Receptors in Antipsychotic Drug Effects.</strong> Ph.D. in Neurobiology/Neuropharmacology with strong background in neuroanatomy, molecular biology and receptor pharmacology. Preference will be given to applicants with tract-tracing, immuno-histochemical and in situ hybridization methods experience.</td>
<td>In addition to an excellent salary and benefits package, Upjohn Laboratories offers a stimulating, multi-disciplinary research environment at our modern facilities located in Kalamazoo, a southwestern Michigan community located midway between Chicago and Detroit. Our region provides an outstanding mix of cultural and recreational pursuits and a reasonable housing cost market. For consideration, please forward your C.V. and a statement of research interests (refer to the appropriate Specialty Code) to: The Upjohn Company, Corporate Recruiting, 7000 Portage Road, Kalamazoo, MI 49001. We are an Equal Opportunity Employer with a commitment to workplace diversity.</td>
</tr>
</tbody>
</table>

**Investigative Toxicology (Specialty Code 102-PRS)**

- **Mutagenesis and carcinogenesis mechanisms using transgenic models and applying these models to human risk assessment.** Molecular biologist/geneticist with in vivo mammalian system experience desired.
Ontogen Corporation is a dynamic pharmaceutical company with a vigorous research program for the development of small molecule therapeutics. Our research facility is located 30 miles north of San Diego in Carlsbad, CA. We currently have an opening for the following:

**Principal Scientist**

This position requires a Ph.D. in a biological science, postdoctoral studies, and a minimum of 5 years' industrial experience in *in vitro* and *in vivo* evaluation of small molecules as potential human therapeutics to treat oncological diseases. The qualified candidate will be responsible for leading a research team focused on the discovery and development of compounds that reverse the effects of multi-drug resistance associated with cancer treatment. The successful candidate will have experience in the pharmacology/cell biology of current cancer chemotherapy and preferably research experience in the area of multi-drug resistance. Other factors to be considered are expertise in cell culture techniques, knowledge of *in vivo* tumor models and knowledge of the preclinical studies necessary for the advancement of compounds to the IND stage.

Ontogen offers competitive compensation and benefits packages including a stock option plan. Qualified candidates are invited to send resumes to: HK-100, Ontogen Corporation, 2325 Camino Vida Roble, Carlsbad, CA 92009. Ontogen is an Affirmative Action/Equal Opportunity Employer.

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**Research Associate**

At Amgen, you'll discover a research environment that emphasizes collaboration, intellectual honesty, scientific integrity, and a supportive culture. This unique approach has helped us grow into a global biotechnology leader in just thirteen years.

**IMMUNOLOGY**

This position requires a BS in Biology and 2 years' research experience in life sciences or equivalent. Candidates must be skilled in gene and cDNA cloning, gene transfer and expression, tissue culture, and immunochemistry. The ideal candidate will have a MS in Molecular or Cellular Biology with 1 year of research experience, including signal transduction experience.

At Amgen, you'll find our approach to scientific research as rewarding as it is effective. We offer a highly competitive compensation and benefits package that includes a retirement and savings plan, an on-site fitness center, and three weeks' vacation. Please mail your resume/c.v. to: Amgen Inc., Staffing, Job Code: OXP-SC-2225, Amgen Center, Thousand Oaks, CA 91320-1789. Principals only, please. For information on other research opportunities available at Amgen, please call 1-800-446-4007. EEO-Affirmative Action Employer M/F/D/V. We recognize that diverse perspectives are a key factor in the process of discovery.

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**ASSOCIATE EDITOR**

An editorial position at Science is available for a Ph.D. scientist with a broad range of interests and research experience in planetary science, condensed matter physics, mineral physics, or materials science. We are seeking someone with at least two or three years of postdoctoral experience and publications in the refereed literature. Editors have varied responsibilities including solicitation, selection, and editing of manuscripts. Previous editorial experience is not required. This is a full-time position in our Washington, D.C. office.

Please send resume, list of publications, names of three references, and a cover letter with salary requirements to:

Greg Stokes
Human Resources Dept.
Suite 125
1333 H Street, N.W.
Washington, DC 20005

EOE/Non-Smoking Environment

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**BIOMATHEMATICIAN**

Agouron Pharmaceuticals, Inc., is a development-stage biopharmaceutical company with a focus on protein structure-based drug design. A vacancy exists for a biomathematician with an interest in computational approaches to pharmacology to join a multidisciplinary team working on rational design and development of anticancer and antiviral drugs. The successful applicant will be expected to collaborate with experimental pharmacologists on development of pharmacokinetic and pharmacodynamic models, and on expert systems for prediction of clinical pharmacology from preclinical data.

Applicant should hold a Ph.D. or equivalent degree and preferably have postdoctoral experience in modeling complex biological systems. Prior experience of collaboration with experimental biologists would be an asset. Knowledge of C programming is required.

We offer state-of-the-art facilities and competitive salaries and benefits. Applications, including curriculum vitae and names of three references should be sent to:

Director, Human Resources

Agouron Pharmaceuticals, Inc.
10350 N. Torrey Pines Road
La Jolla, California 92037
RESEARCH MANAGER  Gene Targeting  Job #1040

The Research Manager, Gene Targeting, will manage a maize transformation program as part of a team working on gene targeting and other molecular genetic approaches for manipulation of the improving crop species. Position requires a demonstrated ability to develop and implement innovative new procedures, and previous experience in interacting closely with other cell and molecular biologists. EDUCATION/EXPERIENCE: A Ph.D. (or equivalent) in plant science or related field, plus at least 3 years directly related experience in plant cell/molecular biology, experience with supervising technical staff and setting research goals/timelines. Candidates with direct experience in transformation of cereals and production of transgenic crop plants, including greenhouse and field evaluation, will be preferred. (APPLICATION DEADLINE is March 17, 1995.) Please send cover letter indicating job number and C.V. to: Chris Fitch, Administrative Project Assistant, Pioneer Hi-Bred International, Inc., 7300 N.W. 62nd Avenue, P.O. Box 1004, Johnston, IA 50131-1004.

SENIOR RESEARCH ASSOCIATE  Protein Biochemistry  Job #1041

Responsibilities include developing experimental strategies for optimizing the expression and targeting of proteins/peptides in plant cells, designing genes for engineered proteins, subsequent recombinant expression and structure-function characterization for novel properties. EDUCATION/EXPERIENCE: a MS degree plus at least 2 years of experience; or a BS degree in Biochemistry/Molecular Biology or equivalent, plus at least 4 years directly related lab experience in the application of molecular biology skills to understanding protein structure-function. Excellent interpersonal skills, high motivation level, familiarity with computers/computational skills and ability to work in a team environment are essential. (APPLICATION DEADLINE is March 17, 1995.) Please send cover letter indicating job number and C.V. to: Chris Fitch, Administrative Project Assistant, Pioneer Hi-Bred International, Inc., 7300 N.W. 62nd Avenue, P.O. Box 1004, Johnston, IA 50131-1004.

POST DOCTORAL ASSOCIATE  Protein Biochemistry  Job #1042

A post-doctoral position is available starting June 1, 1995 to apply the technology of phage display to the identification of novel proteins for crop improvement. The successful candidate will have a Ph.D. in biochemistry/molecular biology with experience in molecular cloning techniques and the construction/screening of DNA libraries. The candidate should also have a background in protein biochemistry, be familiar with techniques in immunochemistry and be computer literate. Innovation and creativity essential. (APPLICATION DEADLINE is March 17, 1995.) Please send cover letter indicating job number and C.V. to: Chris Fitch, Administrative Project Assistant, Pioneer Hi-Bred International, Inc., 7300 N.W. 62nd Avenue, P.O. Box 1004, Johnston, IA 50131-1004.

POST DOCTORAL ASSOCIATE  Discovery Research  Job #1043

The successful applicant will study folding, assembly, targeting, and processing of specific proteins in plant cells. The focus of this Discovery project will be on the action of molecular chaperones in the Endoplasmic Reticulum and on processing of proteases in the ER and the Vacuole. Requirements include a Ph. D. in cell biology, protein biochemistry, or a related area. The candidate must have experience in protein purification and molecular biology techniques. Research experience with subcellular fractionation techniques, molecular chaperones and proteolytic enzymes is desirable. (APPLICATION DEADLINE is March 17, 1995.) Please send cover letter indicating job number and C.V. to: Cindy Letizia, Administrative Project Assistant, Pioneer Hi-Bred International, Inc., 7300 N.W. 62nd Ave., P.O. Box 1004, Johnston, IA 50131-1004.

We offer excellent compensation, benefits and career growth potential, as well as good facilities and a cooperative research environment. Communication and teamwork skills essential. Please send cover letter indicating job name and job number to the respective individuals. We are an Equal Opportunity Employer.

National Institutes of Health

LAB CHIEF

The National Institute of Allergy and Infectious Diseases (NIAID) invites nominations and applications for the newly created position of Chief, Laboratory of Allergic Diseases (LAD), Division of Intramural Research (DIR). The Chief, Laboratory of Allergic Diseases will provide basic science and clinical leadership to the Laboratory’s research program in allergic diseases; as such, he/she will serve as the focal point within the Federal Sector and the scientific community for the conduct of research in allergy.

This position may be filled through the Civil Service employment mechanism or through the United States Public Health Service Commissioned Corps personnel system. Annual civil service salary may range from $72,471 to $92,856. The person selected may also be eligible for Physician’s Comparability Allowance of up to $20,000 per year. A recruitment bonus of up to 25 percent of base pay may be available to a non-federal candidate selected for this position, subject to individual approval.

For more information contact Ms. Kristie Daniel at (301) 402-1421. The following forms may be submitted as your application: SF-171 or OF-612, Application for Federal Employment, resume or curriculum vitae and your social security number. Please submit to:

Joann Martin, NIAID, Personnel Mgmt Specialist, Bldg. 31, Rm 7A24, Bethesda, MD 20892.

Deadline for receipt of applications is: April 28, 1995.

Selection for this position will be made solely on merit, with no discrimination for non-merit reasons such as race, color, religion, sex, national origin, politics, marital status, physical or mental handicap, or membership or non-membership in any employee organization.

U.S. Citizenship Required

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Join the world’s leader in allograft tissue science.

Our research focus is to develop novel allograft bone and demineralized matrix materials for a variety of clinical applications. We are seeking two professionals to assume significant responsibilities in our Research and Development Department:

**ANIMAL SCIENTIST (Ph.D./D.V.M./M.S.) Allograft Development**

To qualify, you will have extensive background using animal models to study bone healing with allograft materials. Experience in developing osteoinductive and osteoconductive models is required. Familiarity with demineralized bone matrix, bone growth factors, and cartilage would be plus. This position requires the ability to analyze tissue responses using histological, pathological, and immunological methods. Position level will be commensurate with experience.

**SCIENTIST (B.S./M.S.) Molecular Biology and Tissue Culture**

Responsibilities of this position will include analyzing cell cultures and tissues obtained from small animal experiments utilizing ELISA, PCR, in situ hybridization, immunohistochemistry, plus Southern, Northern, and Western blotting techniques. Three years’ experience is required.

Excellent oral/written communication skills and the ability to work on a broad range of projects in a team environment are essential for both positions.

We offer competitive salaries and benefits and a Jersey shore location half way between New York City and Philadelphia. For confidential consideration, send your curriculum vitae, indicating position of interest, to: Human Resources Department, Osteotech, Inc., 1151 Shrewsbury Avenue, Shrewsbury, New Jersey 07702. We are an equal opportunity employer m/f/d/v.

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Innovators in Musculoskeletal Science

**DEPARTMENT of PHARMACOLOGY CENTRE for NEUROSCIENCE LECTURESHIP**

Applications are invited for a Lectureship in Neuroscience tenable from April 1st, 1995. The preferred area of expertise is *Systems Neuroscience*, i.e. the analysis of information processing by the brain with respect to sensory or motor systems, motivation, emotion, memory or other aspects of higher brain function. The Lecturer will be expected to take part in teaching undergraduate courses in neuroscience, presently Brain and Behaviour 3, and Neuroscience 4. The successful candidate will also be expected to set up his/her own independent research laboratory. Individuals with expertise in neurophysiology, neuropsychology, behavioural neuroscience or psychophysics would complement existing strengths.

Candidates must have a good honours degree in a relevant subject, a doctoral qualification, and provide evidence of their ability to publish and attract external funding. The appointment will be at an appropriate point on the scale: £14,756–£25,735 per annum with USS superannuation.

Please quote REF: SCI 590048.

Informal enquiries should be addressed to Professor R G M Morris, Tel: 44-131-650 4562, Fax: 44-131-650 4579.

Further particulars may be obtained from:
THE PERSONNEL OFFICE, THE UNIVERSITY OF EDINBURGH, 1 ROXBURGH STREET, EDINBURGH EH8 9TB, FAX: 0131-650 6509

where applications (12 copies) including a curriculum vitae and the names and addresses of two referees should be lodged.

Closing date: 10th March, 1995.

**Research Fellow/Assistant**

The Lindsey F. Kimball Research Institute, a division of the New York Blood Center, currently has an opening for a post-doctoral Research Fellow/Assistant.

As an active member of our research laboratory studying a novel form of blood clotting, the successful candidate will be a biochemist with a strong background in molecular biology to participate in a multi-faceted structure/function investigation. Requires proficiency in modern techniques including site-specific mutagenesis, epitope mapping, immunohistochemistry, use of transgenic animals, and protein chemistry.

In close proximity to other major research institutes on Manhattan’s Upper East Side, we are comprised of 17 laboratories carrying out autonomous research programs in diverse fields, and offer a competitive salary and comprehensive benefits package. For immediate consideration, please fax (212)731-2752, or send CV to: Department of Human Resources, Attn: GG-PP-II, New York Blood Center, 150 Amsterdam Avenue, 3rd Fl, New York, NY 10023.

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**Job Opportunity Hotline**
1-800-835-0058

**Lindsey F. Kimball Research Institute**
A Division of the New York Blood Center

**Physical Oceanographer Oceanography Division Naval Research Laboratory**

The Oceanography Division invites applications for the position of Head, Meso-and Finescale Ocean Physics Section, in the Ocean Sciences Branch. The Branch conducts a broad program of basic and applied oceanographic research that includes: coupled hydrodynamical, atmospheric, biodynamical and optical models, ocean optics, small scale turbulence and mixing, surface waves, ocean dynamics, and microbiologically influenced corrosion. The Meso- and Finescale Ocean Physics Section conducts experimental and theoretical analyses of mesoscale, finescale and submesoscale processes. Research work is supported by a suite of modern in situ measurement systems, workstation networks and access to high-performance computing facilities. The current Section emphasis includes: upper ocean turbulent mixing, methods for optimizing sampling of hydrodynamical and thermohaline variability on continental shelves, littoral zone bubble distributions; deep western boundary current structure in the Northern Pacific. The Head of this Section leads in the formulation and conduct of research projects with a preferred emphasis on littoral and continental shelf dynamical processes. SALARY: $59,920 to $77,983 (GM-1360-14, Supervisory/Oceanographer), dependent on qualifications. QUALIFICATIONS: Ph.D., or equivalent, in physical oceanography with a documented record of research accomplishments and research team leadership. Ability to obtain a security clearance and pass a fitness for sea duty medical examination are required. Applicants should submit a detailed resume or an optional Application for Federal Employment (OF-612) to: Naval Research Laboratory, Human Resources Office (Code 1870), ATT: Mrs. F. Bucher, Stennis Space Center, MS 38629. Resumes/Application forms must be postmarked no later than 7 April 1995. For additional information, contact Mrs. Pam Bucher at (601) 688-5731.

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POSTDOCTORAL POSITIONS. Two postdoctoral positions are immediately available in the following areas: (1) the structure, function, and mechanism of action of primase during mRNA initiation in DNA replication. Candidates should have a Ph.D. degree. Salary is $23,000 to $25,000, plus medical benefits. Interested candidates should send curriculum vitae and two letters of recommendation to: Dr. G. Nigel Godson, Department of Biochemistry, New York University Medical Center, 550 First Avenue, New York, NY 10016.

PROTEIN CRYSTALLOGRAPHER

POSTDOCTORAL RESEARCH projects on control of reactive oxygen species, DNA repair, and cell cycle. Excellent facilities and environment. Send curriculum vitae with names of three references to: Dr. John Tainer, Molecular Biology MB4, The Scripps Research Institute, La Jolla, CA 92037. Email: jat@scripps.edu. Minority applicants encouraged.

POSTDOCTORAL POSITION is available immediately to study structure/function of human factor VIII (anti-hemophilia globulin) and interactions of factor VIII with other blood clotting proteins. Candidates should have a recent Ph. D. in Biochemistry or related field with a strong background in protein characterization and enzymology. Send curriculum vitae and names of three references to: Dr. Philip J. Fay, Hematology Unit, P.O. Box 610, University of Rochester School of Medicine, Rochester, NY 14642. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH FELLOW position. University of California, San Francisco (UCSF). The Department of Neurology at UCSF and the Gallo Center seek a postdoctoral fellow to help identify genetic loci that contribute to susceptibility to alcoholism and neurodegenerative diseases. The projects involve both gene mapping and positional cloning. Candidates must have a working knowledge of molecular biology. Send curriculum vitae and bibliography, a statement of research experience and interests, and the names of three references to: Kirk C. Wilfong, M.D., Ph.D., Department of Neurology, Building 1 Room 101, 1001 Potrero Avenue, San Francisco, CA 94110. The University of California, San Francisco and the Emory Gallo Clinic and Research Center are Equal Opportunity/Affirmative Action Employers. Women, minority groups and disabled individuals are encouraged to apply.

MOLECULAR PHARMACOGENETICS POSTDOCTORAL FELLOWSHIP

MAYO MEDICAL SCHOOL

POSTDOCTORAL FELLOWSHIP positions are available beginning immediately to participate in ongoing NIH-funded studies of the genetics of the nematicidal action of a novel benzimidazole compound with potential for the treatment of nematode infections of ruminants and other blood parasites. Strong background in molecular genetics and/or pharmacology is desirable. The positions will be available for three years. Send curriculum vitae and three letters of recommendation to: Dr. Richard Weinshilboum, Department of Pharmacology, Mayo Medical School/Mayo Clinic, Rochester, MN 55905. An Affirmative Action and Equal Opportunity Educator and Employer.

NIH POSTDOCTORAL FELLOWSHIP

POSTDOCTORAL POSITION available in the Laboratory of Physical Biology, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, Bethesda, Maryland, to study the molecular mechanism of muscle contraction. Position involves using advanced techniques of physics and biology and chemical; and modification of the myofilament system affects its interaction with actin. Salary is $22,000 to $24,000 per year. The successful candidate will have a Ph.D. or M.D. degree with five years or less of postdoctoral training. Send curriculum vitae, including bibliography and names of three references to: Mark Schoenberg, M.D., National Institutes of Health, Laboratory of Physical Biology, 6 Center Drive MSC 2751, Bethesda, MD 20892-2751. NIH is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITION. The University of Puerto Rico Medical School, a fully accredited research and teaching institution invites applications for a research associate position for candidates with research interests related to pharmacology/physiology. Areas of special interest are: intracellular signaling, secretory processes, oxygen and carbon dioxide regulation and neuroendocrine and neurogenetic models and mechanisms. Send curriculum vitae and names of three references to: Dr. Emma Fernandez-Repollet, RCMI Program Acting Director, University of Puerto Rico School of Medicine, Carolina, P.O. Box 356057, San Juan, PR 00936-5067.

POSTDOCTORAL RESEARCH ASSOCIATE

Available spring 1995, to study pathogenesis of virulent Borrelia burgdorferi, the causative agent of Lyme disease. Candidates should have a Ph.D. and be experienced in recombinant DNA techniques. Send curriculum vitae, names of three references, and copies of recent publications to: Dr. Robin Isaacs, Division of Infectious Diseases, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216. Applications will be accepted until April 15, 1995. An Equal Opportunity Employer, Minority/Female/Disabled/Veteran.

POSTDOCTORAL FELLOW

Position(s) available immediately in the laboratory of Dr. Harold A. Singer, at the Sijpesteijn and Janet Weis Center for Research to identify calcium/calmodulin dependent enzymes responsible for the structure/function in smooth muscle. Candidates should have training in molecular biology or biochemistry. Experience in one of the following areas is desirable: control of gene expression and/or cell growth, protein kinase enzyme activity, protein structure and function, control of cell cycle. Send curriculum vitae, statement of research interests, and names with telephone numbers of three references to: Dr. J. Geisinger, Human Resources (HS), 100 North Academy Avenue, Danville, PA 17822-1529. An Equal Opportunity Employer, Minority/Female/Disabled/Veteran.

POSTDOCTORAL FELLOWSHIP Washington University School of Medicine

Applications are invited for a POSTDOCTORAL POSITION to study the cell and molecular biology of receptor-mediated endocytosis and its regulation by drug coagulant protein physiology. Interested candidates should have experience in one of the following areas: control of gene expression and/or cell growth, protein kinase enzymology, smooth muscle contractile protein regulation. Send curriculum vitae, a statement of research interests, and names with telephone numbers of three references to: Dr. Ernest Schwartz, Ph.D., Department of Biology and Anatomy, Washington University School of Medicine, St. Louis, MO 63110 USA. FAX: 314-454-2658.

POSTDOCTORAL FELLOWSHIP

Position is available to study the molecular biology of peroxisomal biogenesis and peroxisomal disease and cancer. Requires recent Ph.D. or M.D./Ph. D. experience in molecular biology, tissue culture and immunocytochemistry. Applications and/or three relevant references and a brief summary of research experience to: Alan L. Schwartz, Ph.D., M.D., Box 8116, School of Medicine, Washington University, St. Louis, MO 63110 USA. FAX: 314-454-2658.

POSTDOCTORAL FELLOWSHIP

Position is available to study the molecular biology of receptor-mediated endocytosis and its regulation by drug coagulant protein physiology. Interested candidates should have experience in one of the following areas: control of gene expression and/or cell growth, protein kinase enzymology, smooth muscle contractile protein regulation. Send curriculum vitae, a statement of research interests, and names with telephone numbers of three references to: Dr. Ernest Schwartz, Ph.D., Department of Biology and Anatomy, Washington University School of Medicine, St. Louis, MO 63110 USA. FAX: 314-454-2658.

GEOLOGIST for environmental consultant in northeast Ohio. Conduct groundwater flow and transport modeling for medical investigators using numerical models with risk assessment group for evacuation, calculation and report preparation; conduct research into methodologies and data sources, and use computer software to organize and graphically present environmental data. Tools: MODFLOW, MULTIMED, VLEACH, StratFact, GRITS, CorelDraw, Paradox, and Excel. M.S. in geology is required. Requires ability to work independently and develop and write technical reports. Send resume and cover letter to: Zlatko P. Pavelic, M.D., Ph.D., Professor and Director, Division of Molecular Oncology, Department of Otolaryngology-Head and Neck Surgery, Medical School, University of Cincinnati, P.O. Box 670528, Cincinnati, OH 45267-0528. An Equal Opportunity Employer.

RESEARCH ECLOGIST—U.S. Department of the Interior, National Biological Service, Forest & Range Ecosystem Science Center at Covalis, Oregon, seeks an ecosystem-level, watershed research ecologist (GS-401/406/486 13, $50,706 to $65,915 per annum) to lead a field-oriented research program relating management of forest and rangeland natural resources to the proper function of ecosystems in the Pacific Northwest and Intermountain West. Ph.D. equivalent experience in ecology, watershed science or in a closely related field is required. Opening date: 13 February 1995. Closing date: 13 March 1995. Contact: Carla Clark, 503-750-7307 for complete announcement and informational details.

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PATHOGENESIS OF NEUROIMMUNOLoGIC DISEASES August 13-25, 1995

This two-week lecture course, for residents and staff in neurology, neuurosurgery, or psychiatry, and for advanced graduate students, postdoctorates, and investigators in neuroscience or immunology, will describe the application of genetics, molecular, and cell physiologic concepts and techniques in current use in immunology and neurophysiology to the analysis of pathogenesis in the better known neurologic and psychiatric diseases thought to have an immunologic basis.

Co-directors: Celia F. Bronson, Albert Einstein College of Medicine; and Jack Rosenbuth, New York University School of Medicine.

Tuition: $1,000 (room and board available at no additional charge). Application Deadline: April 12, 1995.


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