ASSOCIATE OR ASSOCIATE PROFESSOR.
The Department of Pathology at the Harvard Medical School invites applications for a faculty position in veterinary pathology to direct the activities of the Division of Comparative Pathology at the New England Regional Primate Research Center. Responsibilities include the conduct of an independent research program with emphasis on the pathogenesis of lentiviral infections of nonhuman primates; directing the diagnostic pathology services for a large number of large and small animals; and training, supervising, and advising members of the faculty. The successful candidate will be expected to successfully compete for research support. Certification by the American College of Veterinary Pathologists is desirable. Appointment at Assistant or Associate Professor level in the Department of Pathology, Harvard Medical School, depending upon experience. Qualification applications should include a letter of interest, along with curriculum vitae and names of at least three references to:

Dr. Donald D. Hunt, Director
New England Regional Primate Research Center
One Pine Hill Drive
P.O. Box 9102
Harvard University, on Equal Opportunity/Affirmative Action Employer and encourages the applications of qualified women and minorities.

PHYSIOLOGICAL, FACULTY. A tenured-track position for an investigator in cellular or molecular physiology, or neuroscience. Researchers in cellular/molecular physiology, membrane transport, or neurobiology are especially invited to apply. Applications including curriculum vitae, a brief statement of research interests and three letters of reference should be mailed to: Dr. Robert B. Gunn, Chairman, Department of Physiology, Emory University School of Medicine, Atlanta, GA 30322. New applications will be considered until September 15, 1993, or until the position is filled. Emory University is an Equal Opportunity/Affirmative Action Employer.

PHYSIOLOGIST
A position of ASSOCIATE or ASSOCIATE PROFESSOR is immediately available in the Department of Physiology, College of Osteopathic Medicine. Applicants must have a doctorate or equivalent degree and postdoctoral experience in a relevant field; a commitment to teaching excellence and implementation of progressive instructional techniques; and established research interests. Primary duties include medical student education with secondary emphasis on research or other academic activities. The school's mission is to be number one in the country in the training of primary care physicians. Submit curriculum vitae and the names of three references to: Gary O. Ballam, Ph.D., Chairman, Department of Physiology, College of Osteopathic Medicine, 2105 Independence Boulevard, Kansas City, MO 64124-2896. Equal Opportunity Employer.

NEUROBIOLOGY FACULTY POSITION
The Neurobiology Research Center at the University of Alabama at Birmingham (UAB) School of Medicine invites applications for a faculty position at the ASSISTANT PROFESSOR level for two postdoctoral experience. The Center is seeking an outstanding individual with a strong record of achievement using modern approaches to neuroscience whose interests complement those of the faculty members. Interests of the faculty include membrane biophysics, synaptic plasticity and modulation, cellular and molecular basis of neurodevelopment, signal transduction and intracellular signaling. The Center has several research facilities and has recently been provided with new space in the Civilian International Research Complex on the UAB campus. The Center is well supported at the level funded by grants from the National Institutes of Health (NIH) and the UAB Foundation.

Send curriculum vitae and statement of research plans and have three letters of recommendation sent to: Michael J. Friedlander, Ph.D., Neuroscience Research Center, Suite 516, University of Alabama at Birmingham, Birmingham, AL 35294-0021 by September 15, 1993. UAB is an Equal Opportunity/Affirmative Action Employer.

The Department of Biochemistry is seeking applications at the ASSOCIATE or ASSOCIATE PROFESSOR level. The ideal candidate should have demonstrated research competence and the ability to establish an active, externally funded research program. Other responsibilities will include teaching biochemistry to undergraduate, graduate, medical, or dental students, and service activities. Applications are encouraged from individuals with yeast or higher eukaryotic systems. Appointment at the Assistant or Associate Professor level in the Department of Biochemistry, University of Michigan Medical School, Ann Arbor, MI 48109-0606. Deadline for applications is November 1, 1993.

The University of Michigan is an Affirmative Action/Equal Opportunity Employer. Applications from qualified women, minorities, and/or disabled individuals are encouraged.

TENURE-TRACK, ASSISTANT PROFESSOR
Department of Microbiology and Immunology
Virginia Commonwealth University

Tenure-track assistant professorship in the Department of Microbiology and Immunology at Virginia Commonwealth University. An individual with expertise in one or more areas of immunobiology, including cellular or molecular immunology, immunogenetics or immunoochemistry is being sought. Applicants must have a Ph.D. or equivalent degree and at least 2 years of productive postdoctoral experience. Successful applicants expected to develop and maintain strong, grant-supported independent research program including teaching of graduate students and postdoctoral fellows. Participation in graduate and professional-level teaching and service activities is required. Candidates should submit a statement of research interests, curriculum vitae, and the names and addresses of three references by October 1, 1993. Submit materials to: Dr. F. L. Martin, Box 679, MCV, Richmond, VA 23298-0678. Virginia Commonwealth University is a culturally diverse, Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.

ASSOCIATE/ASSOCIATE PROFESSOR OF SURGERY AND PHYSIOLOGY
Assistant/Associate Professor of Physiology, Tenure-track position. Joint appointment in Surgery-ENT/Physiology. The department is seeking a candidate directly neuroradiologist. An interested in the faculty for covering all areas of neurobiology, particularly the use of new animal models in the study of pathogenesis of central nervous system injury and repair. The applicant will be expected to establish an active, externally funded research program. Other responsibilities will include teaching at the graduate level, and service activities. Applications from qualified candidates are encouraged. Reasonable efforts will be made to accommodate your special needs.

NEUROPATHOLOGIST
RHOE ISLAND HOSPITAL

Requirements: M.D., Board certification (or qualification) in neuropathology. Commitment to service in neuropathology, teaching students, residents, fellows, and patients. Experience in an excellent neuropathology, surgical, and teaching, including major medical center. The neuropathology service is currently looking for a second neuropathologist. The hospital has a strong emphasis on diagnostic neuropathology, including muscle/nerve disorders, neoplasia, pediatric, or fetal neuropathology. Academic record superior, usually for over five years, expected at the level of INSTRUCTOR or ASSOCIATE PROFESSOR in the Brown University School of Medicine. Applications must be submitted by a minority group, and are encouraged. Screening applicants will continue until a candidate is selected or the search is closed. Affirmative Action/Equal Employment Opportunity Employer. Send curriculum vitae and letter of interest to: M.D., Chair, Neurology Search Committee, Department of Pathology, Rhode Island Hospital, 593 Eddy Street, Providence, RI 02903.
POSITIONS OPEN

DANA-FARBER CANCER INSTITUTE/ HARVARD MEDICAL SCHOOL PROFESSIONAL OF PATHOLOGY

Harvard Medical School and the Dana-Farber Cancer Institute seek a Demster Professor. The candidate should be a leader in the field of molecular analysis of leukocytes cell adhesion including, but not limited to, adhesion molecules on myeloid and dendritic cells. The candidate should have a demonstrated interest in and would continue to supervise the research of graduate students and postdoctoral fellows. The candidate is expected to participate in the teaching of medical and graduate students. Applicants are invited to submit curriculum vitae to: Lan Bo Chen, Ph.D., Professor of Pathology, Chair, Search Committee, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115. Harvard Medical School and the Dana-Farber Cancer Institute are Affirmative Action/Equal Opportunity Employers. Women and minorities are encouraged to apply.

University of North Texas Health Science Center at Fort Worth (UNTHSC-FW) seeks PROFESSOR AND CHAIR OF PHYSIOLOGY. The Department of Physiology invites applications and nominations for a Chairperson. Candidates must have a Ph.D., M.D., or D.O. or equivalent degree, and an active, funded research program with an outstanding record of research achievement in areas of cardiovascular, renal, or pulmonary physiology. The Chairperson will be responsible for providing academic and administrative leadership to promote research and teaching excellence in the department and the University.

The University of North Texas Health Science Center of a state-supported institution with new well-equipped facilities, consisting of a College of Osteopathic Medicine and a Graduate School of Biomedical Sciences. The Health Science Center is affiliated with the University of North Texas. Send curriculum vitae, statement of teaching and administrative experience, a summary of research interests and goals, and a list of grant funding and the names of three references by December 31, 1993, to: Dr. Thomas Yorio, Search Committee Chairman, Office of Graduate Medical Education, University of Texas Health Science Center at Fort Worth, 3500 Camp Bowie Boulevard, Fort Worth, TX 76107-2699.

UNTHSC-FW is an Affirmative Action/Equal Opportunity Action Educator.

JUNIOR FACULTY POSITIONS

The Department of Chemistry at Indiana University plans to make three tenure-track appointments at the ASSOCIATE or ASSOCIATE PROFESSOR levels in biochemistry, inorganic, and organic (organometallic) chemistry. These positions will require the ability to organize and present courses at both the graduate and undergraduate levels. Potential candidates are expected to have a solid record of accomplishment in research and show promise of developing vigorous, independent programs of scholarly investigation. To apply, submit a biographical sketch, publication list, and a description of potential areas of development and interest in teaching and research programs. The applicant should also arrange to have three letters of recommendation transmitted. The deadline for applications is October 15, 1993. All application materials should be sent to: Professor Paul A. Greco, Chairman, Department of Chemistry, Indiana University, Bloomington, IN 47405. Indiana University is an Affirmative Action/Equal Opportunity Employer.

CHAIR

Department of Genetics and Developmental Biology
University of Connecticut School of Medicine

Applications are requested for the Chair of a newly created basic science department. The ideal candidate will be actively engaged in a research program in genetics or developmental genetics, and have the academic background required to ensure vigorous departmental growth. It is intended that the department should have a significant role in the education of students, including medical, graduate, and other programs.

Applications should include complete curriculum vitae and should be submitted by October 1, 1993, to: Chair, Genetics and Developmental Search Committee, Medical Dean's Office, University of Connecticut School of Medicine, 263 Farmington Avenue, Farmington, CT 06030.

An AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER, M/F/D/V.

POSITIONS OPEN

University of Vermont Molecular/Cellular Physiologist

The Department of Molecular Biology and Biochemistry seeks three tenure-track faculty members at a level commensurate with their research strengths in the following aspects of muscle physiology: 1) Contraction and motility; 2) Ion channels; 3) Cellular growth and remodeling; 4) Intra- and intercellular signaling. We are seeking individuals whose research directly complements existing strengths. Strong preference will be given to individuals applying forefront cellular and/or molecular biology and biochemistry with an experimental and/or logical function. Candidates for ASSISTANT PROFESSOR must have an earned doctorate, plus 2 or more years postdoctoral experience. Candidates for ASSOCIATE PROFESSOR must have an earned doctorate, plus at least 5 years postdoctoral experience. They must demonstrate the potential to develop an active independent research program and to contribute effectively to department teaching at both graduate and undergraduate levels. Applicants at the ASSOCIATE/ FULL PROFESSOR level must have demonstrated excellence in teaching and their ability to direct and sustain vigorous and productive research programs. The University of Vermont is an Equal Opportunity/Affirmative Action Employer. Women and individuals from diverse racial, ethnic, and cultural backgrounds are encouraged to apply. Consideration will be given until the positions are filled. Formal review will begin on October 15, 1993, and the expectation is to fill the positions within 9 months.

Applications should include a curriculum vitae, statement of research interests, and a list of names of three references. Applications should be sent to: Dr. Deborah T. Kocher, Department of Veterinary Medicine, 1932 Teaching-Philosopher, Texas A & M University, College Station, TX 77843-4466. Applications will be accepted until November 1, 1993. Texas A & M University is an Equal Opportunity/Affirmative Action Employer/Educator.

ASSISTANT PROFESSOR IN PHYSIOLOGY/PHARMACOLOGY

An assistant professor-level faculty position in physiology/pharmacology is available in the Department of Veterinary Physiology and Pharmacology, College of Veterinary Medicine, Texas A & M University. The 12-month, tenure-track appointment requires expertise in teaching and research and will be open to individuals holding a D.V.M. and/or a Ph.D. degree. Teaching responsibilities may include instruction of undergraduate, professional, and graduate students in physiology. The successful candidate will be dedicated to high quality teaching and will be expected to participate in ongoing research programs or to establish viable collaborative or independent research programs. The candidate should submit curriculum vitae, statement of research interests, statement of teaching philosophy and a list of references to: Dr. Deborah T. Kocher, Department of Veterinary Medicine, Texas A & M University, College Station, TX 77843-4466. Applications will be accepted until November 1, 1993. Texas A & M University is an Equal Opportunity/Affirmative Action Employer/Educator.

DIRECTOR, CANCER CENTER

University of California, San Francisco

UCSF seeks an outstanding individual to coordinate and develop a Comprehensive Cancer Center, with the goal of advancing knowledge, education, and training in cancer research. Applications are invited from MDs, PhDs, or MD/PhDs. Ziehl Hospital and including all cancer-related programs at UCSF, the cancer center will include major efforts in clinical diagnosis and treatment of cancer, basic research and development, and outreach and control. The director will be associative DEAN for cancer programs and report directly to the dean. In addition, the director will represent a major institutional commitment, including a budget in the UCSF School of Medicine and a substantial complement of space for research and patient care. The individual chosen will have outstanding administrative and organizational skills and a national reputation in clinical research and education. The Director of the Cancer Center must be approved by the Board of Regents and the Committee on Academic Senate. Applications are invited. Send a letter of interest and curriculum vitae to: Dr. Warner C. Greene, Chairperson, UCSF Cancer Center Search Committee, 513 Parnassus, Room 5-224, San Francisco, CA 94143-0410.

DIRECTOR, LABORATORY ANIMAL MEDICAL CENTER

University of North Carolina at Chapel Hill

Position provides professional direction for the use of animal research and generation of data within the University, administering the University program for laboratory animal care and housing, and participation in education. Experience in veterinary medicine, animal breeding, and animal facilities management is desirable. Men and women are encouraged to apply. Women and minorities are encouraged to apply.

EXECUTIVE STAFF POSITION

This position reports directly to the Chief Executive Officer of a privately owned European Specialty Pharmaceutical Company with world wide sales. The senior person selected will head a five person group responsible for coordination of clinical and registration of new pharmaceutical products in markets around the world. Project timetables and budgets will be coordinated with the country level managers. Your experience in clinical and/or pharmaceutical development and European country regulations as well as project management will be needed to offer guidance to the various departments doing the work in-country.

You will need a M.D./Ph.D. degree with experience in project management and ten years in the pharmaceutical industry. Experience in peptides and their unique delivery systems is helpful. Personal skills in dealing with both internal and external collaborators essential. Speaking knowledge of French is useful. The position is based in Paris France.

Please send curriculum vitae and salary history with names of three references to: SCIENCE Classified Advertisements, P.O. Box 39, 1333 H Street, NW, Washington, DC 20005.

DIRECTOR OF JOINT TECHNOLOGY TRANSFER PROGRAM

University of Washington and Washington Research Foundation

The University of Washington and the Washington Research Foundation Board of Directors are jointly seeking a new leader to fill the position as Director of the University's Office of Technology Transfer (OTT) and as President of the Washington Research Foundation (WRF) as part of a long-range effort to build a vital and comprehensive intellectual property management program. Candidates should have both general and technology transfer-specific experience and demonstrated skills as an effective negotiator and consensus-builder. An M.B.A. and/or an advanced degree in a scientific discipline is desirable, as is relevant experience at a research university and/or in industry. Applications will be accepted until September 15, 1993. Send résumé and letter of application to: Search Committee for Director of Technology Transfer, University of Washington, Office of Research AC-20, Seattle, WA 98195.

Salary will be commensurate with qualifications. The University of Washington and the Washington Research Foundation are Affirmative Action Employers.

The University of South Carolina, Columbia, invites applications and nominations for the position of DEAN of the College of Science and Mathematics. The Dean of the College of Science and Mathematics is responsible for administering the College's budget of approximately $17.5 million in state funding and $21 million in outside support. The College consists of seven departments and five centers. The candidate should send a letter of application and a complete résumé to: Dr. Ralph E. White, Chairman of the Science and Mathematics Search Committee, Department of Chemical Engineering, Swearingen Engineering Center 2C13, University of South Carolina, Columbia, SC 29208. Telephone: (803) 777-6066; FAX: (803) 777-8265. The University of South Carolina is an Equal Opportunity Employer and specifically invites and encourages applications from women and minorities.
PROTEIN CHEMISTS
(Washington, DC) - Code 2310
BS/MS level candidates in Protein Chemistry or Biochemistry are being sought to support our Washington, DC-based operations. A minimum of two years experience in Edman sequencing, amino acid analysis, protein chemistry and peptide purification is required.

SENIOR MOLECULAR BIOLOGIST/MICROBIOLOGIST
(Washington, DC) - Code 2311
A Senior Scientist is sought to support ongoing research efforts in the general area of molecular biology/microbiology. Candidates should possess a Ph.D. in a biotechnology-related discipline. Candidates should have demonstrated creativity and productivity, scientific leadership/technical management experience, breadth of scientific endeavor, excellent interpersonal skills, and the ability to obtain competitive funding. Current interests of our molecular biology/biotechnology program include environmental microbiology and bioremediation, nucleic acid technology, protein engineering and immobilization, biosensors, molecular self-assembly, bioelastometers and biomaterials.

TECHNICAL SUPPORT STAFF
(Washington, DC) - Code 2312
BS/MS level candidates (with a minimum of two years experience) are being sought for Technical Support positions in our Washington, DC-based operations. Candidates will conduct laboratory research in vaccine development and environmental contamination hazard assessment. Personnel required include Biologists, Molecular Biologists, Molecular Immunologists and Biochemists (with fermentation/protein purification experience).

SENIOR BIOCHEMIST/IMMUNOCHEMIST
(Washington, DC) - Code 2289
A Senior Scientist with a Ph.D. in Biochemistry, Immunology, Organic Chemistry, or related field is being sought to assume a leading role in the development of novel biosensor technologies. Candidates should possess a broad scientific background, with a minimum of five years of demonstrated laboratory experience in fluorescence and optics for sensor applications. Project and personnel management experience, with consummatory written and oral communication skills are required. Previous experience in successfully securing sources of research funding is preferred.

ANALYTICAL CHEMISTS
(Denver, CO) - Code 2299
BS/MS level candidates in Analytical Chemistry are being sought to support our research efforts. A minimum of two years experience in GC and GC/MS, volatile and semi-volatile analysis is required. Candidates must possess an intimate familiarity with EPA protocols and methodologies.

HEALTH HAZARD TOXICOLOGIST
(Dayton, OH) - Code 49
A Senior Scientist with a Ph.D. in Toxicology is sought to conduct research efforts focusing upon toxicology and exposure standard setting. Candidates must be familiar with industrial hygiene/occupational medicine, with a minimum of five years of practical experience. The selected candidate will evaluate laboratory toxicity test results, and use scientific literature and test results to recommend exposure standards. Candidate will also apply mathematical exposure models to hazard evaluation.

AEROSOL SCIENTIST/INHALATION TOXICOLOGIST
(Dayton, OH) - Code 50
A Senior Scientist is sought to conduct research efforts involving the generation of selected aerosols, and delivery to custom inhalation exposure chambers. Qualified candidates will possess a Ph.D. in Toxicology, with extensive knowledge of aerosol physics, measurement methods, and instrumentation. Candidates will be responsible for the characterization of exposure chamber atmospheres, and the development of combustion toxicity exposure systems that permit the measurement of performance decrements in small animal models. Candidates will also develop methods for combustion toxicology assessment as required.

PROTEIN CHEMISTS
(Boston, MA) - Code PRC
Bachelors, Masters and Ph.D. level candidates (with a minimum of two years post-degree experience) are sought to conduct research in the purification of proteins using chromatography, electrophoresis, and related techniques. Responsibilities will also include the isolation of proteins from biological systems, characterization of purified proteins in terms of composition and sequence, identification of modified amino acids; peptide synthesis; chemical modification of proteins; and structural characterization to include X-ray, NMR, DC and related techniques.

PHYSICAL CHEMISTS
(Boston, MA) - Code PHC
Bachelors, Masters and Ph.D. level candidates (with a minimum of two years post-degree experience) are sought to conduct research in the following areas: the characterization of crystalline morphologies through organic template reactions; Langmuir techniques; optical characterization of organic-inorganic assemblies; analytical characterization of materials including FTIR, MS, X-ray, SEM, TEM, AFT/STM and related techniques.

If you're stimulated by provocative science, and applications-oriented research and development, you're ready for all that we have to offer. GEO-CENTERS, INC. offers a competitive salary, a generous benefits package and relocation assistance. U.S. CITIZENSHIP OR GREEN CARD IS REQUIRED. Candidate will be evaluated on educational credentials, demonstrated practical experience, and publication records in their research specialties. Qualified applicants are encouraged to send their resume and salary history to the appropriate location listed for each position. Responses for Codes 2310, 2311, 2312, 2289 & 2299 should be sent to: GEO-CENTERS, INC., 10903 Indian Head Highway, Fort Washington, MD 20744. Attn: Deborah Hall-Greene/Code . Responses for Codes 49 & 50 should be sent to: GEO-CENTERS, INC., P.O. Box 59839, Centerville, OH 45459-0839, Attn: Dr. T. K. Narayanan/Code . Responses for Codes 49 & 50 should be sent to: GEO-CENTERS, INC., 7 Wells Avenue, Newton Centre, MA 02159, Attn: Human Resources/Code . GEO-CENTERS, INC. is an Equal Opportunity/Affirmative Action Employer. (Principals Only).
CAMBRIDGE POSITIONS

DISCOVERY RESEARCH

Cellular Immunology. We currently seek two individuals with 2-5 years experience in T-cell function studies (including T-cell activation, proliferation, lymphokine production and cytolytic activity) to work in a novel cytokine discovery program. One position requires a PhD with 3-4 years postdoctoral training. The second position requires a BS in the Life Sciences. Experience with molecular biology and FACS would be a definite plus for either position. (Job Code MMS1)

Embryonic Growth & Regulatory Proteins. The EGRP Group’s research is focused on the biology and molecular basis of organ formation during embryogenesis and organ hemostasis and renewal in the adult animal. The goal of the group is to understand how parenchymal organs, such as the pancreas, are formed and maintained in the adult animal.

The EGRP Group has an opening for a Staff Scientist, with a PhD, or equivalent, 3-5 years of postdoctoral training with publications in any of the following: cellular, biochemical or molecular aspects of vertebrate or invertebrate development, cell biology or endocrinology. Experience with mammalian systems would be preferred. Candidates with research experience in topics such as cell fate, epithelial-mesenchyme interactions in systems such as Drosophila, C. elegans, Xenopus and zebra-fish are encouraged to apply. The ideal candidate must have the ability to work in a team-oriented environment with hands-on, bench-level and supervisory responsibilities. In addition, candidates should have excellent verbal and written communication skills. (Job Code MMS2)

PRE-ClinICAL BIOLOGY

Bone Biology. Our Pre-clinical Bone Biology Group is looking to expand with the addition of a PhD/DVM/MD level scientist. The selected individual will participate in a research program examining the efficacy of our novel polypeptide growth factors in animal models of bone and connective tissue repair. Duties will include: deriving experimental protocols, conducting in vivo studies, collecting/analyzing data, coordinating in-house research with experiments performed by collaborators, and deriving new in vivo experimental systems. An extensive background in bone biology and some experience with related animal model research are required. (Job Code MMS3)

For these Cambridge-based positions, located just outside Boston, please forward resume, specifying position of interest and corresponding job code, to: Human Resources Department, Genetics Institute, Inc., 87 Cambridge Park Drive, Cambridge, MA 02140.

ANDOVER POSITIONS

PROCESS BIOCHEMISTRY

The Formulation Group is responsible for the development of manufacturable, stable, and marketable dosage forms of recombinant protein products. Properly developed stability-indicating methods are required for the rational development of formulations. The comprehensive characterization of drug substances/products and degradation products is also an integral component of the Group’s work.

Formulation. As a Staff Scientist you will develop HPLC and electrophoresis methods and methodologies for stability indicating assays and formulation studies. In addition, you will be responsible for the characterization of degradation products and mechanisms.

Qualified individuals will have an MS with 3 years experience, or a PhD with at least one year of experience, degree in biochemistry, pharmaceutics, or analytical biochemistry. Successful candidates must understand the requirements for stability-indicating assays. (Job Code DMS1)

For this Andover-based position, located 30 minutes outside of Boston, please forward your resume, specifying job code, to: Human Resources Department, Genetics Institute, Inc., One Burtt Road, Andover, MA 01810.

Genetics Institute offers competitive salaries and benefits, including comprehensive healthcare, three weeks’ paid vacation, 401(k), stock purchase plan and equity participation programs, on-site exercise facility and child care resource and referral.

Genetics Institute is dedicated to building strength through diversity. We are an equal opportunity employer.
Genetics Institute, a pioneer in biopharmaceutical research and development, is at the forefront of the discovery and characterization of novel human regulatory proteins. Backed by our exceptional human and scientific resources, fellows in our Postdoctoral Program participate in all aspects of scientific interchange, including individual research, publication, presentation and attendance at meetings and seminars. As our efforts continue, we seek individuals who will make significant contributions.

POSTDOCTORAL FELLOWSHIPS

Small Molecule Drug Discovery
We are currently seeking a PhD for postdoctoral studies in protein structure and receptor/ligand interactions by multidimensional NMR spectroscopy, within our Structural Biology Group. Research efforts are supported by a 600 MHz NMR spectrometer with accessory PF as well as SGI workstations and compute services. Applicants should be motivated to pursue problems on the leading edge of structural biology and have demonstrated expertise in macromolecular structure determination. (Job Code DC)

Pre-Clinical Biology R&D (3 positions)
Our studies encompass the development of infectious disease models for the evaluation of novel cytokines as potential therapeutic agents. Responsibilities encompass performing in vitro and in vivo experiments, (transgenic and knockout systems) involving cell assay systems, interactions with microorganisms and protocol development. A PhD or PhD/MD in immunology, microbiology or a related discipline is required. Experience in cell culture, in vivo models and cellular immunology or molecular biology is desirable. (Job Code JS)

Our active pre-clinical hematopoiesis group uses cellular and molecular approaches to study the biology of novel cytokines. We seek an individual to study cytokine gene expression and regulation in normal and transgenic models. Experience using general molecular biology research techniques is required. Knowledge of in situ hybridization is desirable. (Job Code SG)

Process Biochemistry
Engaged in developing scalable processes for purifying proteins of therapeutic importance, research ranges from investigating new and emerging technologies for purifying proteins to using proteins that pose challenging separations problems as models. In addition, we are working to better understand the mechanism of action for existing separations, and investigating the effects of purification on the structure of proteins. (Job Code GA)

Microbial Fermentation
This research effort involves the development of fermentation processes that maximize the cellular and volumetric productivity of bacteria capable of producing proteins of pharmaceutical interest. An opportunity exists for a microbial physiologist who utilize knowledge of regulation of energy yielding pathways, protein chemistry and molecular genetics to enhance the production of recombinant proteins in Escherichia coli. Demonstrated proficiency in modern molecular biology techniques is essential. (Job Code NS)

As a growing force in the biopharmaceutical industry, we are constantly looking for superior post doctoral candidates. Genetics Institute offers competitive salaries and benefits, including comprehensive healthcare, three weeks’ paid vacation, 401(k), stock purchase plan, on-site exercise facility, and child care resource and referral. If you have an interest in our post doctoral program, please forward your curriculum vitae and letter of interest specifying job code to: Human Resources Department, Genetics Institute, Inc., 87 CambridgePark Drive, Cambridge, MA 02140, Attn: Postdoc Fellows.

Genetics Institute is dedicated to building strength through diversity. We are an Affirmative Action Employer.
**BIOLICAL MECHANISMS AND QUANTITATIVE RISK ASSESSMENT**

The Health Effects Research Laboratory of the U.S. Environmental Protection Agency is pleased to announce that its first annual Symposium will be held November 1-4, 1993, at the Sheraton Imperial Hotel & Convention Center in Research Triangle Park, North Carolina. The Symposium will focus on the role of biological mechanism research in future risk assessment strategies. The role of mathematical models of biological systems in integrating research activities and reducing uncertainties in the risk assessment process will be discussed. An opportunity will be provided for presenting posters on topics related to the theme of the Symposium. For more information on the Symposium or for submission of abstracts, please contact:

**HERL Symposium Coordinator**
Research and Evaluation Associates, Inc.
100 Europa Drive, Suite 590
Chapel Hill, North Carolina 27514
(919) 968-4961
(919) 967-4098, (FAX)

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**Max-Planck-Institute for Chemistry (Otto-Hahn-Institut), Mainz/Germany**

Research Unit to be headed by a Junior Scientist

The Max-Planck-Institute for Chemistry - Division of Atmospheric Chemistry - seeks an outstanding candidate to lead a research group devoted to theoretical and/or experimental studies of the physical/chemical interactions between the solid/liquid/gas phases in the atmosphere (troposphere and/or stratosphere).

The successful candidate will have had several years of postdoctoral experience and an outstanding record of achievement in one of these research areas. The available position represents a five years appointment at a level equivalent to associate professor (C3). Appropriate laboratory space, funds for laboratory set-up and operation, and additional salaries for one Ph.D. level scientist and one technician will be guaranteed; fellowships for post-doctoral fellows and graduate students are subject to negotiation.

Candidates should submit their curriculum vitae, a list of publications, a short description of their future research objectives, and the names of three scientists familiar with the candidate’s research accomplishments and scientific potential to:

Professor Dr. Paul J. Crutzen
Max-Planck-Institut für Chemie
Saarstr. 23
55122 Mainz

Application deadline: October 31, 1993

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**RESEARCH OPPORTUNITIES AT THE W. ALTON JONES CELL SCIENCE CENTER**

The W. Alton Jones Cell Science Center is located in the heart of the Adirondack State Park, Lake Placid, N.Y. The Center is equipped with state-of-the-art equipment (amino acid analyzer, amino acid and DNA sequencers, peptide and DNA synthesizers and various other analytical instruments) for studies in cell and developmental biology. Salaries and benefits are competitive. Send curriculum vitae, names and telephone numbers of three references and summary of research interests to:


**GRADUATE, POSTDOCTORAL AND VISITING SCIENTISTS PROGRAMS.**
The Center participates in a graduate program with Clarkson University, Potsdam, N.Y. and the University of Vermont, Burlington, VT. Course work is taken at the University and research work is conducted at the Center. This program is open to excellent candidates who have completed their undergraduate degree. STUDENTS, POSTDOCS AND VISITING SCIENTISTS participate in projects within laboratories of senior scientists including:

- **JAMES L. STEVENS**, Director: Cellular and biochemical toxicology and carcinogenesis.
- **JOHN W. CRABB**: Protein structure-function, molecular biology of visual cycle proteins.
- **JUN HAYASHI**: Developmental immunobiology of thymocytes and thymic epithelial cells.
- **SUZAN JAKEN**: Regulation and activation of protein kinase C isozymes.
- **WILLIAM McKEEHN**: Growth factors/receptors in blood vessels, liver and prostate.
- **J. DENRY SATO**: Cellular endocrinology physiology.
- **GINETTE SERRERO**: Biology and hormonal control of mesenchymal cell differentiation.
- **DANIEL J. SUSSMAN**: Regulation of gene expression in mammary tumorigenesis and mouse development.
ASSOCIATE DIRECTOR
Frederick Cancer Research & Development Center (FCRDC)
National Cancer Institute, National Institutes of Health (NIH)
Public Health Service (PHS)

The NCI is accepting applications for the position of Associate Director, FCRDC, located in Frederick, Maryland. We are seeking scientists experienced in biology, microbiology, or medicine, who have demonstrated the ability to manage a large, multi-disciplinary basic and clinical research program involving the causes of cancer and AIDS and who have skill in basic or biomedical research and science program administration. The FCRDC is operated under a system of five contracts at approximately $150 million per year. These contracts support basic research, operational support, animal production, and computer and library services. The Associate Director is responsible for the direction of the FCRDC and coordination of research and management matters with the Director, NCI and other organizations. The incumbent formulates major policies on the operation of the FCRDC in conjunction with the Director, NCI. He/she cooperates and maintains contact with local community representatives and local and national news media as well as Congressional offices.

Salary: Ranges from $68,630 to $91,029 per annum. Physicians may be eligible for an added allowance up to $20,000 per annum.

Benefits: Generous package includes health and life insurance options, retirement, paid holidays, vacation and sick leave.

Exceptional recruiting difficulty may result in payment of a recruitment bonus. Payment of travel and transportation expenses will be considered on an individual basis.

For Qualification Requirements, Application Procedures, and Other Additional Information, please contact:

Ms. Marge Johnson, Personnel Management Specialist, NCI, NCI-Frederick Cancer Research and Development Center, Building 427, Room 14, Frederick, Maryland 21702-1201; Tel: (301) 846-5023; FAX: (301) 846-1494

Applications must be postmarked no later than the announcement closing date of September 13, 1993. To be considered, applicants must be U.S. citizens.

NIH is an Equal Opportunity Employer.

SCIENTIFIC DIRECTOR OF GENE THERAPY LABORATORY

St. Luke's Medical Center in Milwaukee, Wisconsin, has an excellent opportunity for an experienced scientist interested in providing scientific support to our Gene Therapy Program. The ideal candidate would be a molecular biologist with several years experience beyond the doctoral level. Experience in gene transfer techniques including transfection or transduction of genes into human cells is strongly preferred.

The selected candidate will be given latitude to provide an independent research program functioning as the scientific director of our Gene Therapy Laboratory. The quality of work expected is similar to other clinical programs and laboratories engaged in such activities. St. Luke's Medical Center has committed sufficient resources to effect this goal and to develop this program including ample research space, well equipped laboratories, and sufficient support personnel. The selected individual has latitude to bring a complete support team along and to develop a training program involving postdoctoral fellows. An attractive salary and benefit package is included for the director and all other individuals. The program is endowed and only partially dependent on grant funding for growth. There will be interactive interaction with the National Cancer Institute and academic institutions and clinical physicians on clinical patient trials. A further resource available on site is an already functioning TIL and LAK laboratory with a scientific staff.

St. Luke's Medical Center is a six hundred bed, not-for-profit hospital with a comprehensive cancer care program. This institution is committed to developing a cancer center and cancer treatment. Milwaukee is noted for its culture, academic, social and sports events found typically in any large city, but in an atmosphere of small town friendliness.

Please forward your curriculum vitae to:
John P. Hanson, Jr., M.D.
2901 W. Kinnickinnic River Pkwy.
Suite 516
Milwaukee, WI 53215-3690
Telephone: (414) 385-3086 or
Kimberly Wink
St. Luke's Medical Center
2900 W. Oklahoma Avenue
Milwaukee, WI 53215
Telephone: (414) 649-7951

DISCOVERY

This organizational unit will be responsible for establishing and maintaining a steady flow of new pharmaceuticals into the pipeline, for identifying and investigating new agents to undergo clinical development and for defining innovative approaches to scientific discovery of compounds for the treatment of disorders affecting women’s health and fertility.

Directors – Cell Biology, Molecular Biology, Morphology, Endocrinology

Each Director will be expected to have a strong background and demonstrated success in their relevant discipline, expertise in the development and implementation of scientific techniques relevant to their specialty and strong leadership abilities to ensure an integrated team effort. Successful candidates must have a Ph.D. in the relevant discipline with a minimum of 8 years related experience. Pharmaceutical industry experience and experience in the field of women’s health desirable.

CLINICAL DEVELOPMENT

This organizational unit will oversee the design, monitoring and evaluation of clinical studies designed to bring the Women’s Health Institute compounds from the earliest stages of testing through to regulatory approval.

Assistant Vice President

Overall management of clinical development efforts including collaboration with basic researchers, as well as with the Clinical R&D OB/GYN group to implement and execute general clinical trial strategies on a global basis. The selected individual will interact with Clinical Pharmacology to arrange pharmacokinetic and pharmacodynamic studies and will work with academic or contract organizations for clinical studies.

The successful candidate will have a strong background and expertise in management and clinical operations, a minimum of 10 years relevant experience, and will be a M.D., fully trained in a relevant discipline with full board certification/eligibility in a specialty/subspecialty (OB/GYN, Reproductive Endocrinology, Infertility, Bone and Mineral Metabolism).

Additional recruiting efforts will take place over the next several months for Research Scientists and technical support personnel in Molecular and Cell Biology, Morphology, Endocrinology and Chemistry.

Wyeth-Ayerst offers an excellent compensation and benefits package in a highly professional environment. Please respond by sending your resume with salary requirements to: Wyeth-Ayerst Research Personnel, Position W90, P.O. Box 8299, Philadelphia, PA 19101. An equal opportunity employer, M/F/D/V responses encouraged.
University of Alabama at Birmingham
Schools of Medicine and Dentistry

CHAIRMAN
DEPARTMENT OF CELL BIOLOGY

The University of Alabama Schools of Medicine and Dentistry seek applicants for tenured/tenure-appointment positions for the position of Professor and Chairman of the Department of Cell Biology. The person filling this position will assume the role of director of a strong, mature faculty and will have an opportunity to expand the department in new directions. The department's research and office space is partially housed in a recently completed, basic science building. The department includes 18 tenure-track faculty members participating in both graduate and professional teaching.

The successful candidate is expected to be an established scientist with a strong ongoing, independent and well-funded research program.

The Search Committee, headed by William J. Koopman, M.D., Director of Immunology/Rheumatology, will review the application. Interested applicants should submit a curriculum vitae including the names of three references to:

Amy Thompson, Director
Administrative Services-Naval Medicine University of Alabama-Birmingham, MEB 310E
University Station
Birmingham, AL 35294-3293

An Equal Opportunity/Affirmative Action Employer.

McGill University
Department of Anatomy and Cell Biology

FACULTY POSITION

Applications are invited for a tenure-track position at ASSISTANT, ASSOCIATE or full Professor rank, starting 1 September 1994. Applicants must have a Ph.D. and/or M.D. degree and postdoctoral research experience. The successful candidate is expected to establish an active, independent research program in a topical area of developmental, cellular or tissue biology, including supervision of research by graduate students to M.Sc. and Ph.D. levels. The Department has strong research groups working in problems of cell and molecular biology, extracellular matrix, immunobiology, reproductive systems, calcium signaling, neurobiology, developmental biology, and neuroendocrinology. The Department offers extensive research facilities in electron microscopy, high-resolution radioautography, confocal microscopy and tissue culture, used by many researchers in conjunction with modern methods of cell and molecular biology and immunobiology. The successful candidate will also be expected to become an enthusiastic and dedicated teacher. Applications, including curriculum vitae with representative reprints, names, addresses and telephone numbers of 3 referees, should be sent by 1 December 1993 to: Dr. D. Osmond, Chair, Department of Anatomy and Cell Biology, McGill University, 3640 University Street, Montreal, Quebec, Canada H3A 2B2. In accordance with Canadian immigration requirements this advertisement is directed to citizens and permanent residents of Canada. Non-Canadians and non-residents are encouraged to apply. McGill University is committed to equity in employment.

INFECTIOUS DISEASES: The Department of Pediatrics at the Medical College of Wisconsin has two openings for full-time FACULTY Rank Open. These positions represent an expansion of the current Infectious Diseases Section to enhance a core group investigating community-acquired infections. Applicants may hold either Ph.D., M.D., or M.D./Ph.D. degrees. Those holding the M.D. degree should be board certified in Infectious Diseases. Preference will be given to applicants with training and experience in the technical, biological, and molecular approaches to understanding the host-parasite relationship, and prevention of common lower respiratory viruses in children. Please direct inquiries with curriculum vitae and the names of two references to: Dr. Michael J. Cluizel, M.D., Department of Pediatrics, MACC Fund Research Center, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226. Equal Opportunity/Affirmative Action Employer.
**PARALLEL PROCESS, UNPARALLELED PROGRESS.**

Vertex Pharmaceuticals, Inc. is a leader in the use of structure-based rational drug design, a scientific approach to drug discovery which uses atomic level information to design synthetic compounds that interact with protein targets involved in disease processes. Vertex is using advanced techniques of biology, chemistry and biophysics to create novel, small molecule compounds that the Company plans to develop as orally deliverable drugs to treat major human disease. Vertex is concentrating on the development of drugs in the areas of immunology, inflammation and antiviral therapy.

**Molecular Biologists-PhD**

Currently we are seeking two PhD research scientists to join our Molecular Biology group. The successful candidates will play key roles in our drug discovery programs in inflammation, virology, and gene regulation.

Qualified candidates will have three years of postdoctoral experience and a PhD in Biochemistry, Molecular Biology, or related discipline. Some experience in the pharmaceutical or biotechnology industries preferred. Candidates should have a successful record of research achievement. Preference will be given to candidates with a demonstrated experience in designing novel approaches to understand disease pathogenesis, and an enthusiasm for participating in a multidisciplinary approach to drug discovery and development.

**Pharmacologist-PhD**

We are seeking a highly motivated scientist possessing a PhD in Pharmacology with 5+ years of experience (preferably in industry) to play a key role in the development of a research group dedicated to pharmaceutical studies for all our drug discovery programs. This individual will build a group at Vertex that will have overall responsibility for studies in pharmacokinetics, bioavailability, absorption, distribution, metabolism and excretion of small molecule drug candidates.

Expertise in pharmacokinetic modeling, analytical chemistry methodologies and small animal microsurgical techniques is a must. Experience in rodent models of inflammation and immune regulation is desirable. A track record of independent productivity reflected in a body of critically reviewed publications is also necessary. Candidate should enjoy hands-on activities and is expected to be involved in laboratory work. This position reports to the VP of Research.

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**Immunologist/Cell Biologist-PhD**

We are seeking a PhD Immunologist/Cell Biologist to participate in the characterization of novel immunosuppressive and anti-inflammatory drugs at the cellular and biochemical level. A PhD in biological sciences and 2+ years postdoctoral experience are required for an individual to design and execute experiments to define the function of novel drug receptors in cell activation and cytokine processing events. The successful candidate will have expertise in immunopharmacology, biochemistry and receptor-directed cell signaling mechanisms. Familiarity with eukaryotic cell culture and animal models of inflammation are desired.

With our resourceful approach to structure-based rational drug design and a strong financial base, we invite you to take advantage of our excellent salaries, benefits and professional development potential. Please forward a detailed resume to: Vertex Pharmaceuticals Incorporated, c/o Recruiting Coordinator, SCV13, 40 Allston Street, Cambridge, MA 02139-4211. We are an Equal Opportunity Employer.

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**Research Opportunities in Entomology**

The Department of Research Specialists at Pioneer Hi-Bred International, Inc. is seeking applicants for our ongoing program of crop improvement. Pioneer offers competitive salaries, excellent facilities and a highly cooperative research environment.

Entomology Manager to conduct a research program in plant resistance to insects in support of the efforts of the Plant Breeding Division of Pioneer Hi-Bred International, Inc. The position will involve development and adaptation of laboratory bioassay, greenhouse, and field techniques.

A Ph.D. in Entomology, plus a minimum of two years research experience with plant resistance to insects in row crops. Experience in laboratory bioassays would be preferred.

Pioneer Hi-Bred International, Inc. is an Equal Opportunity Affirmative Action Employer. Send a resume with a copy of your transcripts and a list of five references that can be contacted.

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**PIONEER**

Pioneer Hi-Bred International, Inc.
Plant Breeding Division
Dept. of Research Specialists
ATTN: Michelle Shriner
7301 NW 62nd Avenue,
P.O. Box 85
Johnston, IA 50131-0085

APPLICATION DEADLINE: October 1, 1993
STAFF SCIENTISTS

Pall Corporation, a Fortune 500 company, is the world leader in filtration technology. We have achieved global leadership in our field due to our pursuit of technological excellence. Join Pall as we continue our growth. We currently have 2 positions available in our Scientific and Laboratory Services Department.

STAFF SCIENTIST ENGINEER

Your primary responsibilities will be the technical support of our ultrafiltration and crossflow filtration products working in our Scientific and Laboratory Service Division.

To qualify you will have a Ph.D. in Chemical Engineering or BioPhysics with a biology background and 3-5 years experience in bioprocessing including ultrafiltration and crossflow filtration. DEPT/SC/SL1S930200003D

We offer competitive salaries and comprehensive benefits program. Only resumes with salary history and department code will be considered. Reply to:

Corporate Employment Manager
PALL CORPORATION
2200 NORTHERN BOULEVARD
EAST HILLS, NEW YORK 11548
An Equal Opportunity Employer No Phone Calls Please

Ph.D. STAFF SCIENTIST

In this position you will take on a key role in supporting the demanding technical needs of our customers in the medical industry.

The individual we seek will have 1-5 years experience working with blood, blood products and related areas of Hematology or Clinical Immunology. A Ph.D. in Physiology, Biochemistry, Biomedical Engineering, or Microbiology combined with an undergraduate degree in Engineering or Life Science are required. DEPT/SC/SL1S9303010A

Send a letter of interest, curriculum vitae, and salary history (required) to: Dr. J.B. Lloyd, Professor and Director, Department of Medical Cell Biology, Nemours Research Programs, P.O. Box 269, Wilmington, DE 19899. Applications will be accepted until the positions are filled.

CELL BIOLOGISTS

The Department of Medical Cell Biology of the Nemours Research Programs is expanding with the hiring of two experienced cell biologists at Assistant or Associate Professor level. Candidates must have at least two years postdoctoral experience and must be able to demonstrate a capacity and an enthusiasm for independent research. One of the posts will be to develop a program of work in some aspect of intestinal cell biology, preferably using cultured cells. Also to collaborate in and support the existing research programs directed by three gastroenterology physician investigators. The second appointee will have interests in endocytosis and/or lysosomes function and will pursue independent and collaborative research in this field.

The Department of Medical Cell Biology is one of three research departments located at the Alfred I. duPont Institute, a rapidly growing multidisciplinary children's hospital that has close academic and clinical links with Jefferson Medical College, Philadelphia. The Department currently has a staff of 45 and is engaged in a range of research projects in which the techniques of molecular and cell biology are used to investigate problems related to child health and disease. Existing work relevant to these new posts is concerned with pinocytosis and lysosome function in embryonic nutrition, genetic defects and targeted drug delivery; and with gastrointestinal metabolism, transport, motility and inflammation.

Government of Canada
Gouvernement du Canada

Canada International Fellowships and NATO Science Fellowships
1994-1995

In 1994, the Natural Sciences and Engineering Research Council of Canada (NSERC) will offer 70 Canada International Fellowships to recent PhD graduates from abroad. On behalf of the North Atlantic Treaty Organization (NATO), NSERC will also offer approximately 9 NATO Science Fellowships to postdoctoral fellows from Central and Eastern European countries. These fellowships are tenable in Canadian universities.

Eligibility: Applicants must have obtained a doctoral degree from a recognized foreign university within the last four years (or expect to have such a degree by the time the award is taken up). Candidates must not be Canadian citizens or permanent residents of Canada.

Fields of research: Natural Sciences or Engineering.

Duration of award: One year. Renewals for a second year are possible.

Stipend: $29,000 (Canadian) per annum plus a travel allowance.

Application procedure: Applications must be submitted directly to the university department in which it is proposed to hold the award, not to NSERC. Candidates must not apply to more than one university.

Date of submission: November 15, 1993, for receipt of applications by the proposed host university.

For further information, contact the:

International Fellowships Office
Natural Sciences and Engineering Research Council of Canada
Ottawa, Ontario, Canada K1A 1H5
Telephone: (613) 992-9169

ATTENTION SCiENCE RECRUITMENT ADVERTISERS...

$50 SPECIAL

Place your classified ad in any July or August 1993 issue of Science and get double exposure. We'll display the same position announcement at the Employment Exchange during Science Innovation '93: The Conference on New Research Techniques--for only $50 more.

When you place your classified ad in Science, simply let us know that you want to take advantage of the $50 SPECIAL and we'll do the rest.

The Employment Exchange will take place at Science Innovation '93 at the Hynes Convention Center in Boston, August 6-10. Thousands of scientists have been invited to participate. Act fast and you can reach this unique pool of candidates.

You can also take advantage of the special if you have recently advertised in Science.

To obtain more information or to find out how you may interview candidates during the Employment Exchange at Science Innovation '93, contact: Jacquelyn Roberts at 202-326-6737.
The Skirball Institute of Biomolecular Medicine at New York University Medical Center School of Medicine will open in September 1993. This institute will focus on molecular neurobiology, developmental genetics and molecular pathogenesis. Each program will comprise 1-2 groups at the professorial level and 8-9 junior groups at the assistant professor level. In addition, several groups will be recruited in structural biology encompassing x-ray crystallography, NMR, electron microscopy as well as protein and DNA chemistry. The structural biology groups will be integrated within the 3 major research programs. A total of 40 research groups will be recruited during the next year. All group leaders will receive tenured or tenure track appointments in the existing basic science or clinical departments of New York University School of Medicine to achieve optimal interaction between existing departments and the Skirball Institute.

If you would like to join us in this unique opportunity to build an exceptional research environment, send your curriculum vitae, bibliography, a short research proposal and a list of reference to: Dr. Lennart Philipson, NYU Medical Center, 550 First Ave., New York, NY 10016 or to FAX # (212) 263-8951. If you need additional information, please call (212) 263-8950. EOE, M/F.
**President**

The Presidential Search Committee of the State University of New York Health Science Center at Brooklyn invites nominations and applications for the position of President of the Health Science Center.

The SUNY Health Science Center at Brooklyn is a comprehensive health sciences campus of the State University of New York, composed of the Colleges of Medicine, Health Related Professions, Graduate Studies, and Nursing, as well as a 372-bed University Hospital. It is the primary health care education institution for Brooklyn and its surrounding area and its 700 faculty are responsible for the education of approximately 1,500 students and 700 house-staff.

The Search Committee seeks an outstanding individual with the following qualifications:

- A record of significant accomplishment in the health field;
- Substantial experience in positions reflecting administrative responsibility and leadership;
- The ability to work effectively with the full range of constituencies, including faculty, administrative officers, staff, students, alumni, community groups, health care affiliates, public sector leaders and entities at the local, state and federal levels;
- The ability to communicate with the Health Science Center’s mission, needs and strengths to SUNY system officers, community leaders and groups, elected officials and agencies at all levels of government, health care service constituencies, and potential donors;
- A commitment to the principles of diversity and equal opportunity.

The Presidential Search Committee will begin the review of candidates immediately and continue until the position is filled. The new President will assume office on January 1, 1994 or as soon as possible thereafter. Candidate nominations or expressions of interest (with letter of interest, resume and the names of three references) should be sent to:

**Dr. Ross Clinchy, Staff Coordinator**

Presidential Search Committee

Box #1233, SUNY Health Science Center at Brooklyn

450 Clarkson Avenue, Brooklyn, NY 11203

All inquiries, nominations and applications will be held in confidence. SUNY Health Science Center at Brooklyn is an affirmative action equal opportunity employer with a strong commitment to racial, cultural and ethnic diversity.

**State University of New York**

**Health Science Center at Brooklyn**

BO/AA Employer DMC#A0025

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**DIRECTOR**

UTAH SUPERCOMPUTING INSTITUTE

AND

SPECIAL ASSISTANT TO THE PRESIDENT FOR INFORMATION SCIENCES

Applications and nominations are invited for the dual position of Director of the Utah Supercomputing Institute and Special Assistant to the President for Information Sciences at the University of Utah. A candidate is sought with the highest credentials in high performance computing, who will direct the Institute, collaborate with faculty in obtaining extramural support, and develop industrial partnerships and applications in high performance computing. The successful candidate will supervise a staff dedicated to forging collaborative interactions with and providing support to faculty and students with high performance computing and communications needs. The Director will report to the Vice President for Research. In the capacity of Special Assistant to the President, the successful candidate will advise the President on coordination of campus computing activities. This charge is interpreted broadly to include the operation of networks, the increasingly close relationship between computing and telecommunications, instructional computing, administrative data processing, etc., in order to ensure maximum attention to the computing and communications needs of the faculty, staff, and students, at reasonable costs. It is anticipated that the successful candidate will qualify for a concurrent faculty appointment in one or more academic departments. A Ph.D. degree or equivalency in a science or engineering discipline is required, with expertise in computational science. Applicants should have at least 5 years experience in organized research, in addition to a demonstrated record of leadership and administrative experience. Familiarity with national supercomputer centers and funding agencies is highly desirable.

Past and present employers will be contacted unless otherwise requested in writing.

The University is an AA/EQ employer and encourages applications from women and minorities, and provides reasonable accommodation to the known disabilities of applicants and employees.

A letter of application, a current curriculum vitae, and three to five letters of recommendation should be submitted to:

USI Director and Special Assistant to the President for Information Sciences Search Committee

c/o Office of the Vice President for Research (PB-2693)

210 Park Building

University of Utah

Salt Lake City, UT 84112

Applications will be accepted until the position is filled.

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**POSTDOCTORAL/TECHNICIAN POSITION**

A postdoctoral or technician position is immediately available in the mass spectrometry group of Children's Hospital Oakland Research Institute. This group has four mass spectrometers capable of FAB, electrospray MS and GC/MS and carries out mass spectrometry principally of proteins and small molecules (steroids, toxins, drug metabolites).

This position involves the quantification of clinically important steroids and other small molecules in serum and urine by GC/MS and HPLC/MS. The successful candidate will have experience in several of the following: extraction or compounds from body fluids, steroid metabolism, gas chromatography, HPLC, mass spectrometry and simple organic synthesis (e.g. of stable isotope labelled standard).

We offer a salary range of $24,825 to $34,688 annually. Please send resume to: Children's Hospital Oakland, Human Resources, 747 52nd Street, Oakland, CA 94609. EOE.

Children's Hospital Oakland

The pediatric medical center for Northern California
SENIOR SCIENTIST
MOLECULAR BIOLOGY
Boulder, Colorado

5 Prime → 3 Prime, Inc., a rapidly growing biotechnology products manufacturer, has an immediate research and development position available. The position requires a Ph.D. in molecular biology with demonstrated scientific independence and a strong record of product development accomplishment. We invite candidates with a minimum of 5 years industrial experience, who possess a strong interest in bringing in new technology, strong communication skills and a team orientation. This is a management-track position.

5 Prime → 3 Prime offers a competitive compensation and benefits package and generous relocation arrangements, plus the opportunity to pursue personal and professional growth in culturally dynamic Boulder, Colorado. Qualified candidates should send resume and 3 references to:

Human Resources
5 Prime → 3 Prime, Inc.
5603 Arapahoe Road
Boulder, Colorado 80303

University of Heidelberg

Candidates are invited to apply for the post of
PROFESSOR (C3)
in Surgical Oncology

at the Clinic for Surgery (Department: General surgery, Casualty surgery with Outpatient-Department, Director: Professor Dr. Ch. Herfarth).

Applicants should have experience in clinical oncology and an excellent academic record. They are expected to introduce molecular methods into clinical oncology and to work in close collaboration with both clinicians and basic scientists. Close links in research already exist between the Clinic for Surgery and the Deutschen Krebsforschungszentrum (German Cancer Research Centre). The successful candidate should assume head of the clinical aspect of this cooperation.

Applicants must have basic medical qualification as well as habilitation, or comparable higher academic degree.

Please apply until the 15th of October 1993 with the usual documentation to: Prof. Dr. G. Bastert, Dekan der Fakultät für Klinische Medizin I der Universität Heidelberg, Im Neuenheimer Feld 3456, 69120 Heidelberg.

NATIONAL UNIVERSITY
OF SINGAPORE

FACULTY OF SCIENCE

Applications are invited for faculty positions/appointments in one of the following departments from candidates who must possess a relevant PhD degree. Preference will be given to those who are able to teach in more than one of the areas listed under the Department they are applying to and with proven ability in research.

BOTANY

Molecular Biology
Biotechnology
Recombinant DNA-Technology
Gene Transfer Systems
Molecular Genetics

Biochemistry
Physiology
Development botany
Morphogenesis
Plant Pathology

CHEMISTRY

Analytical Chemistry
Inorganic Chemistry
(main group elements)

Electrochemistry
Materials Science

PHYSICS

Materials Science
Computational Physics
Experimental Nuclear Physics with experience in XRF/PIXE/RBS

ZOOLOGY

Marine Microbiology/Molecular Biology
Fish/Crustacean Immunology

INSECT/MARINE BIOLOGY

Marine Biology

COMPUTATIONAL SCIENCE PROGRAMME

Computational Fluid Dynamics
Computer Simulation

Statistics

Gross annual emoluments range as follows:

Lecturer: S$51,500 - 65,620
Senior Lecturer: S$59,970 - 106,030
Associate Professor: S$89,700 - 129,870

(US$1.00 = S$1.61 approximately)

The commencing salary will depend on the candidate’s qualifications, experience and the level of appointment offered. In addition, a 13th month allowance and an Annual Variable Component may be payable under the flexible wage system applicable to staff on normal contracts.

Leave and medical benefits will be provided. Depending on the type of contract offered, other benefits may include: provident fund benefits or an end-of-contract gratuity, a settling-in allowance of $81,000 or $82,000, subsidised housing or a housing allowance, education allowance for up to three children subject to a maximum of $816,425 per annum per child, passage assistance and baggage allowance for the transportation of personal effects to Singapore. Staff members may undertake consultation work, subject to the approval of the University, and retain consultation fees up to a maximum of 60% of their gross annual emoluments in a calendar year.

There are eight faculties in the National University of Singapore with a current student enrolment of some 17,500. All departments are well-equipped with a wide range of facilities for teaching and research.

All academic staff have access to the following computer and telecommunications resources: a networked microcomputer (an IBM compatible or Apple Macintosh); an IBM mainframe computer with 16 MIPS of computing power; an NEC SX supercomputer with 650 MFLOPS of computing power; departmental laser printers; a wide spectrum of mainframe and microcomputer software; voice-mail. The campus-wide network, which is based on the high speed optical fibre based FDDI technology, links up all the academic staff and student microcomputers, UNIX workstations and provides access to the mainframe computer, the supercomputer, UNIX hosts, the on-line library catalogue, CD-ROM databases, Telex, view and BITNET.

Application forms and further information on terms and conditions of service may be obtained from:

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

The Director
North America Office
National University
of Singapore
55 East 55th Street
New York, NY 10022, U.S.A.
Tel: (212) 751-0331

Enquiries may also be sent through BITNET to: PERPL @ NUS3090, or through Telefax: (65) 7783948
**POSITIONS OPEN**

**RESEARCH FELLOW IN ENDOCRINOLOGY AND NEUROENDOCRINOLOGY**

Two positions for up to 3 years available immediately for recent Ph.D. or M.D. graduates to pursue basic science research. Faculty supervision and Ph.D./M.D. training should have been completed. Experience with basic molecular biology techniques strongly preferred. University of Illinois at Chicago. **880 N. Wolcott Ave., Chicago, IL 60612.**

**POSITIONS OPEN**

**POSTDOCTORAL FELLOW**

A position is available immediately for Ph.D. or M.D. study on the mechanism of action and function of cloned calcium channel receptors. Experience in molecular biology required. NIH-funded project uses a novel approach to characterize recombinant dihydropyridine receptors and ryanodine receptors in Xenopus oocytes and in planar lipid bilayers. Send curriculum vitae and three letters of reference to: Dr. T.G. Burke, The Ohio State University College of Medicine, 410 West 12th Avenue, Columbus, OH 43210-1291.

**POSITIONS OPEN**

**POSTDOCTORAL FELLOWSHIPS**

Available immediately for molecular biologist with recent Ph.D. or M.D. To work as part of an interdisciplinary team investigating transcriptional factors in eukaryotic cells. Experience in molecular biology preferred. Send curriculum vitae and three letters of reference to: Dr. A.J. Iglewski, Case Western Reserve University, Cell Biology Program, Rhodes Hall, Cleveland, OH 44106.

**POSITIONS OPEN**

**POSTDOCTORAL FELLOWSHIP**

Available immediately for a Ph.D. or M.D. in cell biology, molecular biology, or related field. Experience with recombinant DNA techniques and protein purification is desirable. Send curriculum vitae and names of three references to: Dr. J.J. Aizenman, Laboratory of Molecular Neuroendocrinology, National Institute of Mental Health, Building 10, Room 7AB, Bethesda, MD 20892.

**POSITIONS OPEN**

**POSTDOCTORAL FELLOWSHIPS**

Available immediately for Ph.D. or M.D. study in the field of differentiated thyroid hormone action. Experience with basic molecular biology techniques strongly preferred. Send curriculum vitae and names of three references to: Dr. Alan G. Robinson, MD, Division of Endocrinology, Children's Hospital, Boston, MA 02115.

**POSITIONS OPEN**

**POSTDOCTORAL FELLOWSHIP**

Available immediately for a Ph.D. or M.D. to study the molecular biology and function of cloned calcium channel receptors. Experience in molecular biology required. NIH-funded project uses a novel approach to characterize recombinant dihydropyridine receptors and ryanodine receptors in Xenopus oocytes and in planar lipid bilayers. Send curriculum vitae and three references to: Dr. Andrew R. Marks, College of Physicians and Surgeons, Columbia University, Brockdale Center Molecular Biology, Mount Sinai School of Medicine, One Gustave Levy Place, New York, N.Y. 10029-6574. Telephone: 212-241-0309.

**POSITIONS OPEN**

**POSTDOCTORAL RESEARCH ASSOCIATE**

Two positions are available for a Postdoctoral Research Associate immediately to investigate the molecular basis for retinal degeneration in transgenic animal models. Appointments are available for Ph.D. or Ph.D. in biology, molecular biology, or cell biology, and experience in molecular biology is preferred. Competitive salary is available. The University of Illinois at Chicago Eye Center is well equipped with modern research facilities in the heart of Chicago. Please send two years of research experience and curriculum vitae with names of three references to: Jovita Banks (#9005), Department of Ophthalmology & Visual Sciences, University of Illinois at Chicago, 1855 West Taylor Street (M/C 648), Chicago, IL 60612. UIC is an Affirmative Action/Equal Opportunity Employer.

**POSITIONS OPEN**

**POSTDOCTORAL FELLOWSHIP**

Available immediately for Ph.D. or M.D. study in the field of differentiated thyroid hormone action. Experience with basic molecular biology techniques strongly preferred. Send curriculum vitae and names of three references to: Dr. Alan G. Robinson, Division of Endocrinology, Children's Hospital, Boston, MA 02115.

**POSITIONS OPEN**

**POSTDOCTORAL FELLOWSHIP**

Available immediately for a Ph.D. or M.D. study in the field of differentiated thyroid hormone action. Experience with basic molecular biology techniques strongly preferred. Send curriculum vitae and names of three references to: Dr. Alan G. Robinson, Division of Endocrinology, Children's Hospital, Boston, MA 02115.
THE PATH TO DISCOVERY

Millennium, Inc., an emerging biopharmaceutical company, will become the global leader in the commercial application of genetics and genomics to human therapeutics.

Our molecular and cellular biology programs will explore the molecular mechanisms of newly identified genes and their roles in various disease states. These technologies and insights will result in the identification of disease genes, their function and the development of disease specific therapeutics.

GENE DISCOVERY/GENOMICS

Scientists
As a scientist with an interest in genomics technologies, you will participate in a multi-faceted program directed toward the identification and cloning of disease-related genes. We are looking for individuals with leadership abilities in each of the following areas: YACs, gene-mapping technologies, cDNA library construction and screening, and high-throughput automated sequencing. Publication in leading scientific journals will be actively encouraged. BS/MS with 5+ years of relevant experience. SC-01.

Research Associates
In the cDNA core group, you will use your extensive knowledge of both construction and screening of cDNA libraries for the purpose of new gene discovery. You will also work to further develop and automate these technologies. BS/MS with 5+ years of relevant experience. SC-02.

BIOINFORMATICS

Scientists
Innovative scientist with demonstrated expertise in the field of DNA and protein sequence analysis. You will be required to develop algorithms and software to extract maximal information on gene organization and function from large amounts of genomic and transcribed sequence. You will work closely with scientists in genomics and molecular and cellular biology in an integrated effort to explore the molecular mechanisms of important disease states. This role is pivotal to the success of the research programs. SC-06.

Computer Network Analyst
You will install, develop and maintain a sophisticated information network to handle the extensive needs of the genomic, automated sequencing and biology components of the research program. You will work closely with scientists in the analysis of DNA and protein sequence structure. You should have experience in UNIX/Sun and Macintosh-based systems and be flexible in your approach. SC-07.

Bioinformatics is a critical component of the Millennium approach.

Enjoy the rewards of a collaborative environment, the challenge of progressive science, the incentive of stock ownership, and a generous compensation package. Please fax or send your C.V., indicating position code, to: Millennium, Inc., Human Resources, One Kendall Square, Building 600E, Cambridge, MA 02139, FAX: (617) 374-9379; Attn: Tony Zaritheny. An Equal Opportunity Employer, M/F/D/V.

MILLENNIUM, INC.
**RESEARCH MOLECULAR BIOLOGIST**

This opportunity in the field of medicinal molecular biology will interest you if you are a qualified researcher who wishes to join a strong team actively engaged in the development of novel therapeutic approaches in the treatment of allergic and respiratory diseases. Current efforts are directed toward identifying and characterizing novel G-protein linked receptors and developing procedures for discovering ligands which modulate their function. Our researchers are strongly encouraged to contribute to research journals and present their work at scientific meetings.

To qualify, you require a PhD in Molecular Biology and postdoctoral experience. Experience in the areas of research previously described is desirable. This position is permanent and we offer an excellent salary, benefits package and opportunity for growth within a dynamic and progressive organization.

If you would like to explore this opportunity, please write in strictest confidence giving full particulars, including salary expectations and the name of three references, to: Human Resources Associate, Merck Frosst Canada Inc., P.O. Box 1005, Pointe-Claire - Dorval, Quebec H9R 4P8.

Merck Frosst is committed to employment equity, and encourages applications from women, Aboriginals, persons with disabilities and members of minority groups. We offer a smoke-free work environment.

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**ECOGEN EUROPE s.r.l.**

Perugia, Italy

APPLICATIONS ARE INVITED FOR RESEARCH SCIENTIST AND RESEARCH ASSOCIATE OPENINGS AT ECOGEN-EUROPE S.r.l. SUCCESSFUL CANDIDATES WILL PARTICIPATE IN INSECTICIDAL NEMATODE DISCOVERY AND STRAIN DEVELOPMENT PROGRAMS.

Candidates for Research Scientist should have a Ph.D. degree in organismal biology, nematology, or entomology, and a proven research record. Preference will be given to candidates with postdoctoral experience. We seek individuals capable of working independently yet able to collaborate effectively, with strong technical abilities, and excellent communication skills. Research experience with nematodes would be useful but is not an essential requirement.

Candidates for Research Associate should have a M.S. degree or B.S. degree in organismal biology, nematology, or entomology, and at least four years of research experience. We seek individuals able to make detailed observations, analyse data, and participate in interpreting results.

EcoGen Europe S.r.l. is a subsidiary of EcoGen Inc. an internationally recognized leader in agricultural biotechnology. EcoGen-Europe is located in a state-of-the-art research facility in the beautiful Umbria region of Italy, near Perugia, an area rich in cultural and recreational diversity.

We offer a competitive compensation and benefits package and a highly professional environment. Applicants from EEC member countries are particularly encouraged. For immediate consideration, please submit a comprehensive resume and the names, addresses, and phone numbers of three references to: RAC93-2, Human Resources Department, EcoGen Inc., 2005 Cabot Boulevard West, Langhorne, PA 19047-1810, USA. Fax (215) 757-2956. An EOE Employer.
The Society of Toxicology
is pleased to announce the
availability of

1994 COLGATE-PALMOLIVE
POST-DOCTORAL FELLOWSHIP IN
IN VITRO TOXICOLOGY

Consistent with its long-standing commitment to advance the development of non-animal methods for product safety assurance, the Colgate-Palmolive Company sponsors this Post-Doctoral Fellowship Award through the Society of Toxicology, directed toward the study of in vitro toxicology, including dermal, ocular, mutagenesis, molecular biology, cell culture, or metabolism.

This award will be made for one year with an award for an additional year based on agreement between Colgate-Palmolive and the post-doctoral fellow. The award includes an annual stipend of $22,000, and additional funds that may be used for supplies, equipment, or research-related travel for a maximum award of $33,500 per year. Total administrative costs to the awardee’s institution may not exceed 8 percent annually.

The award is available to post-doctoral trainees in their first year of study beyond the Ph.D., M.D., or D.V.M. degree who are employed by academic institutions, Federal/National laboratories or research institutes worldwide. Doctoral students who anticipate completion of their degree prior to September 1, 1994 may also apply, although the doctoral degree must have been conferred before this fellowship is awarded. The application consists of a three-page description of the proposed research, the applicant’s CV, graduate transcripts, reprints and letters of recommendation. A letter from the current or proposed post-doctoral advisor, who is a member of the SOT, must be submitted that describes the nature and extent of commitment of research or other institutional resources to the applicant.

Finalists will be interviewed at the 1994 Annual Meeting of the SOT, March 13-17, in Dallas, Texas; travel expenses will be paid by Colgate-Palmolive.

Announcement and official presentation of the award will take place at the Awards Banquet on March 16. Funding may commence at that time, or no later than September 1, 1994.

Completed applications must be received at the SOT Headquarters no later than October 1, 1993. For further information and an application package, contact:

Colgate-Palmolive Post-Doctoral Award
C/O Education Committee
Society of Toxicology
1101 14th Street, N.W., Suite 1100
Washington, DC 20005-5601
Fax: (202) 371-1090
Staff Scientist, Pharmacology

Cytel is a biotechnology company committed to the discovery, development and commercialization of immunotherapeutics for the treatment of serious human diseases. Our strength is the integration of molecular immunology with leading edge pharmaceutical technologies.

This is a unique opportunity for an experienced pharmacologist to play a key role at Cytel. The individual we are seeking will be responsible for in vitro and animal research aimed at defining the intrinsic activity and understanding the mechanism(s) of action and pharmacodynamics of Cytel's lead drug candidates in the areas of inflammation and antigen recognition. This individual will interact closely with senior level scientists, as well as Cytel's safety/pharmacokinetics group and extramural collaborators. Responsibilities also include participation on multidisciplinary project teams and assisting with preparation of regulatory filings.

The successful candidate should have a Ph.D. in Pharmacology or a related scientific discipline, with 3+ years industry experience in biopharmaceuticals. An understanding of inflammation, cellular immunology and animal models of disease is desirable. Good interpersonal and communication skills are also required.

Cytel offers competitive salaries, fully paid health care benefits and stock options. Our state-of-the-art research and development facility is located in San Diego’s biotechnology center near La Jolla. To explore a career with Cytel, please send your curriculum vitae to: Stephen H. Israel, Vice President, Administration, Cytel Corporation, 3525 John Hopkins Court, San Diego, CA 92121. We are an equal opportunity employer.
**Research**

CellPro, Incorporated is a Seattle area biotechnology company focused on developing, manufacturing, and marketing of affinity cell separation systems for use in therapeutic, research, and diagnostic applications. We are currently seeking qualified candidates for the following positions.

**SCIENTIST**

**ANTIBODY DISCOVERY**

As a member of our research team the successful candidate will be responsible for providing scientific leadership for the discovery, development and acquisition of novel monoclonal antibodies for use in our cell separation technology. This individual will generate, modify and evaluate new monoclonal antibodies, and utilize molecular biology techniques to bioengineer novel antibodies. Activities will include working with an interdisciplinary team to develop new ligands and capture systems for use in new medical devices.

Candidates with a Ph.D. in biochemistry, immunology or molecular biology and a minimum of 8 years experience in monoclonal antibody development are encouraged to apply. Previous experience with development of biopharmaceuticals or diagnostic products is preferred. Excellent communication skills and the ability to work collaboratively are required.

**RESEARCH ASSOCIATE**

**MOLECULAR GENETICS**

The successful candidate will participate in the development of methods for purification and analysis of extremely rare cell types. This will involve the development of in situ hybridization techniques for very small numbers of cells.

Candidates with a BS or MS in Genetics or related discipline with 5+ years cytogenticstics, with particular emphasis on fluorescent in situ hybridization (FISH) are encouraged to apply. Experience with DNA analysis, particularly PCR is also desirable. Excellent communication skills and the ability to work collaboratively are required.

In addition to our leading technology and the Pacific Northwest lifestyle, CellPro offers competitive salaries, stock option plans and an excellent benefit program. For immediate consideration, please send your resume/c.v. and a list of professional references to:

**Human Resources, CellPro, Incorporated 22322 20th Ave., SE, Suite 100 Bothell, WA 98021-8446. FAX (206)485-4787.**

Equal Opportunity Employer.
POSTDOCTORAL POSITION IN GENETIC EPIDEMIOLOGY. Immediate opening in the Population Genetics Laboratory of an individual with a strong background in statistical genetics to work under the direction of Drs. Jean MacCluer and John Blangero. The successful candidate will join a large and highly interactive research group. Duties include determination of single gene effects on complex diseases and their risk factors. A Ph.D., M.D. or other doctorate is required. Experience with methods of complex segregation analysis and linkage analysis preferred. Annual salary between $23,691 and $33,280 commensurate with relevant experience. Interested individuals should send curriculum vitae, brief summary of research interests and names, addresses, and telephone numbers of three references to: Personnel Manager (347), Southwest Foundation for Biomedical Research, P.O. Box 28147, San Antonio, TX 78228-0147.

Equal Opportunity Employer, M/F.

POSTDOCTORAL AND GRADUATE STUDENT FELLOWSHIPS

The University of Cincinnati College of Medicine offers a modern interdisciplinary training program in environmental molecular and cellular carcinogenesis and mutagenesis. Cincinnati is a leading academic and industrial center. This 2-year endowed graduate training program provides numerous job placements. Experimental approaches within the program include the role of growth factors and oncogenes and tumor transformation, the role of transgenic cells and animals, and molecular toxicology. Participating faculty are: Dr. Kathleen Dixon (molecular mechanisms of mutagenesis); Dr. Tom Dostoevsky (growth factors, oncogenes, and tumor transformation); Dr. Michael Lieberman (growth factors, oncogenes, and differentiation); Dr. John Loper (P450 systems in yeast); and Dr. Mark Stringer (molecular biology of drug metabolism); Dr. Steven Potter (insertional mutagenesis in transgenic mice); Dr. Peter Stambrook (mutations in transgenic cells and mice; oncogenes and cell cycle; recombination and gene targeting in ES cells and mice); and Dr. David Warshawsky (mechanisms of chemical carcinogenesis).

Positio are immediately available and are funded through a national research training program. Applicants must have U.S. citizenship or permanent residency and have completed a Ph.D. degree or equivalent. Candidates should submit curriculum vitae and three letters of recommendation to: Dr. Peter J. Stambrook, Department of Anatomy and Cell Biology, University of Cincinnati College of Medicine, Cincinnati, OH 45267. An Equal Opportunity/Affirmative Action Employer.

MYASTHENIA GRAVIS FOUNDATION FELLOWSHIP

POSTDOCTORAL RESEARCH FELLOWSHIP available for outstanding candidates in immunology, M.D., Ph.D., D.V.M. or equivalent degree, conducting research pertinent to myasthenia gravis (MG), in the laboratory of a qualified senior investigator; investigations concerned with mechanisms of neuromuscular transmission; immunology, molecular or cell biology of the neuromuscular synapse; the etiology/pathogenesis, diagnosis or treatment of MG. Submit by November 1, 1993. Stipend competitive.

For specific on submitting Fellowship, please write or call: The Myasthenia Gravis Foundation, 53 West Jackson Boulevard, Suite 800, Chicago, IL 60604, telephone: 800/841-5454.

POSTDOCTORAL INTRAMURAL RESEARCH TRAINING AWARD (IRTA) FELLOWSHIP

Neuropsychologist to join research team using positron emission tomography (PET) in studies of human drug abuse. Active collaboration with the nearby Johns Hopkins Medical Institutions. Fellowship requires Ph.D. or M.D. in psychological and/or neuroimaging-related areas. Basic research in human drug abuse will be performed employing imaging techniques that incorporate use of positron emission tomography and related techniques. Duties include: a) supervision of research staff; b) participation in the development of research protocols; c) performance of experiments; d) wish cooperation with the research team; e) writing of manuscripts for publication. Position is open to cognitive psychologists; candidates with a Ph.D. in psychology or a related field are encouraged to apply. Salary is based on qualifications and experience. To apply, please visit the National Institutes of Health website at: www.nasid.nih.gov/irm/fellowships.htm. Please direct all inquiries to Dr. Richard J. O'Brien, Director, The NIDA/ADdiction Research Center is an Equal Opportunity Employer.

UNIVERSITY OF WASHINGTON RESEARCH ASSOCIATE/POSTDOCTORAL FELLOW

Postdoctoral Fellowship available immediately for a research associate or postdoctoral associate in biochemistry/biology of cell-associated cytokines in hematopoiesis. Candidates should have substantial experience in protein purification and molecular cloning techniques; candidates with Ph.D. or M.D. are preferred. Support for 1 to 2 years is anticipated. Send curriculum vitae with a statement of research interests to: Dr. Michael Liddy, Medical Oncology (111ONC), Seattle VA Medical Center, 1660 Columbus Way South, Seattle, WA 98108. The University of Washington is an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE

Positions are available on an ongoing basis to conduct research within different research groups in the Institute of Molecular Biology at the University of Oregon. The purpose of the postdoctoral training is to prepare qualified candidates for Ph.D. in Molecular Biology or related field is required. Women and minorities are urged to apply. Salary is commensurate with experience. Inquiries and applications, including three letters of recommendation, should be sent to: David E. Lilienfeld. An Equal Opportunity/Affirmative Action Institution committed to cultural diversity and compliance with the Americans with Disabilities Act.

POSTDOCTORAL ASSOCIATE position is available to study quantitative effects of prolonged ozone exposure on carbon sink/sink relationships in sugarcane maples by examining carbon allocation and partitioning and canopy and root growth over three growing seasons. A Ph.D. in plant physiology or physiological ecology is required. Send cover letter, curriculum vitae and names of three references to: Dr. Mary A. Tops, Royce Thompson Institute for Plant Research, Tower Road, Ithaca, NY 14853-1801. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE

To study follicular dendritic cells and cancer. Available December 1, 1993. The effect of FDC on malignant cell growth and differentiation will be studied using a variety of syngeneic murine models with strong background in cellular and molecular immunology are encouraged to apply. Submit statement of research interests, curriculum vitae and addresses of three references by October 15, 1993, by Dr. John G. Tew, Box 678 MCV, Richmond, VA 23298-0678. Virginia Commonwealth University is a culturally diverse Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities encouraged to apply. U.S. citizenship required by funding source.

PROTEIN CHEMIST

Growing pharmaceutical company seeks a biochemist to take responsibility for isolating, purifying, and characterizing proteins. Advancing degree with experience in enzymology, neuroscience, and/or growth factors highly desirable. Send curriculum vitae and names of three references to: Pharmasene Inc., 35 West Watkins Mill Road, Gaithersburg, MD 20878.

RESEARCH TRAINING FOR DENTAL GRADUATES

Candidates are sought for advanced postdoctoral research support by an NIH training grant at the University of Louisville School of Dentistry. Areas of research include but are not limited to: molecular genetics, microbiology, infectiology, pharmacology, immunology, biochemistry, Endocrinology, Microbiology, and Biochemistry. Candidates should have a D.D.S. or D.M.D. degree, and a postgraduate degree may also be of interest in basic or clinical research. Salaries for these three-year positions are competitive: Contact: Ma Linda Price, 301 School of Dental Medicine, Louisville, KY 40292; Telephone: (502) 888-7507, FAX: (502) 888-7240.

RESEARCH TRAINING FOR DENTAL GRADUATES

This is a U.S. federal government position for the GS-11 grade (Salary $33,625 and housing allowance). Minimum qualifications: B.S. or M.S. in biology and at least two years of experience in a laboratory engaged in DNA sequencing and related techniques. Knowledge of statistics, methods of phylogenetic analysis, computer programming and fluency in both English and Spanish are highly desirable. Please send by September 16, 1993, curriculum vitae and three letters of recommendation to: Office of Human Resources, Smithsonian Tropical Research Institute, Box 2072, Balboa, Panama.

POSTDOCTORAL/RESEARCH ASSOCIATE

Postdoctoral/Research Associate positions available immediately for study and training in cellular molecular biology relating to gene expression. Preference will be given to applicants with Ph.D. and prior experience in microscale protein purification or functional analysis of gene promoters. Send applications to: David Stiles, Neurological and Cell Biology, National Institutes of Health, 45 Center Drive, Bldg. 10, Room 5A-16, Building 5, Rockville, MD 20852. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL/RESEARCH ASSOCIATE position is available for NIH-funded research for a recent Ph.D. graduate to study molecular mechanisms of cell cycle control, G1 check points including pRb and p53, and how these may be manipulated to influence cell growth and development. Minimum: previous experience in non-beaskeletal muscle cells. Applicants should have a strong background in molecular/cell biology techniques including cloning, PCR, sequencing, electrophoresis, and experience in designing and constructing plasmids. Send curriculum vitae and cover letters to: Dr. J. H. You, Department of Molecular Pharmacology, St. Jude’s Children’s Research Hospital, 353 North Lauderdale, Memphis, TN 38101. Equal Opportunity/Affirmative Action Employer.

FISHERIES BIOLOGIST/HYDROLOGIST/GEOMORPHOLOGIST. Boise Cascade Corporation is seeking a fisheries biologist, hydrologist or geomorphologist to develop and implement programs for fisheries, watershed, and conservation. Strong interpersonal skills with the ability to effectively interact with a variety of audiences is desired. Salary range: $40,128 to $60,600. Application deadline: September 30, 1993. Send letter of interest, resume and list of three references to: Mike Brandt, Boise Cascade Corporation, P.O. Box 50, Boise, ID 83728. Boise Cascade is an Equal Employment Opportunity Employer.

PART-TIME CONSULTING POSITIONS AVAILABLE. The Futura Institute is conducting a comparative assessment of recent advances in information systems technology in the United States, Russia, and China. The current focus of the study is limited to research and applications in the areas of LAN, massive parallel processing, neural networks, supercomputing, and optical computing. Work involves evaluating the status of research and development in China and how this compares with Western literature. Time required is flexible. Qualified applicants will possess Ph.D.’s in computer science or have project management experience with hardware/software, and have recent work experience in Russia or China. Native language fluency is required. Foreign scientists on temporary visa status are especially encouraged to apply. Send curriculum vitae and summary of research/work experience to: The Futura Institute, P.O. Box 2988, Laurel, MD 20709. Confidentiality is assured. The Futura Institute is an Equal Opportunity Employer.

SENIOR LABORATORY TECHNICIAN MOLECULAR EVOLUTION

The Smithsonian Tropical Research Institute, Balboa, Panama, invites applications for the position of Senior Laboratory Technician. The successful candidate will have primary responsibility for the day-to-day management (including data analysis) of a laboratory engaged in the use of DNA to answer questions of phylogenetic, population genetics and evolution. This is a U.S. federal government position on the GS-11 grade (Salary $33,623 and housing allowance). Minimum qualifications: B.A. or B.S. in biology and at least two years of experience in a laboratory engaged in DNA sequencing and related techniques. Knowledge of statistics, methods of phylogenetic analysis, computer programming and fluency in both English and Spanish are highly desirable. Please send by September 16, 1993, curriculum vitae and three letters of recommendation to: Office of Human Resources, Smithsonian Tropical Research Institute, Box 2072, Balboa, Panama.
StressGen Biotechnologies is a dynamic and rapidly growing biopharmaceutical company devoted to medical applications of stress proteins. StressGen has initiated R&D programs aimed at producing stress protein-based immunotherapeutic agents. The following openings are available:

PROTEIN BIOCHEMISTS. (Junior and Senior Positions): Ph.D. in Biochemistry or related field with two or more years of postdoctoral experience. Extensive experience in the purification, scale-up and recovery optimization of heterologous proteins expressed in E. coli is required for these positions. Demonstrated ability to manage production of recombinant proteins for therapeutic applications is required for the Senior position.

MOLECULAR BIOLOGISTS: Ph.D. in Molecular Biology with 2 or more years postdoctoral experience in a variety of microbial expression systems and in the production and characterization of recombinant proteins. Successful candidate will be responsible for: the molecular design and development of viral and bacterial vaccines; the production and characterization of genetically engineered protein-based adjuvants and vaccine immunogens; modifying existing expression systems for optimal foreign gene expression; and the generation of novel proprietary expression systems.

VACCINE/ADJUVANT FORMULATION SCIENTIST: A Scientist with expertise in vaccine antigen presentation and delivery to enhance humoral, and mucosal immune responses is required. Individuals with experience in the use of adjuvants in human vaccine formulations and in novel antigen delivery systems will be given special consideration. Successful candidate will be responsible for formulating new and effective vaccines for delivering our genetically engineered vaccines.

Located in Victoria, British Columbia, StressGen offers a challenging and stimulating scientific environment in the natural setting of Vancouver Island. StressGen offers an excellent benefits package and competitive salary for these positions. Please send C.V. with references and salary requirements to:

Manager, Human Resources, StressGen Biotechnologies Corp., 120-4243 Glenford Avenue, Victoria, B.C., V8Z 4B9

Please note that only those individuals selected for an interview will be contacted.

DIRECTOR,
ENVIRONMENTAL HEALTH

The University of Cincinnati College of Medicine announces a search for the position of Director (Chair) of the Department of Environmental Health.

Founded 65 years ago as the Kettering Laboratory, the Department of Environmental Health is the largest and most diverse in the Medical Center. The Department has the distinction of being the first Center for Environmental Health in the U.S. With its faculty of 50, this department fulfills a vital scholarly and community-directed mission encompassing interests from environmental molecular toxicology to clinical, occupational and environmental health research. The department has highly successful training programs for graduate students at the masters, doctoral and postdoctoral levels in toxicology, occupational safety, occupational medicine, epidemiology and biostatistics, environmental and industrial hygiene and risk assessment as well as a fully ACGME accredited Occupational Medicine Residency Training Program.

We seek an individual with an outstanding record of scholarly contributions to the broad field of environmental health. It is expected that the successful candidate will be creative, innovative, demonstrate vision for advancement of environmental health, possess a strong commitment to graduate and postgraduate education, and have demonstrated organizational, managerial and leadership skills.

Applications are invited from scientists/physicians with a record of achievement in scholarship, education and leadership and are accepted until filled. Please send curriculum vitae and bibliography and the names of at least 3 references to:

Dr. Arnold Schwartz
Chairman, Search Committee
Chairman, Dept. of Pharmacology and Cell Biophysics
University of Cincinnati College of Medicine
231 Bethesda Avenue
Cincinnati, OH 45267-0575

The University of Cincinnati is an affirmative action/equal opportunity employer. Women, minorities, disabled persons, Vietnam era and disabled veterans are encouraged to apply. The UC Medical Center is a smoke-free work environment.

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PhD or MD with minimum 2 years postdoctoral research experience in immunology and cell transplantation. Position also involves pancreatic islet cell isolation.

Research Associate
BA or MA with minimum 3-5 years experience working with mammalian cells; required experience in sterile technique, tissue culture and small animal studies.

We provide an attractive salary and a strong fringe benefits package. Please submit your CV, salary history and requirements and names of three references to: BioHybrid Technologies Inc., Attn: KDV, 910 Tumpike Road, Shrewsbury, MA 01545.

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BioHybrid Technologies Inc.
NUCLEAR ACID–PROTEIN INTERACTIONS, 4TH ANNUAL SCHWEPPE SYMPOSIUM, SEPTEMBER 20-21, 1993. Sponsored by Northwestern University Cancer Center, Center for Biotechnology, and Marine Program in Developmental Biology. Sessions include Transcription factors as developmental regulators; Lygand Activators as transcription factors; inducible transcriptional responses; RNA. Protein Interactions; chromatin; structure/function of nuclear acid binding proteins and de-regulation of transcription in disease. For information and registration contact: Office of CME, Northwestern University Medical School, 303 East Chicago Avenue, Chicago, IL 60611–3008. Telephone: 312-503-8533 or FAX: 312-503-0146.

STAFF SCIENTIST

The Life Sciences Division at Lawrence Berkeley Laboratory seeks applicants to direct the high resolution genetic mapping component of the LBL Human Genome Center, an independent biology project in the human genome program. Appointment will be at the Staff Scientist 2 or 3 level depending upon the qualifications of the selected candidate. Applicants should have a broad background in molecular biology, biochemistry, or molecular genetics research with expertise in in vitro manipulations of nucleic acids and enzymes that operate on nucleic acids, and a working knowledge of the practices and principles of genome analysis, including DNA sequencing, polymerase chain reaction, and QTL genetics. Send curriculum vitae, and names of three references to: Dr. Sylvia Spengler, c/o Lawrence Berkeley Laboratory, Staffing Office, Box #JSC11323, One Cyclotron Road, Building 585A, Berkeley, CA 94720. An Equal Opportunity Employer.

APPLICATIONS ARE INVITED FOR TENURE-TRACK POSITIONS

Applications are invited for one Biotechnology/Pharmaceutical position at the rank of Assistant/Associate Professor and one Biotechnology/Pharmaceutical position at the rank of Professor. The novel Biotechnology/Pharmaceutical positions will involve faculty members to initiate and develop independent research programs in the areas of pharmaceutical and medicinal chemistry, molecular biology, drug design and discovery, consumer health products, industrial biotechnology, and/or other areas where applications of biotechnology or medicinal chemistry can be beneficial to the health industry. All candidates will be expected to teach courses, supervise graduate students, and participate in the affairs of the School of Pharmacy. Applicants must have an earned Ph.D., M.D., or equivalent, and demonstrated research productivity. The deadline for applications is January 1, 1994. Please send curriculum vitae, a synopsis of research interests, and names of three references to: Dr. Robert D. Lumsden, Research Leader, Biocontrol of Plant Diseases Laboratory, Plant Sciences Institute, Beltsville, MD; Telephone: 301-504-6582, FAX: 301-504-6598. For information on application procedures/forms contact: Gloria Snipes, ARS, Personnel, 6308 Ivy Lane, Greenbelt, MD 20770–1435 or call 301-344-0105. Applications in response to this advertisement should be marked ARS-D-3-B003S4. Applications must be postmarked by August 30, 1993.

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Quantitation of PCR products is critical to a variety of applications such as gene expression. The 373 makes it fast, easy, and accurate. With our new short gel you can quantify DNA fragment amount in just one hour. Measurements are taken directly from the gel, eliminating the delays, tedium, and safety problems associated with autoradiography. And our technology has the sensitivity to quantitate dye-labeled PCR products from a single target molecule.

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The proven four-dye, one-lane technology underlying the 373's versatility has also made it the most widely used automated DNA sequencer. With our full range of chemistries, you can sequence even the most difficult template. Because the 373 can now do so much more than sequence, it offers extraordinary value in your laboratory every day. To receive the new 373 Information Package, phone Applied Biosystems at: Australia (03) 808-7777, Benelux (0) 3465-74868, Canada (800) 668-6913, France (1) 49 90 18 00, Germany (0) 6150/101-0, Italy (02) 8912 6011, Japan (03) 3699-0700, U.K. (0925) 825650, U.S. (800) 345-5AAB.
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