PERSONNEL PLACEMENT
LINE CLASSIFIED ADVERTISEMENTS

- **Deadlines:** Ads are due by Thursday, 10 a.m., 2 weeks prior to the issue date. *Science* is published each Friday, except the last Friday of the year. Call for holiday deadlines. Advertisements must be submitted in writing.
- **How to Submit a Classified Ad:** Prepare double-spaced typewritten copy. Do not include any abbreviations. *Science* will edit and typeset ads according to *Science* guidelines. Deadline for applications stated in ad must be at least 2 weeks after date of publication. Include billing information, and desired publication date. Available categories: Positions Open, Meetings/Announcements, Courses and Training.
- **Mail or FAX mail to:**
- **Rates:** Ads are $42 per line; $420 minimum. One line equals 52 characters and spaces; centered headings equal 32 characters and spaces. A 3% cash discount is granted to all prepaid ads. If you would like *Science* to give estimated cost, indicate on letter.
- **Ads from Outside the U.S.:** Prepayment made in U.S. dollars by checks drawn on U.S. banks is required.
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- **Cancellations:** Deadline for cancellation is 10 a.m., Tuesday, 10 days prior to issue date.

DISPLAY PERSONNEL ADVERTISEMENTS

For rates and information about fractional display ads (all ads 3⁄4 page and larger) and all Marketplace listings, contact: *Science* Classified Advertising, Deborah Cummings, Advertising Manager, Telephone: 202-326-6541. Janis Crowley, Recruitment Advertising Manager, Telephone: 212-496-7704. FAX: 202-682-0816

**CONDITIONS:** Personal advertising is accepted only with the understanding that the advertisers do not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, handicap or sexual preference. The AAAS encourages employers to actively recruit and employ underrepresented minority groups. *Science* reserves the right, at its discretion, to decline to publish advertisements submitted to it.

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POSITIONS OPEN

ANATOMY AND CELL BIOLOGY FACULTY POSITION

GROSS ANATOMIST: Applications are invited for one tenure track position, at ASSISTANT PROFESSOR level. Salary will be commensurate with qualifications. Candidates should have a Ph.D., M.D., or equivalent degree, and have demonstrated ability to conduct independent research. A faculty research extramural funding. Applicants studying neuronal development with the application of molecular biological approaches to these areas are particularly encouraged to apply. Teaching responsibilities include participating in the graduate program. Applicants should submit curriculum vitae, a brief statement of research interests, and list of five references to: Dr. John J. Goss, Chairman, Department of Anatomy and Cell Biology, University of Illinois, College of Medicine, Chicago, P.O. Box 6998 (MC 512), Chicago, IL 60680. *The University of Illinois is an Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF MEDICINE/RHEUMATOLOGY: The Section on Rheumatology, Bowman Gray School of Medicine, Wake Forest University, seeks a rheumatologist with a background in molecular immunology and research expertise in human T lymphocyte biology in health and autoimmune disorders. Applicants must hold M.D. or M.D./Ph.D. and be United States citizens or permanent residents. Please submit curriculum vitae, a letter summarizing background and research goals, and names/addresses of three references to: Dr. David J. Crowley, Personnel Director, Bowman Gray School of Medicine, Medical Center Boulevard, Winston-Salem, NC 27157–1058. *Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR

The Department of Ophthalmology and Visual Sciences at the University of Illinois at Chicago (UIC) is seeking candidates to fill two (2) tenured track Assistant Professorships in Molecular Biology research. Requires a minimum of a Ph.D. in Biochemistry, Biology, or related field and at least two years of postdoctoral research. A successful publications and research record is strongly recommended. Salary commensurate with training and experience. Positions available September 1, 1992. Application deadline is August 1, 1992. Please send curriculum vitae to:

Ms. Jovita Banks (#901)
UIC Eye Center, M.D. 648
1855 West Taylor
Chicago, IL 60612

The UIC is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

PHARMACOLOGY/TOXICOLOGY

XAVIER UNIVERSITY OF LOUISIANA

We invite applicants for a non-tenure track position at the Assistant Professor level in Pharmacology/Toxicology. Applications available immediately. Postdoctoral experience is highly preferred. Both teaching and research experience is required. Candidates must have a Ph.D. in Pharmacology/Toxicology. Send letter of application, curriculum vitae, and arrange to have three letters of recommendation mailed to:

Chairman
Division of Basic Pharmaceutical Sciences
Xavier University College of Pharmacy
770 Peppin Road
New Orleans, LA 70125

SENIOR STAFF FELLOW (Assistant Professor Equivalent) available immediately at the National Institute of Health, Bethesda, Maryland to study effects of anticancer drugs on cell cycle regulatory elements, including the glycol-dependent kinase family and related phosphatases. Experience required in appropriate areas of molecular/cellular biology, protein chemistry and pharmacology of DNA-reactive anticancer drugs. Send resume and names of three references to: Dr. K. W. Kohn, Building 37, Room 5225, Bethesda, MD 20892. *An Equal Opportunity/ Affirmative Action Employer.*

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POSITIONS OPEN

STANFORD UNIVERSITY SCHOOL OF MEDICINE DEPARTMENT OF GENETICS FACULTY POSITIONS

The Department of Genetics at the Stanford University School of Medicine is seeking qualified applicants for tenure-track positions. We seek to fill two openings in the current search, although additional appointments are planned for the next few years and could in principle be filled earlier. Candidates at the ASSISTANT PROFESSOR level are preferred, although consideration will be given to applicants at all appropriate levels.

The Department is moving into newly renovated laboratories and plans specifically to develop its program of research and teaching in areas relevant directly or indirectly to the genetics of human and disease. Candidates should have a strong record of research accomplishment in any field of eukaryotic genetics, although areas with more direct applications to the human genome or genetic diseases will be preferred for these first positions. Candidates with mathematical or technological interests and accomplishments in genetic epidemiology, genomic mapping and/or sequencing studies will be considered. Candidates should expect to become involved in teaching human genetics as well as general genetics to medical and graduate students.

Stanford University is committed to increasing representation of women and members of minority groups on its faculty and particularly encourages such candidates. Candidates should send their curriculum vitae, bibliography, statement of research interests and the names of three references to: Dr. David Botstein, Chairman, Department of Genetics, School of Medicine, Stanford University, Stanford, CA 94305.

DEPARTMENT OF BIOCHEMISTRY COLLEGE OF AGRICULTURE AND LIFE SCIENCES NORTHRIDGE STATE UNIVERSITY (NCSU)

ASSISTANT PROFESSOR in the general area of protein chemistry-structure/function including but not limited to membrane proteins, protein interaction (signal transduction) in animals or plants; tenure-track; research/teaching/advising; 12 month competitive salary. The Department has strong research programs in the biochemistry, molecular biology and biophysics of macromolecules, a substantial investment in new facilities and well developed academic programs leading to the B.S., M.S. and Ph.D. degrees. Strong intramural interactions occur with Chemistry and Physics, as well as the other biomedical science departments, and extramurally with other research institutions. Start date after January 1, 1993. Applications from women and minorities are encouraged; NCSU is an affirmative, equal opportunity, affirmative action employer. Send 3 letters of recommendation to: Dr. Paul F. Agris, Department Head, Department of Biochemistry, Box 7622, NCSU, Raleigh, NC 27695–7622. Deadline: September 15, 1992.

University of Nebraska Medical Center

ASSISTANT/ASSOCIATE PROFESSOR PHYSIOLOGY AND BIOPHYSICS

Applications are invited for tenure leading faculty positions at the Assistant or Associate Professor levels in the Department of Physiology and Biophysics at the University of Nebraska Medical Center. The department is interested in recruiting individuals with a strong research program in microcirculatory or endothelial cell function and in membrane transport. At the Associate level, the candidate should show evidence of extramural funding. A competitive salary and support funds are available.

The successful candidate will also participate in the teaching programs of the department which include medical, allied health and graduate students. Please send curriculum vitae and the names of three references for positions to:

William G. Mayhan, Ph.D.
Chair, Physiology and Biophysics Search Committee
Department of Physiology and Biophysics
600 South 42nd Street
Omaha, NE 68198–4875

*"An Equal Opportunity/Affirmative Action Employer."
*"Minorities and Women are Encouraged to Apply."

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ASSISTANT PROFESSOR OF BIOLOGY

The Department of Biology of Niagara University invites applications for a nine month tenure track position in Developmental Biology available beginning August, 1992. Ph.D. and ability to teach courses in embryology-developmental biology, molecular/general genetics, and biochemistry. Postdoctoral experience is desirable. The Department of Biology is committed to excellence in undergraduate education, and teaching at the introductory and advanced levels is expected. In addition, the candidate is expected to develop an individual research program involving undergraduate students. Opportunities are also available and are encouraged for the development of collaborations with local research and industry groups. Startup funds and Departmental laboratory and research resources are available for the successful candidate. Salary is competitive and negotiable and will be commensurate with the successful candidate’s experience. Application should demonstrate exceptional abilities in teaching and research and should include curriculum vitae, three (3) letters of reference, and a summary of current and future research. Closing date for applications is July 31, 1992. Send to: Dr. Carol R. Sweeney, Chairperson Department of Biology Niagara University Niagara University, NY 14109

NIH Research Fellow/Investigator Position

MUSCLE TRANSCRIPTION FACTORS

A Research Position is available in the Laboratory of Cardiovascular Science, National Institute on Aging, National Institutes of Health, to work on the biochemistry and molecular biology of a unique class of transcription factors expressed in differentiated skeletal and cardiac muscle. Recent work in the laboratory has identified a number of factors that are either homologous to or interact with serum response factor (SRF) in skeletal muscle cell cultures and that bind to DNA elements in the 5’ flanking region of ventricular/slow alkali MLC gene to control its transcription. We are interested in isolating and cloning these factors using novel screening procedures based on protein expression and in determining how these factors interact with SRF to achieve tissue-specific transactivation and whether the expression of these factors is altered by muscle activity and aging.

Applications are invited from individuals with Ph.D., M.D., or M.D./Ph.D. degrees. Applicants with experience in molecular and/or cellular biology are especially encouraged to apply. Salary is excellent and commensurate with experience.

Interested candidates should send their curriculum vitae and a letter specifying their research interests to:

Dr. Michael T. Crow, Laboratory of Cardiovascular Science, Gerontology Research Center, National Institute on Aging, 4940 Eastern Avenue, Baltimore, Maryland 21224; (410) 558-8202.

Inquiries by FAX will be accepted at 410-558-8150.

NIH is an Equal Opportunity Employer.
The Bristol-Myers Squibb Pharmaceutical Research Institute is the R&D Division of Bristol-Myers Squibb, a worldwide leader in the discovery and development of innovative pharmaceuticals. Currently, we have positions available at our Princeton, NJ and Wallingford, CT research facilities:

PRINCETON, NEW JERSEY

ANTICANCER AGENTS DISCOVERY & DEVELOPMENT

The Department of Experimental Therapeutics invites you to join a dedicated team of scientists focused on the discovery and development of novel anticancer agents.

Postdoctoral Fellows

* Study novel approaches to cancer therapy using antibody directed delivery systems. Candidates should possess a Ph.D. in Immunology or related field. Experience in tumor biology and utilizing antibody directed delivery of drugs or radionuclides is preferred.

Research Scientists

Candidates should have a B.S. or M.S. in Biologic Biochemistry, or a related discipline and a minimum of two years of experience in one of the following areas:

* In vivo evaluation of novel antitumor agents. This will involve preparing materials for injection using analytical and aseptic methodology, administering materials to mice via ip, sc, po or iv routes, preparing tumor cells for implantation, measuring tumors and performing minor surgery. Familiarity with computer data entry is a plus.

* In vivo evaluation of immunoconjugates in human tumor xenograft models and in tissue cultures in vitro.

* In vitro bioassay of natural products for antitumor activity. This includes tissue culture, sample organization, performance of assay, data analysis and reporting. In-depth studies involving the elucidation of the mechanism of action of active agents will be carried out as necessary. Experience with mammalian tissue culture and radionuclides for biological studies is preferred. Knowledge of molecular biology techniques is a plus.

* Enzyme assays in the area of lipid biochemistry.

* Biochemical/molecular biology studies involving the analysis of functional domains of proteins and their interactions with drugs. Candidates should be familiar with protein extraction/purification, SDS-PAGE, Western blotting, cell culture and competitive ELIZA binding assays. Experience with molecular biological techniques is preferred.

For consideration, please forward your resume to: Bristol-Myers Squibb Pharmaceutical Research Institute, Human Resources Dept. #337-BM, P.O. Box 4000, Princeton, NJ 08543-4000.

WALLINGFORD, CONNECTICUT

RESEARCH INVESTIGATOR NEUROBIOLOGIST

We have an opening for a Research Investigator in our CNS Cell Biology, Drug Discovery Group. This is an excellent opportunity for a Neurobiologist to join our team working on neurodegenerative disorders. The successful candidate will develop a cell-based program that will complement on-going research in amyloid precursor protein biochemistry, transgenic models of neurodegenerative diseases, and molecular neuropharmacology. Research projects of interest to our group include intracellular protein trafficking, neuronal specific gene expression, growth factor/cytokine effects on gene expression, and immortalization of neural cell lines.

Candidates should have a recent Ph.D. in Neuroscience or related discipline with training in cell and molecular neurobiology. Direct experience in tissue culture is required.

Please send resume with salary history to: Bristol-Myers Squibb Pharmaceutical Research Institute, Dept 803LB-0465, P.O. Box 5101, Wallingford, CT 06492-7661. Equal Opportunity Employer, M/F/D/V.

Bristol-Myers Squibb Company

POSITIONS OPEN

ASSISTANT PROFESSOR
MOLECULAR REPRODUCTIVE BIOLOGY

Applications are invited for a tenure-track position at the Assistant Professor level beginning in the fall of 1992 with a primary appointment in the Department of Urologic Surgery and a joint appointment in the Department of Cell Biology and Neuroanatomy. Applicants must have a Ph.D. and/or M.D. with at least two years of postdoctoral experience. We are seeking candidates who will establish an extramurally funded program using cellular and molecular approaches to male reproduction and are interested in interacting with other members of the department who study the cell biology of the testis, epididymis, and sperm. In addition, the candidate will be expected to participate in teaching one of the basic medical courses offered by the Department of Cell Biology and Neuroanatomy and in the graduate program. Interested candidates should send their curriculum vitae, a statement of current and future research interests, and three letters of recommendation no later than 1 September 1992 to: R.V. Menken, Department of Cell Biology and Neuroanatomy, University of Minnesota, 4-135 Jackson Hall, 321 Church Street SE, Minneapolis, MN 55455. Start date of the position is 1 October 1992. The University of Minnesota is an Equal Opportunity Educator and Employer.

The University of Michigan Medical School, Department of Pathology is seeking three individuals to fill openings in our Immunopathology Research Program at the ASSISTANT PROFESSOR/ASSOCIATE PROFESSOR level. Applicants should have a demonstrated record of involvement in Immunopathology or related research. Individuals with M.D. or Ph.D. background are eligible. They should have demonstrated evidence of independence in research, research grant funding and experience in the use of techniques of molecular biology. The University of Michigan is an Equal Opportunity Employer and welcomes applications from members of minority groups. Inquiries should be directed to: Peter A. Ward, M.D., Godfrey D. Stobbe Professor and Chairman, Department of Pathology, The University of Michigan Medical School MS240 Medical Science I Building, Box 0602 1301 Catherine Ann Arbor, MI 48109-0602

A Non-discriminatory/Affirmative Action Employer.

MOLECULAR RETROViroLOGY

Applications are invited for a tenure track position at the ASSISTANT OR ASSOCIATE PROFESSOR level in virology at The Johns Hopkins University (JHU) School of Hygiene and Public Health. The Johns Hopkins Medical Institutions have a broad research program in the epidemiology, virology, immunology, pathogenesis, and treatment of HIV infection. The successful applicant will be a creative scientist who will be expected to establish an independent research program in the molecular aspects of HIV pathogenesis. New laboratories with funds for equipment, three years of support for an investigator and technician, and extensive opportunities for collaboration are available. Women and members of minority groups are encouraged to apply. Interested candidates should submit curriculum vitae, description of research goals, and names and three references to: Dr. Noel R. Rose, Department of Immunology and Infectious Diseases, JHU School of Hygiene and Public Health, 615 North Wolfe Street, Baltimore, MD 21205. JHU is an Affirmative Action/Equal Opportunity Employer.

PROFESSOR AND CHAIR, DEPARTMENT OF BIOLOGICAL CHEMISTRY. The University of California, Irvine (UCI), College of Medicine, seeks outstanding scientist in molecular biology or biochemistry, including, but not limited to, disciplines such as developmental biology, neurobiology, and human genetics. The candidate must be of great distinction, and lead an active research program. Send nominations or applications to: Professor Francisco J. Ayala, Chair of Search Committee, c/o Janet Nash, Room 246 Irvine Hall, College of Medicine, University of California, Irvine, CA 92717. Nominations and applications will be accepted through October 1992. UCI is an Affirmative Action/Equal Opportunity Employer. Nominations of and applications from women and minorities are encouraged.

Bristol-Myers Squibb Company
**PROFESSORSHIPSHIPS 1993/94**

**The Weizmann Institute of Science, Rehovot, Israel** offers a limited number of Visiting Professorships in the Natural and Exact Sciences.

The Visiting Professorships are intended for candidates already holding the rank of Full Professor or equivalent and will be for a duration of two months to one year.

Deadline for submission of completed applications is November 30, 1992.

For further information or application forms, please contact: The Academic Secretary, The Weizmann Institute of Science, Rehovot 76100, ISRAEL. (Telex: 972-8-381300, FAX: 972-8-471667, Bitnet: RSMARJOR @ WEIZMANN).

**Central Michigan University (CMU), an Affirmative Action/Equal Opportunity Institution, encourages diversity, and resolves to provide equal opportunity regardless of race, sex, handicap, sexual orientation, or other irrelevant criteria.**

**MANAGER OF GREENHOUSE, BOTANY LABORATORIES AND HERBARIUM.**

CMU is seeking a Manager to maintain Greenhouse, Botany Laboratories and Herbarium and supervise, coordinate and assist graduate teaching assistants in the performance of botany laboratories. Education equivalent to master's degree in biology, botany, horticulture or related field, knowledge of greenhouse operations and techniques, herbarium practice and training, experience with microcomputer systems, and at least one year of supervisory experience of a qualifying nature required. Salary: $23,565 to $30,070, commensurate with qualifications. Please submit curriculum vitae, transcripts and three reference letters by July 31, 1992, to: CMU, Personnel Services, 109 Rowe Hall, Mt. Pleasant, MI 48859.

**MEDICAL COMMUNICATIONS ASSOCIATES.** Glaxo Inc., one of the largest pharmaceutical firms in the United States, is seeking individuals with proven scientific writing skills to assist in developing and writing manuscripts, posters, and monographs. Individuals with proven skill in preparing educational materials will create new disease- or pharmaceutical-related educational programs for health care professionals. Individuals with experience preparing NDAs will develop and write clinical study reports and integrated summaries. An advanced degree in a biomedical discipline is preferred. Experience in clinical research, the pharmaceutical industry, or the preparation of medical education materials is required, as are excellent communication skills. Desktop publishing experience is a plus. Send resume and nonreturnable writing samples to Human Resources Department, Job #83308006-SC, Glaxo Inc., P.O. Box 13398, Research Triangle Park, NC 27709. (No phone calls, please.) Equal Opportunity Employer. M/F/H/V.

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**PROTEIN CHEMISTRY**

**Research at Pfizer**

The Department of Molecular Genetics and Protein Chemistry, a rapidly growing group which plays a vital role in Pfizer’s drug discovery research, is seeking qualified candidates for the following research positions:

**Peptide Chemist—PhD**

Responsibilities include synthesis and characterization of peptides and peptide analogs for a variety of uses, using manual and automated solid phase BOC and FMOC chemistries. The successful candidate will have a PhD in Chemistry or related field, and 2-3 years of postdoctoral experience. Experience in the use of peptide libraries, protein chemistry and protein-peptide interactions is preferred.

**Protein Biochemist—PhD**

Join a multidisciplinary research team dedicated to the purification and biochemical characterization of novel proteins which represent therapeutic drug targets. Experience with modern chromatographic and electrophoretic methods of protein purification and analysis is essential. Familiarity with recovery and recombining DNA-derived proteins and biophysical methods for protein structural analysis is highly desirable. Candidates should have a PhD in Biochemistry or related field, with at least 2 years experience in purifying proteins.

**Protein Chemists—BS/MS**

We are seeking BS or MS level candidates with a degree in Biochemistry or related field to assist in the application of new and emerging technologies in protein chemistry. The successful candidates should have 1-3 years of experience with protein chemistry and purification. Familiarity with molecular biology techniques is desirable.

Through a range of innovative programs, our Protein Chemistry Group unites the disciplines of molecular biology, peptide chemistry, biochemistry, and biophysics to enhance the discovery and development of novel therapeutics for a variety of diseases. Our research team is comprised of highly creative and skilled individuals who thrive on challenge and the development of emerging technologies.

In addition to a stimulating scientific environment, we offer competitive salaries and a full range of benefits, including a generous relocation package. Our expanding state-of-the-art facilities, located on the Connecticut shore, provide a collegial, team-oriented work environment. Qualified applicants may send a resume, description of research experience, and names of three references to: Mr. Kym Godd, Personnel Associate, Employee Resources, Pfizer Central Research, Eastern Point Road, Groton, CT 06340. An equal opportunity employer.
ASSOCIATE DIRECTOR
Bioanalytical Department

Wyeth-Ayerst Laboratories is a division of Fortune 100 American Home Products Corporation, a leading manufacturer and marketer of health care products with multi-billion dollar annual sales and an impressive record of growth for profitability. We are currently seeking an Associate Director for the Bioanalytical Department in our Drug Metabolism Division.

The incumbent will lead a group of scientists in the designing, conducting, evaluation and reporting of preclinical pharmacokinetic and toxicology studies. The Associate Director will also supervise the development of accurate, rapid and sensitive bioanalytical methods and the provision of analytical services to Drug Safety and Clinical Research.

Qualifications include a Ph.D. in Analytical Chemistry, Pharmacy or Pharmacology with a minimum of 7 years experience, especially in the analysis of drugs and metabolites in biological matrices. Expertise in chromatography, immunoassays and radiochemical procedures is necessary.

Wyeth-Ayerst offers an excellent compensation and benefits package in a highly professional environment. Our research laboratory is just minutes away from Princeton University and is convenient to many other cultural, educational and leisure activities. Please forward resume with salary requirements to: WYETH-AYERST RESEARCH, Personnel Manager, Position #444, CN 8000, Princeton, NJ 08543-8000. An equal opportunity employer, M/F/D/V responses encouraged. Principals only.

Research Opportunities

SysTemix is an innovative Northern California biotechnology company utilizing revolutionary technology, our SCID-hu mouse model, for the study of human disease and its treatment. We are also pioneering the clinical use of cellular therapies, focusing on the human stem cell, its identification and characterization, its growth in response to novel factors, and its potential use in cancer treatment.

Today, we seek talented R&D professionals with expertise in the following areas:

- **Hematopoiesis research:** cell biology, factorology, and preclinical pharmacology
- **Monoclonal antibody development**
- **Development of hematopoietic cells and growth factors for clinical applications:** mammalian cell culture, cell separation methods development, and cell product characterization
- **Immunology:** antibody isolation, purification, and conjugation
- **Carbohydrate and/or nucleic acid chemistry**

Candidates should have a PhD, MS, or BS in a related scientific discipline and 2+ years' industry experience. Please send your resume to SysTemix, Inc., Attn: Human Resources, 3400 W. Bayshore Road, Palo Alto, CA 94303. Or FAX it to Dept. SCI-7/17 at (415) 856-4919. EOE.

DIRECTOR
General Clinical Research Centers Program
National Center for Research Resources
National Institutes of Health

The National Center for Research Resources (NCRR) is seeking applicants for the position of Director, General Clinical Research Centers (GCRC) Program. This position is located in Bethesda, Maryland, and is a permanent full-time position with a salary range of $90,000 to $112,100 per annum commensurate with qualifications. Physicians may be eligible for Physician Comparability Allowance ranging from $5,000 to $20,000 per year.

The Director, GCRC Program, is responsible for planning, developing, managing and evaluating a multimillion dollar program of grants and contracts which supports high quality clinical research throughout the Nation. The GCRC Program currently supports 74 General Clinical Research Centers with a 600 research bed capacity and an annual budget of approximately $118 million. Applicants for this Senior Executive Service position must have a Doctor of Medicine degree or equivalent. Send applications to: Ms. Pathenia Wiggins, NCRR, Building 31, Room 3B50, 9000 Rockville Pike, Bethesda, MD 20892

For application forms and a copy of the requirements, contact Ms. Wiggins at NCRR on (301) 496-1524. Deadline for applications is July 22, 1992.

Public Health Service Commissioned Officers interested in performing the duties of the position within the Commissioned Corps may submit a resume to the above address.

NIH is an Equal Opportunity Employer
Research Project Leaders

Clintec Technologies, Inc. is part of a joint venture between Baxter Healthcare Corporation and Nestle, S.A. Our new initiative in the clinical and pre-clinical development of glutathione stimulating drugs has created challenging opportunities for three persons with project leader/senior research backgrounds who are ready to manage and lead our research & development efforts in the following specialty areas:

Reperfusion Injury
Ph.D. in Physiology, Biochemistry or Pharmacology; expertise and experience in myocardial, pulmonary and/or cerebral reperfusion injury is required. Knowledge of mitochondrial function and metabolism, biophysics, and free radical biology is essential.

Immunology
Ph.D. in Immunology; expertise and experience in AIDS, inflammation and/or autoimmune diseases is required. Knowledge of the intracellular effects of free radical/hydrogen peroxides on immune cell function and signal transduction is essential.

Oncology
Ph.D. in Cell Biology; expertise and experience in oncology is required. Knowledge of chemotherapy induced toxicity and drug resistance relative to intracellular thiol and free radical generation is essential.

These are non-laboratory positions which are responsible for managing all aspects of scientific projects conducted through other leading researchers outside of Clintec. We therefore value persons who have demonstrated ability in team leadership and business communications. Our preferred candidates will also have 3 years post-doctoral training, and 3-5 years of pharmaceutical industry experience which includes independent research and direction of a multidiscipline team.

Take the Initiative in the Development of Glutathione Stimulating Drugs.

At Praxis, you'll help improve the quality of a lot of lives. Including your own. Our Rochester, NY research facility is located within easy reach of some of New York state's most attractive cultural, educational and recreational resources.

SR. RESEARCH SCIENTIST
As a member of our bacteriology group, you'll be part of a team of scientists working to determine mechanisms of bacterial pathogenicity and the host response. Research will be directed toward identifying and isolating components for vaccine candidates. A Ph.D. in Microbiology or a related field is required, as well as several years' relevant experience in pathogenic bacteriology research. In addition, you should have experience in immunology and protein purification. Supervision of support staff will also be required. At Praxis, you'll enjoy a professional atmosphere and the kind of salary and benefits package you'd expect from an industry leader. Please send your resume to Human Resources Department, 30 Corporate Woods, Rochester, NY 14623. An Equal Opportunity Employer.

Clintec Technologies, Inc.
Affiliated with Baxter Healthcare Corporation & Nestle, S.A.
POSITIONS OPEN

COLORADO STATE UNIVERSITY
COLLEGE OF NATURAL RESOURCES

Applications and nominations are invited for ASSOCIATE DEAN FOR RESEARCH. Major responsibilities will be to promote research and identify research opportunities for College faculty and to serve as DIRECTOR OF NATURAL RESOURCE ECOLOGY 1993-1995. Interdisciplinary research is involved in ecosystem studies. In addition to administrative and management skills, applicants should have a Ph.D., an acknowledged national and international reputation in research and qualifications sufficient for tenure at the rank of Professor in one of the departments of the College. Nominations and applications, including curriculum vitae and names of three references, should be submitted by September 15, 1992 to: Dr. Donald O. Doehring, Search Committee Chair, Department of Earth Resources, Colorado State University, Ft. Collins, CO 80523.

Colorado State University is an Equal Opportunity/Affirmative Action Employer.

ECOLOGIST

PROGRAM DIRECTOR

The National Research Initiative Competitive Grants Program of the U.S. Department of Agriculture (USDA) seeks to establish a new program to provide grants for research administration in the area of water quality (encompassing soil chemistry and biophysics; rhizosphere biology, soil, plant and microbial interactions; plant/water interactions; and loss of forestland). Candidates must have a B.S. or higher degree with major study in biology or a related field of science. Applicants with research experience in the field of ecology are desired. In addition the candidate must have a Ph.D. or equivalent experience in soil chemistry, soil physics, microbiology, ecology, plant physiology or a related discipline of biological, chemical, physical or earth science.

Closing date is August 17, 1992. For information on this position contact: Dr. Anne Darke, National Research Initiative Competitive Grants Program, USDA, CSRS/USDA, Room 323 Aerospace Building, Washington, DC 20250-2200. Telephone: 202-416-4871.

For complete procedures/forms, contact Ms. Delicia Taylor, Personnel Office, telephone: 202-690-0089. USDA is an Equal Opportunity Employer.

SENIOR FACULTY POSITION

BIOMOLECULAR X-RAY CRYSTALLOGRAPHY

WASHINGTON STATE UNIVERSITY (WSU)

The Department of Biochemistry and Biophysics seeks a well-established crystallographer with outstanding abilities in research and teaching interests; at least five years of experience beyond the doctorate in the crystallography of proteins (or protein-nucleic acid complexes). Applications will be screened beginning September 21, 1992 until the position is filled. Interviews for selected applicants, the successful candidate will be appointed part-time at absentia and collaborate with WSU faculty in securing funds to develop the Laboratory of Biomolecular Crystallography. The individual will be appointed full-time as Associate or Full Professor when equipping and staffing of this Laboratory are assured; the target date is August 16, 1994. Send curriculum vitae, research plans, names, addresses, telephone and FAX numbers for four references to: Dr. B. A. McPadden, Search, Washington State University, Pullman, WA 99164-6600. Telephone: (509) 335-4937. WSU IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EDUCATOR AND EMPLOYER. PROTECTED GROUP MEMBERS ARE ENCOURAGED TO APPLY.

POSTDOCTORAL POSITION

MOLECULAR BIOLOGY OF AGING

University of Texas Medical Branch (UTMB) at Galveston. GRADUATE, POSTDOCTORAL, and TECHNICAL positions are available at the B.S., M.S., and Ph.D. levels. The research laboratory of Dr. Papaconstantinou, Joan M. Lakoski, Regino Perez-Polo, and E. Aubrey Thompson from a new 5-year Program Project Grant from NIH (NS 30291) is seeking postdoctoral and technical associates. Research emphasis is on age-related changes in: regulation of the acute phase liver response (IF); serotonin and corticosteroid function in the hippocampus (JML); responsiveness to nerve growth factor in CNS neurons and glia (RP-P); and transcriptional regulation of ribosomal components (EAT). Send curriculum vitae, letter stating career goals and lab of interest, and telephone addresses of three references to: Dr. David A. Konkel, Research Coordinator, Department of HBCG, UTMB, Galveston, TX 77555. UTMB is an Equal Opportunity/Affirmative Action Employer. Submit a complete curriculum vitae and two letters of recommendation.

POSTDOCTORAL POSITION

MOLECULAR BIOLOGY OF AGING

University of Texas Medical Branch (UTMB) at Galveston. GRADUATE, POSTDOCTORAL, and TECHNICAL positions are available at the B.S., M.S., and Ph.D. levels. The research laboratory of Dr. Papaconstantinou, Joan M. Lakoski, Regino Perez-Polo, and E. Aubrey Thompson from a new 5-year Program Project Grant from NIH (NS 30291) is seeking postdoctoral and technical associates. Research emphasis is on age-related changes in: regulation of the acute phase liver response (IF); serotonin and corticosteroid function in the hippocampus (JML); responsiveness to nerve growth factor in CNS neurons and glia (RP-P); and transcriptional regulation of ribosomal components (EAT). Send curriculum vitae, letter stating career goals and lab of interest, and telephone addresses of three references to: Dr. David A. Konkel, Research Coordinator, Department of HBCG, UTMB, Galveston, TX 77555. UTMB is an Equal Opportunity/Affirmative Action Employer. Submit a complete curriculum vitae and two letters of recommendation.

POSTDOCTORAL POSITION

MOLECULAR BIOLOGY OF AGING

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G-PROTEINS AND DIFFERENTIATION

POSTDOCTORAL POSITIONS, DEPARTMENT OF MOLECULAR PHARMACOLOGY, SUNY/STONY BROOK are available immediately to study the cell and molecular biology of G-protein-mediated regulation of differentiation using on-going hybrid strategies including antisense RNA, mutagenesis, indirect immunofluorescence/confocal microscopy, and transgenic mouse technology. Experience in recombinant DNA or biochemical techniques required. Send or FAX (516-444-7696) resume and two letters of reference to: Dr. Craig C. Malbon, Pharmacology, School of Medicine, Health Sciences Center, SUNY/Stony Brook, Long Island, NY 11794-8651.

POSTDOCTORAL POSITION, ENDOCRINE TOXICOLOGY/METABOLISM. Postdoctoral position is available to study stress-toxicity interactions and glutathione-dependent metabolism of organophosphorus insecticides. The position will also participate in pharmacokinetics and safety assessment studies. Please submit curriculum vitae and three references to: Dr. Barry S. Levine, Director, Toxicology Research Laboratory, Department of Pharmacology, University of Illinois at Chicago, P.O. Box 6998, Chicago, IL 60680. Equal Opportunity/Affirmative Action Employer.

TWO POSTDOCTORAL POSITIONS:

(1) The study of the molecular aspects of radioresistance. Experience in a variety of molecular biology techniques, including gene cloning, is essential. (2) The study of signal transduction as it relates to the physiology of the radiation response. Experience in a variety of molecular biology/chemistry techniques is essential. Send curriculum vitae and names of three references to: Dr. Ralph R. Witebski, University of Chicago, Department of Radiation and Cellular Oncology, 8841 South Maryland Avenue, MC0085, Chicago, IL 60637. The University of Chicago is an Equal Opportunity Employer.

PEI FOOD TECHNOLOGY CENTRE

POSTDOCTORAL RESEARCHER

The Prince Edward Island (PEI) Food Technology Centre provides technical support to the food industry. It has an annual budget of $2.0 million and a staff of 30 people. The 3.3 million facility has well-equipped pilot plant and laboratory and engages in both contract work for clients and Centre initiatives.

The Centre is seeking a Postdoctoral researcher for an 18 to 24 month project to identify and develop new product ideas. The successful candidate will possess a Ph.D. in Meat Science, Food Science or a closely related field. Experience, innovative and excellent communication skills (oral and written) and computer competence are among the requirements for this challenging position. This opportunity offers salary and benefits commensurate with qualifications and experience. Please state specific salary expectations. If you are seeking a challenging position with a centre of excellence in food technology, please forward your curriculum vitae in confidence to: PEI Food Technology Centre, P.O. Box 2000, Charlottetown, PEI, C1A 7N8. Closing Date: July 31, 1992.

POSTDOCTORAL POSITION—CARDIAC ELECTROPHYSIOLOGY, UNIVERSITY OF VERMONT. Available now, to study calcium-activated chloride currents in mammalian heart. Experience with patch clamp and cardiac myocyte isolation preferred. Please send curriculum vitae, statement of research interests and experience, and names and addresses of three references to: Dr. W. R. Gibbons, Department of Physiology and Biophysics, University of Vermont, SSB South Park Drive, Colchester, VT 05445. Equal Opportunity/Affirmative Action Employer.

IMMUNOBIOLOGIST. Postdoctoral position August 1, 1992 or longer. Extensive experience in molecular and cellular biology relevant to cytokines: isolation, purification and sequencing of IL-1 and IL-2 using inverted nucleotides; expression in transgenic mice and vitrification and naming of three references to: Dr. Edwin L. Cooper, Laboratory of Comparative Immunology, Department of Anatomy and Cell Biology, School of Medicine, University of California, Los Angeles, CA 90024-1763. UCLA is an Equal Opportunity/Affirmative Action Employer.

We'll Help You Build A New Lab
Let the free Science product information service put you in touch with the vendors whose products you will need.
Simply write us a letter stating the specifics about your proposed lab and the instruments and supplies you need. We will do the rest. Write to:

SCIENCE Magazine
New Lab Service Department
1333 H Street, N.W., Rm 830
Washington, DC 20005

The Global Money of Science
Make A Difference In The Quality of Life

Baxter Biotech Immunotherapy Division, a leader in the area of human plasma-derived protein therapeutics, is undertaking the development of its next generation of therapeutics with the aid of state-of-the-art biotechnology. We seek an energetic individual who can contribute effectively in a multidisciplinary R&D environment:

SCIENTIST IV

Virology

The successful candidate will assist in a broad range of R&D activities, including feasibility research, drug development and evaluation, as well as PLA/IND support, assay development and applied viral research. A PhD is required in Virology, Microbiology, Biology, Biochemistry or a related field, plus 2-3 years post doctoral experience in Virology. Applicants must possess a strong background in general virology, as well as experience with DNA viruses, Hepatitis B, Papilloma viruses and viral oncogenesis.

The name Baxter Healthcare Corporation is synonymous with products, systems and services devoted to improving health care throughout the world. We are a Fortune 100 company providing a smoke-free environment, competitive compensation and benefits. Please send your resume in confidence to: Baxter Biotech Immunotherapy Division, Human Resources Dept. LD/V-4, 1710 Flower Avenue, Duarte, CA 91010. An Affirmative Action/Equal Opportunity Employer.

Immunotherapy Division

Baxter

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NIH RESEARCH FELLOWSHIP POSITION

An NIH Intramural Fellowship (Intramural Research Training Award/Visiting Fellow) is immediately available for a vascular cell biologist with Ph.D., M.D., or M.D./Ph.D. degrees at the National Institute on Aging, National Institutes of Health. The scope of the research entails studies of vascular smooth muscle and endothelial cell differentiation, synthesis and remodelling of extracellular matrix proteins, and the elaboration of factors which govern growth and regulation of these constituents during aging and following mechanical injury to the blood vessel wall. Candidates with experience in basic cytochemical techniques, autoradiography, immunohistochemistry, in situ hybridization and electron microscopy will be given preference. Salary is commensurate with experience. The position affords a unique opportunity to interact with a team of scientists in various disciplines (including molecular and cellular biology, physiology, biochemistry, and biophysics) with a commitment to the investigation of vascular disorders and aging.

Applicants should submit an application letter specifying their research interests, curriculum vitae and three letters of recommendation to:

Dr. Edward Lakatta, Chief
Laboratory of Cardiovascular Science
Gerontology Research Center
National Institute on Aging
4940 Eastern Avenue
Baltimore, MD 21224

Inquiries accepted by FAX: (410) 558-8150.

NIH is an Equal Opportunity Employer

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THE SWISS FEDERAL INSTITUTE OF TECHNOLOGY LAUSANNE
L'ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)

announces the opening of a tenured position as

PROFESSOR OF CERAMIC POWDER TECHNOLOGY

responsible for the direction of the Ceramic Powder Technology Laboratory of the Department of Materials Science and Engineering.

Women are particularly welcome.

Deadline for application: 31 August 1992

The successful candidate will enter into service: To mutual agreement.

For further information concerning the position, please write to:

Secrétariat général de l'Ecole Polytechnique
Fédérale de Lausanne
CE-Ecublens-1015 LAUSANNE, SUISSE
POSITIONS OPEN

POSTDOCTORAL POSITIONS are available to study mechanistic and functional relationships in native and cloned ION CHANNELS in a collaborative, multi-investigator environment (Drs. P.B. Bennett, K.T. Murray, D.T. Snyder, M.M. Tamkun) Send curriculum vitae and names of three references to: Dr. P.B. Bennett, Department of Pharmacology, Vanderbilt University School of Medicine, Nashville, Tennessee 37232.

An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITIONS are available to study molecular mechanisms of atherosclerosis and hyperlipidemia with special emphasis on growth and differentiation of vascular endothelial and smooth muscle cells. Experience in molecular cloning, gene regulation, cell biology, or transgenic models is desirable. Please send curriculum vitae and a letter of interest to: Dr. R. Davis, Cell Biology, Building R, Section of Biological Sciences, Harvard School of Public Health, 677 Huntington Avenue, Boston, MA 02115.

POSITIONS OPEN

POSTDOCTORAL POSITIONS in MOLECULAR BIOLOGY are immediately available to study the in vitro selection of protein/nucleic acid interactions and novel ribozymes. [Nature, 346:818 (1990)] Experience in either synthetic organic chemistry or molecular biology is highly desirable. Experience in the evolution/construction of macromolecular host-guest complexes, and with requirement in the use of recombinant technologies. Training in molecular biology is available; this position is ideal for candidates wishing to straddle the interface between chemistry and biology. For MOLECULAR BIOLOGISTS: projects involve the evolution of nucleic acid sequences that mimic binding sites for viral proteins, and will require experience in the in vitro amplification and recognition of both RNA and DNA. Send resume and references to: Dr. Andrew Ellington, Department of Chemistry, Indiana University, Bloomington, IN 47405.

An Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL POSITIONS in BIOCHEMISTRY are immediately available in our laboratory examining the structure and function of transport proteins from Gp120 and diacylglycerol through a new MAP Kinase. One position is available for a molecular biologist with expertise in cDNA cloning and DNA sequencing, the second for a biochemist. Salary commensurate with area. Send curriculum vitae and names/phone numbers of two references to: Dr. Eileen Friedman, Director, Laboratory of GI Tumor Biology, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, Box 244, New York, NY 10021. FAX: 212-717-3053.

POSITIONS OPEN

POSTDOCTORAL POSITION in DROSOPHILA DEVELOPMENT is immediately available August 1992 to study regulation and determination of genes by transcription and alternative splicing. Please send curriculum vitae and names of references to: Dr. Leslie R. Bell, Molecular Biology Program, SSH 172, University of Southern California, Los Angeles, CA 90089-1340; FAX: 213-740-8631.

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIP is immediately available for molecular biologist with recent Ph.D. or M.D. to work as part of an interdisciplinary team investigating membrane proteins and intracellular signal transduction in vascular cells. Applicants should have experience in molecular cloning techniques; experience in biochemistry helpful. The appointment is for at least two years. Please send curriculum vitae including names and addresses of three references to: Dr. T. Mak, Ph.D., Hematology-Oncology, 7 Silverstein Pavilion, Hospital of the University of Pennsylvania, 3400 Spruce Street, Philadelphia, PA 19104.

POSITIONS OPEN

POSTDOCTORAL POSITIONS are available in August at Vanderbilt University School of Medicine. Research involves design of HIV vaccine and protein engineering. Training in immunology, lipid/liposome chemistry or peptide/protein chemistry is desirable. Please send curriculum vitae and names of three references to: Dr. James P. Tam, Department of Microbiology and Immunology, A8301 Medical Sciences Building, Vanderbilt University, Nashville, TN 37232-2363. Vanderbilt University is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIP in the area of regulation of mammalian cell proliferation is available. A position is immediately available to study the effects of cell proliferation agents on human cell lines. Please send curriculum vitae and names of three references to: Dr. C. Yang, The Population Council, Center for Biomedical Research, 1230 York Avenue, New York, NY 10021.

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIPS available in the general areas of physical mapping of human chromosome regions, proteogenomics, and research into the etiology of human neurodegenerative diseases such as Alzheimer Disease and ALS. Methods involve hybridization, automatic cell genetics, and transgenic animal studies. Send curriculum vitae, statement of research interests and names of three references to: Dr. David Patterson, President, Eleanor Roosevelt Institute, 402004, 11450 N. Kendall Drive, Miami, FL 33176. An Equal Opportunity/Affirmative Action Employer; Women and minorities encouraged to apply.

POSITIONS OPEN

POSTDOCTORAL POSITION is available September 1992 to join a new research team investigating the molecular basis of familial Alzheimer's disease. Projects include structure/function studies of YAC technology to develop in vitro models and gene targeting in embryonic stem cells to develop animal models. Experience in molecular genetics, genomics, culture of embryonic stem cells or mouse embryology would be an advantage but not essential. Curriculum vitae and letters of recommendation should be sent to: Dr. Alison Goute, c/o Theodore Reich, M.D., Department of Psychiatry, Jewish Hospital of St. Louis, 216 South Kingshighway, St. Louis, MO 63110.

POSITIONS OPEN

POSTDOCTORAL POSITION available for studying the enzymology and molecular biology of uracil-DNA repair in mammalian cells. Recent Ph.D. in biochemistry or related field is required. Research will involve background in recombinant DNA technology, protein purification, and/or tissue culture cell would be helpful. Experience in molecular genetics, genomics, and in vitro selection of nucleic acid sequences that mimic binding sites for viral proteins, and will require experience in the in vitro amplification and recognition of both RNA and DNA. Send resume and references to: Dr. Eileen Friedman, Director, Laboratory of GI Tumor Biology, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, Box 244, New York, NY 10021. FAX: 212-717-3053.

POSITIONS OPEN

POSTDOCTORAL ASSOCIATE in Soil Ecology is available to work on a research team on an NSF-funded project investigating the role of earthworms in nitrogen cycling processes and decomposer community structure, in agroecosystems supplied with nutrients by composted manure and agricultural inputs. Qualifications include Ph.D. in Ecology, Microbiology, Agronomy or appropriate field. Background in soil ecology with experience in inoculation, mechanization, and nutrient cycling required. The successful candidate will work in both the field and laboratory. Appointment available autumn 1992 for a period of two years. Salary negotiable. Submit curriculum vitae, research interests, transcripts and names and addresses of three references, by August 14, to: Dr. C.A. Edwards, Department of Entomology, Oregon State University, Columbus, OH 43210; telephone: (614) 292-8209.

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE

Position is available to study the role of polyamines in gene expression, at the transcriptional and posttranscriptional levels. Particular emphasis is on exploiting these roles for development of antineoplastic therapies. Background in molecular biological techniques is essential. Send curriculum vitae and three letters of reference to: Dr. Robert A. Casero, Jr., The Johns Hopkins Oncology Center Research Laboratories, 424 North Broadway, Boston, MA 02129. An Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL OR RESEARCH ASSOCIATE POSITION available for candidates with strong background in molecular virology or pharmacology to study mechanisms of HIV replication in infected cells and molecular pharmacology of novel antiviral agents. Eligible candidates should have Ph.D. or M.D. degree and not have more than three years of postdoctoral research experience. Salary will depend on experience. Support includes travel to scientific meetings. Send curriculum vitae and names of three references to: Dr. Arnold Foddidan, Department of Infectious Diseases, St. Louis University School of Medicine, 332 North Kingshighway, St. Louis, MO 63105. St. Jude Hospital is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE

Position available to study regulation of gene expression as applied to macrophage differentiation and maturation. Research focuses on the roles of cytokines and eicosanoids in macrophage activation and their regulation by cytokines, growth factors or phagocyte-derived cytokines. The successful candidate will work in the laboratory of Separation of Human Cells and Mutation. Experience with molecular biology or immunology experiments is desirable. Send curriculum vitae and statement of research interests to: Dr. Kent L. Erickson, Department of Dermatology and Human Anatomy, University of California, School of Medicine, Davis, CA 95616-8643. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE

The Biology Department has a position available for a recent Ph.D. with a background in biophysics to conduct research to determine the structure of photosynthetic membrane proteins from cyanobacteria by recombinating them in a lipid matrix. Knowledge of protein purification techniques and familiarity with X-ray or neutron scattering is desirable. Candidates apply by sending curriculum vitae, publications list, and the names of three references to: Dr. A.M. Saxena, Biology Department, Box 1802, Brookhaven National Laboratory, Associated Universities, Inc., Upton, Long Island, NY 11793. Equal Opportunity Employer M/F/D/V.

POSITIONS OPEN

POSTDOCTORAL RESEARCH POSITIONS are available to study structure, expression and regulation of Beta polymers. Expertise in molecular biology and recombinant DNA technology is essential. The University of Texas Medical Branch in Galveston is an Equal Opportunity/Affirmative Action Employer, M/F/H/V. The University of Texas Medical Branch hires only individuals authorized to work in the United States of America. Interested candidates should send their curriculum vitae and names/addresses of three references to: Dr. Suzanne M. Kimboll, NFS Program, Center for Dynamic Program, Department of Environmental Sciences, University of Virginia, Charlottesville, VA 22903. UVA is an Equal Opportunity/Affirmative Action Employer.
University of Cincinnati Medical Center

POSTDOCTORAL ASSOCIATE/RESEARCH ASSISTANT PROFESSOR
MOLECULAR AND CELL BIOLOGY
OF THE HEART
UNIVERSITY OF CINCINNATI

Post-doctoral and research assistant professor positions are available beginning September 1, 1992 to join a team studying control of gene expression in heart and vascular smooth muscle in the newly formed Molecular Cardiology section of the Cardiology Division. Specific areas of research include: 1) Identification of genes involved in heart development, 2) Transcription control of cardiac sarcoplasmic reticulum Ca²⁺ transport genes, 3) Characterization of a myosin heavy chain gene promoter expressed in vascular smooth muscle. These studies will involve state-of-the-art molecular biology techniques and the use of transgenic mice technology. Individuals with expertise in Cell & Molecular Biology, Biochemistry and Developmental Biology are encouraged to apply. The University of Cincinnati is a highly recognized center for cardiovascular research and provides significant opportunities for interactions with members of the program of excellence in molecular biology of the heart and lung. Please send curriculum vitae and 3 letters of reference to:

Dr. M. Periasamy
Director of Molecular Cardiology
Division of Cardiology
The University of Cincinnati College of Medicine
231 Bethesda Avenue, M.L. 542
Cincinnati, Ohio 45267-0542

Opportunities in Molecular Modeling

East Coast Palo Alto CA

Oxford Molecular is a rapidly expanding, international molecular modeling software company commercializing algorithms from the world's best academic laboratories. This approach has produced a number of innovative packages encompassing both large and small molecule applications. We now require

Applications Scientists

to provide pre and post sales scientific support and advice to our customers, and to interact with our international academic authors and scientific staff. These key positions will involve travel in the US and occasionally to our offices in Oxford and Paris. Opportunities exist for both protein and small molecule scientists.

The ideal candidates will have:

- a Ph.D. with a background in molecular modeling and/or bioinformatics
- a strong desire to use their scientific expertise in a commercial environment
- familiarity with UNIX workstations
- excellent communication and interpersonal skills

Candidates should telephone Dr. Stefan Unger at 415-494-6274 for an initial confidential discussion or send their resume to:

Oxford Molecular Inc., 744 San Antonio Road,
Suite 27, Palo Alto, CA 94303.

U.S Public Health Service

EPIDEMIOLOGY TRAINING PROGRAM

Applications are currently being accepted for the 1993 U.S. Public Health Service (PHS) Epidemiology Training Program. APPLICATIONS ARE DUE SEPTEMBER 14, 1992. Training begins approximately July 1, 1993.

Features: The first year, trainees attend a university to study epidemiology, biostatistics, and related subjects. The subsequent two years, they work with senior epidemiologists for one of the following agencies: National Institutes of Health, Food and Drug Administration, National Center for Health Statistics, or Alcohol, Drug Abuse, and Mental Health Administration. Individuals who have a year of training in epidemiology may be accepted for the final two years of the program.

Compensation depends on the chosen personnel system. The two most common are:

1. A limited appointment in the Commissioned Corps of the USPHS in which the usual rank for program entrants will be Lieutenant (O-3). The starting salary for an O-3 physician with dependents is about $42,300 depending on training and experience. For non-physicians of the same rank with dependents, the starting salary is about $37,300. Approximately 37% of these salaries is exempt from federal, state, and local income tax.

2. Appointment as a staff fellow in the sponsoring agency with starting salaries of approximately $42,500 for physicians and $28,000 for non-physicians. An increase of up to $6,000 per year will take effect in the second and third years.

Eligibility: M.D., D.O., Doctorate or Ph.D. in a health discipline, and one year of postdoctoral training/experience by July 1, 1993; U.S. citizenship by September 14, 1992; acceptability to a M.P.H. program, or more advanced public health degree for the first year.

To obtain an application, send your name and address to: NIH Training Center, Epidemiology Training Program, EPH/100, 9000 Rockville Pike, Bethesda, MD 20892, or call 301/402-3402.

The PHS Epidemiology Training Program is an equal opportunity employer.

Interneuron Pharmaceuticals, Inc. (IPI) is a Lexington-based neuroscience firm specializing in the development of treatments for neurologic and psychiatric disorders and conditions. We are looking for research scientists to work closely with our innovative drug discovery team.

SENIOR RESEARCH NEUROSCIENTIST

Providing leadership in biochemical neuropharmacology, you will develop bioanalytical methods to support drug development and discovery, and be responsible for neurochemical studies of the central nervous system. Requires a Ph.D in Pharmacology, Biochemistry or a related discipline, with at least 2-4 years' research experience in neuroscience. Expertise with radiological binding studies, second messenger assays and HPLC techniques for CNS neurochemistry is desirable.

IMMUNOLOGISTS
Targeted Genetics Corporation, a Seattle-based independent company evolved as a spinout of Immunex Corporation, is currently recruiting immunologists at all levels of work. The company is focused on the development of genetic therapies for the treatment of inherited and acquired diseases, particularly infectious disease and cancer. Opportunities include:

T Cell Biologists

- **Department Head:** The individual recruited to this seminal position will direct immunology research activities aimed at the development of gene-modified T cell therapeutics. The ability to lead a group of scientists and collaborate in a multidisciplinary environment are essential. The successful candidate will have at least four years experience in cell and molecular immunology and demonstrated productivity as reflected by publications in peer-reviewed journals.

- **Staff Scientists:** Positions are available requiring expertise in various areas of mouse and human T cell biology, including in vivo animal models for adoptive transfer of T cell clones and the introduction of regulated genes into T cells that modify cell function. Experience in growing, maintaining, and analyzing the function and specificity of T cell clones is desirable.

For consideration, please submit C.V., names of three references and a list of publications to: Targeted Genetics Corporation, Attn: S 7/3, 1201 Western Avenue, Seattle, WA 98101.

Fax: (206) 587-0606
Targeted Genetics Corporation
Equal Opportunity Employer

NeXagen, Inc., a new, Boulder-based biotechnology company, is seeking first-rate scientists and research associates dedicated to drug development through the implementation of proprietary, novel repertoire chemistry. NeXagen scientists are in pursuit of oligonucleotide and peptide ligands for use as pharmaceutical agents for the treatment of several major diseases. In addition to their own in-house research programs, NeXagen scientists are involved in an interactive research program with many scientists at the University of Colorado, Boulder campus.

**Director of Production**
We seek a Ph.D. to direct the production of oligonucleotide-based pharmaceuticals. The successful candidate will have a broad knowledge of synthetic chemistry and nucleic acid chemistry, experience in large-scale, GMP preparation of reagents, and creative ideas about interfacing with a strong group of research chemists, molecular biologists, and medical doctors in order to facilitate drug development. Management experience, preferably with a pharmaceutical background, is essential.

**Senior Scientists/Chemists**
The successful chemists will have Ph.D.s and at least two years of postdoctoral experience. Expertise in either synthetic peptide chemistry, synthetic nucleoside chemistry, or in related fields is a must. Candidates should be driven to implement an independent and highly visible research program.

**Research Associates/Chemists**
The selected applicants will have BS or MS degrees and extensive laboratory experience. Areas of expertise should include synthetic organic chemistry.

NeXagen offers competitive salaries and benefits, in addition to the opportunity to work in a dynamic, highly motivated, and interactive scientific environment. Boulder, Colorado is part of the package. For consideration, submit a curriculum vitae and a letter of interest to Personnel Director, Dept. CHEM, NeXagen, Inc., 2860 Wilderness Place, Suite 200, Boulder, Colorado 80301.

POSITIONS OPEN

NEUROBIOLOGY POSTDOCTORAL ASSOCIATE. Genes regulating mammalian nerve regeneration have just been identified. Immediately available position to study IGF gene expression, enhanced regeneration using evoked potentials, and recovery of function in paralyzant research. Well-equipped and close to Rocky Mountains. Send resume, names and telephone numbers of three references to: Professor Douglas N. Ishii, Department of Physiology, Colorado State University (CSU), Fort Collins, CO 80523. FAX: (303) 491-7569. CSU is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE/ASSISTANT PROFESSOR, MOLECULAR VIROLOGY OR BIOLOGY. Positions are sought for a research associate or assistant professor-level position to help run a research program investigating the molecular pathogenesis of an animal virus model of multiple sclerosis, Theiler's virus infection of mice. The individual should expect to develop independent research projects within this program. Applicants must have a Ph.D., appropriate postdoctoral training and a publication record demonstrating productivity and expertise. Applicants should send their curriculum vitae, names of three references and a short statement of research interests to: Howard L. Lipton, M.D., Chairman, Department of Neurology, Box 1137, The Mount Sinai Medical Center, One Gustave Levy Place, New York, NY 10029-657A. An Equal Opportunity Employer.

RESEARCH ASSOCIATE/ASSOCIATE PROFESSOR TULANE UNIVERSITY
Position available immediately for research in neuropeptide mediated mechanisms of myocardial injury following coronary perfusion. A background in cardiovascular physiology, pharmacology or pathology and experience with animal models of ischemic-reperfusion desirable. Opportunity to work in integrated cardiovascular laboratories with other NIH funded investigators in the Cardiology Section and other basic science departments in a developing and high priority cardiology program. Applications will be accepted until a qualified candidate is selected. Rank and salary commensurate with qualifications. Submit curriculum vitae and three letters of reference to: Andrew J. Buda, M.D., Chief, Cardiology Section, Tulane University School of Medicine, 1400 Tulane Avenue, New Orleans, LA 70112. Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSOCIATE—Research in Tumor Immunology using murine model systems with emphasis on immune regulation in tumors enhanced by Vinca D derivative drugs and antibodies. Accurate recording of results, writing and publishing results in appropriate scientific journals in collaboration with colleagues and senior scientists. M.D. or Ph.D. in Immunology required with two years of experience in Tumor Immunology. Hours: 8:00 a.m. to 5:00 p.m. Salary: $31,787 per year. Contact: Sandra T. Starnes, Alabama State Employment Service, 3440 Third Avenue South, Birmingham, AL 35222. RE: Job Order #AL0620926.

SENIOR RESEARCH ASSOCIATE: Mechanical Engineering, State University in Northwest Ohio. Develop an efficient and robust numerical algorithm to simulate 2D and 3D, steady and unsteady, finite-rate chemically reacting viscous flows at a wide range of Mach numbers, from 0.1 to supersonic using (1) the finite-difference discretization method with a coupled modified strongly implicit procedure (CNSIP) in body-fitted curvilinear coordinates, and (2) the time-preconditioning acceleration technique, as well as conducting numerical simulation of combustion flows in a gas turbine engine combustor. Ph.D. in Mechanical Engineering. Academic program must include graduate level course in each of the following subjects: (1) Computational fluid mechanics and heat transfer, (2) Radiation heat transfer, and (3) Turbulent boundary layer. Must have two years of experience as a research assistant and research must have involved algorithm development on computations of unsteady, low Mach number (<0.1) compressible viscous flows using a coupled modified strongly implicit procedure (CNSIP). Forty hours per week, 8 a.m. to 5 p.m., Monday to Friday. Salary: $12,000.00 per year. Must have proof of legal authority to work permanently in United States. Send resume in duplicate (no calls) to: L. Ellison, J/O1200881, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.
POSITIONS OPEN

RESEARCH ASSOCIATE OR POSTDOCTORAL RESEARCH FELLOW (PDF)

Research positions are available in the laboratories of the Atlantic Research Centre, associated with the Departments of Pediatrics and Biochemistry, Dalhousie University, the IWK Health Centre for Children, Halifax, Nova Scotia, Canada. The laboratories are part of the Dalhousie node of the Network of Centres of Excellence in Neurol Regeneration and Recovery. Laboratory-based research at the Centre is focused on lipid second-messenger and protein kinase C-mediated systems and biochemical and genetic studies of membrane lipids and protein metabolism using mutant and transformed cell lines in culture. Experience with protein purification, antibody generation and molecular biology techniques in these areas is an asset. Candidates should have a doctoral degree in biochemistry, chemistry or biology and relevant research experience at the postgraduate or postdoctoral level. Salary will be commensurate with the Medical Research Council of Canada salary scales for PDFs ($23,000 to $27,000) and $28,000 to $33,000 for a research associate. Teaching opportunities in biochemistry may be available depending on qualifications. Reply with curriculum vitae and names, addresses, and telephone numbers of three referees to: Dr. Harold W. Cook, Director, Atlantic Research Centre, Dalhousie University, 5849 University Avenue, Halifax, Nova Scotia, B3H 4H7, CANADA. Telephone: (902) 494-7066, FAX: (902) 494-1394.

COMPUTER SYSTEMS ENGINEER

Strong commitment to computer hardware and software support, training, and consulting in expanding program of computer operation, network communication, office automation, and application development of NeuroClinical Trials Center. Design and develop conventional data base or artificial intelligence data base. Participate in the development and implementation of an integrated computerized image processing network for stereotactic, neurosurgical procedures and robot aid in real time surgical operation. Competitive applicants should have a Bachelor's degree or better in Electrical Engineering or Computer Systems Engineering and knowledge of Computer Graphics, Computer Vision, Geometric Modeling, knowledge base in EE, and Neural Networks. Must have background in Robotics, particularly Robor Configuration Motion. Must be familiar with VM/CMS UNIX, PROMOS, MS-DOS operating systems and the migration between any two different computers. Applicants should also have some experience performing research in robot stability analysis and experience in the area of Microcomputer Organization, Electrical Engineering Analysis or Design of Logic circuit. Salary range: $32,910 to $50,248 per year. Apply to: University of Virginia, Department of Human Resources, Carruthers Hall Box 9007, Charlottesville, VA 22906.

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

MOLECULAR VIROLOGIST

The Department of Virology and Immunology and the Center for AIDS Research at Southwest Foundation for Biomedical Research invites applications for an ASSISTANT OR ASSOCIATE VIROLOGIST faculty level position. Candidates should have a Ph.D. or V.M. with several years of experience in DNA recombinant technologies associated with DNA or RNA viruses and will be expected to maintain an independent competitive research program. We are seeking individuals who will complement the existing AIDS programs focusing on both HIV and SIV non-human primate models. Opportunities exist for collaborations with five other scientists involved in AIDS research. These areas focus on viral pathogenesis, immunology, vaccines, and therapy. Other programs in this department focus on hepatitis viruses, herpes B virus, and their associated nonhuman primate models. The Southwest Foundation for Biomedical Research is a nonprofit, private research institution that supports 45 scientists. The Foundation has extensive nonhuman primate resources which include baboons, chimpanzees, and macaques. Candidates should send curriculum vitae, brief summary of research goals, and the names and addresses of three references to: Personnel Director, Southwest Foundation for Biomedical Research, P.O. Box 28147, San Antonio, TX 78228-0147. An Equal Opportunity Employer, M/F.

BONE METABOLISM Pharmacologists

Wyeth-Ayerst Laboratories is a Division of Fortune 100 American Home Products Corporation, a leading manufacturer and marketer of health care products with multimillion dollar annual sales and an impressive record of growth and profitability. We currently have opportunities in the Bone Metabolism department of our pharmaceutical research facility in Princeton, New Jersey.

HISTOMORPHOMETRIST

Responsible for processing and analyzing bone samples, preparing slides and reports of final analysis including assisting in the development of new techniques and in vivo experiments. Requirements include a B.S./M.S. degree in a biological discipline with experience in basic protein biochemistry and biological methodologies. (Position #574)

MOLECULAR BIOLOGIST

Responsible for the characterization of growth factor signal transduction pathways in bone cells and the development of agents which stimulate bone formation. Requirements include a B.S./M.S. degree in a biological discipline with expertise in primary cell culture and basic protein biochemistry. (Position #574)

CELLULAR BIOLOGIST/BIOCHEMIST

Responsible for the characterization of growth factor signal transduction pathways in bone cells and the development of agents which stimulate bone formation. Requirements include a B.S./M.S. degree in a biological discipline with expertise in primary cell culture and basic protein biochemistry. (Position #574)

Please forward your resume with salary requirements to: Employment Supervisor, Wyeth-Ayerst Research, CN 8000, Position #574, Princeton, NJ 08543-8000. An Equal Opportunity Employer M/F/D/V.

Wyeth-Ayerst offers an excellent compensation and benefits package in a highly professional environment. Our research laboratory is just minutes away from Princeton University and is convenient to many other cultural, educational and leisure activities.

Senior Vice President for Academic Affairs and Provost

The Ohio State University invites nominations and applications for the position of Senior Vice President for Academic Affairs and Provost. As the chief academic officer of the university, the Provost reports directly to the President and has primary responsibility for instructional and faculty affairs.

Candidates must have a doctoral degree (or the equivalent) and a record in teaching, research and service that would qualify them for a tenured appointment at the rank of Professor in one of the academic units of the university. They also must have a demonstrated commitment to promoting excellence in teaching, research and service and to achieving ethnic, gender and cultural diversity.

The university seeks candidates who will provide effective leadership for a diverse faculty, staff and student body within the consultative traditions of academic governance. Experience as an academic administrator is preferred, although relevant non-academic administrative experience also may be considered.

Nominations and applications should be submitted to: Paul Allen Bock, Chair, Provost's Search Committee, 210 Bricker Hall, 190 North Oval Mall, OSU, Columbus, OH 43210.

Applications must include a letter of interest, a curriculum vitae and the names and addresses of at least three references. To ensure full consideration, applications and nominations must be received by September 1, 1992.

The Ohio State University is an Equal Opportunity, Affirmative Action Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.
Join our Bone Research Team in Cincinnati

We are the pharmaceutical research division of Procter & Gamble, part of a dynamic organization making significant breakthroughs in the drug discovery area. Presently, we seek several well qualified PhD Scientists to be part of a multi-disciplinary research team, whose effort is directed toward identifying new leads for the treatment of osteoporosis.

Cell Biologist-PhD
Candidates should possess a PhD in Cell Biology/Biochemistry, preferably with 1-2 years of postdoctoral experience. A strong background in cellular differentiation, culture and cloning of cells, particularly marrow-derived stem cells and cytokine biology, is necessary. Position code: ADG1

Receptor Biochemist-PhD
Responsibilities will involve examining the interaction of novel ligands with receptors on bone cells and elucidating the signal transduction mechanism involved. A PhD and 2 years of relevant experience plus a solid background in receptor/ligand interactions and signal transduction are required. Position code: ADG2

Molecular Biologist-PhD
Two years of relevant post-doctoral work and experience with commonly used molecular biology techniques, such as PCR, vector construction, construction of cDNA libraries and oligonucleotide synthesis are required. Familiarity with procaryotic and eucaryotic expression systems and vector construction is desirable. Position code: ADG3

Histomorphometrist-PhD
Experience in measuring static and dynamic parameters of bone turnover and in methods of calcified tissues preparation is required. Experience with histomorphometrical analysis of human bone is beneficial. Position code: BEM1

Pharmacologist-PhD or DVM
Responsibilities will include model development and the design and management of in vivo studies to test new therapeutic agents. DVM/PhD degree preferred. Position code: BEM2

Bring us your capabilities, self-motivation and expertise. We'll provide the career advantages of a Fortune 50 organization. Please send resume and salary requirements, indicating position code, to: Dr. N. Gary Howell, Procter & Gamble Company, P.O. Box 398707, Cincinnati, OH 45239-8707. An equal opportunity employer.

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Right now, we are seeking a Clinical Research Scientist to play a major role in the development of protocols for the evaluation of peptide drugs in animal model and clinical studies. This will include evaluating literature, contacting investigators, developing experimental plans, and communicating results and findings to upper management. You will help locate, evaluate, select, track and monitor external laboratories performing studies. 20-30% travel required to study sites.

To qualify, you must possess a PhD in Endocrinology or Neuroendocrinology and 2 years' post-doctoral or industry experience with animal models or human studies of endocrine and/or neuroendocrine systems, including evaluation of depressive and/or anxiety disorders.

In return for your talent, you’ll be rewarded with a competitive salary, extensive benefits, and the opportunity to work alongside the brightest minds in the pharmaceutical industry. For consideration, send your resume to: Senior Employment Administrator, Immunobiology Research Institute, Route 22 East, P.O. Box 999, Annandale, NJ 08801-999. We are an equal opportunity employer.

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SCIENTISTS

The Center for Gene Therapy at the City of Hope invites applications for two scientists who will interact with existing programs in either molecular biology, immunology, neurosciences, virology, marrow transplantation, cancer biology, or genetics. Investigators will have academic appointments in existing departments in either the Beckman Research Institute of the City of Hope or the City of Hope Medical Center and will utilize resources available in the newly created CENTER FOR GENE THERAPY. Applications should include a letter of interest describing an area of proposed research, curriculum vitae and the names and addresses of at least three references. Send to: John A. Zaia, M.D., Chairman of Search Committee, Center for Gene Therapy, City of Hope, 1500 E. Duarte Rd., Duarte, CA 91010. The City of Hope is an affirmative action/equal opportunity employer.

Research Scientist

Contribute To A New Generation Of Therapeutics

At the Medical Research Division of American Cyanamid Company, we're making important strides in developing a new generation of therapeutics based on molecular biology and cell-specific mechanisms. We have an immediate opening in the Oncology and Immunology Section of our Lederle Laboratories where you can contribute to developing strategies to circumvent or overcome drug resistance to anticancer agents. Current research efforts are focused on the development of agents which resensitize multidrug resistant tumor cells to chemotherapeutic drugs. This includes the development of agents that interfere with a drug-efflux pump, "P-glycoprotein", as well as defining the basis of P-glycoprotein-drug interaction at the molecular level.

The successful candidate will participate in this research and focus on new investigations into the basis of non-P-glycoprotein-mediated multidrug resistance, which is induced by mitoxantrone. Prospective candidates should have a Ph.D. and 2-3 years of postdoctoral training; an M.S. and several years of experience will also be considered. Preference will be given to those candidates with experience in molecular biology with emphasis on screening cDNA libraries, cloning and expression or experience in biochemistry with emphasis on protein identification and purification. Written and oral communication of findings is expected and encouraged.

We are located in Rockland County, 25 miles north of New York City. For consideration, forward your curriculum vitae to: Professional Employment Representative, Dept. LG, Medical Research Division, Lederle Laboratories, Pearl River, NY 10965. An Equal Opportunity Employer.

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Research Scientists/ Investigator Protein Biochemistry

We seek highly motivated individuals who are interested in purifying and characterizing proteins for use in drug discovery and biophysical programs. Positions are available at both the Ph.D. and the B.S./M.S. levels. Candidates should have a Ph.D. with one or more years postdoctoral experience or a B.S./M.S. with 3-5 years industrial experience. A strong background in classical protein purification and characterization including FPLC, HPLC and scale-up processes is required. Experience in protease isolation and characterization highly desirable.

At Sterling Winthrop, you'll enjoy a highly competitive salary and benefits package. For confidential consideration, forward your resume and salary requirements to:

Human Resources
GV-71-92
Sterling Winthrop PRD
9 Great Valley Parkway
Malvern, PA 19355

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UNGLATATES
The National Zoological Park, Smithsonian Institution seeks an experienced researcher to conduct original research on ungulate management and conservation at the Conservation and Research Center in Front Royal, Virginia. Will also have responsibility for managing the Center’s extensive ungulate collection. Duties will involve 25% curatorial and 75% independent and collaborative research. Applicants must have a Ph.D. or equivalent and demonstrated research productivity in mammalian biology, nutrition, behavior, ecology, etc. Experience with ex situ and in situ preserved ungulates is desirable. This is a Federal Civil Service position grade 12/13 (salary: $38,861 to $60,070). For complete application package and requirements call 202-287-3102 (24-hour, touchtone activated, automated response system), dial 9 92-30715. Applications must be received by August 14, 1992. The Smithsonian Institution is an Equal Opportunity Employer. Applications from minority and female candidates are encouraged.

RESEARCH GENETICIST: Bronx (New York). Research on the role and regulation of myc-family oncogenes in development by making myc-family constructs, introducing these constructs into cultured cells and mouse germ line, manipulating embryonic stem cells and analyzing established cell lines and mouse lines. Required: Ph.D., in Genes and/or Molecules Biology (five years of postgraduate academic study in recombinant DNA technology, DNA mediated gene transfer, production of transgenic mice and gene targeting in embryonic stem cells). Salary: $35,000. Review and request information on announcement #92-30715. Applications must be received by August 14, 1992. The Smithsonian Institution is an Equal Opportunity Employer. Applications from minority and female candidates are encouraged.

SUGEN, Inc.
Sugen is a biopharmaceutical development company located in the San Francisco Bay Area. Sugen was formed around the research teams of Dr. Axel Ullrich at the Max-Planck-Institut in Munich and Dr. Joseph Schlessinger at the Department of Pharmacology at New York University Medical Center.
Sugen's drug development strategy is based on the identification, characterization and development of novel therapeutic intervention with primary emphasis on the tyrosine kinase and phosphate receptor systems. We are looking for PROTEIN CHEMISTS interested in the isolation and development of new receptor systems. Applicants should hold a Ph.D. and at least four years of postdoctoral experience and should provide a minimum of two references from recognized research laboratories.

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Immediate funded position to join a busy molecular laboratory involved in molecular analyses and gene mapping for several inherited neurogenic and growth-deficiency syndromes. Duties include routine laboratory maintenance, supervision of part-time employees, and experiments using molecular techniques. Requirements include a Bachelor’s or Master’s degree with at least one year of experience in molecular techniques. Please send curriculum vitae and three references to:

Dr. Lisa Baumbach
Division of Genetics
Department of Pediatrics
University of Miami School of Medicine
1601 N.W. 12th Avenue
Miami, FL 33136
Telephone: (205) 547-3997

SEED PROCESS DEVELOPMENT SCIENTIST: Conduct research into the biology and technology of seed coating and microencapsulation including seed coating apparatus development and physiological and bacteriological assays of microencapsulated seeds; develop aqueous based coating formulas for petunias and begonias, develop coating application methods, train staff in coating methods, conduct germination and separation research, including greenhouse and field components; design and maintain technical equipment used in production; prepare research for publication in professional journals and at conferences. A minimum of two years of research at national and international scientific conferences. The above duties are performed to promote seed viability and production. Equipment used in performing the above responsibilities include pH meter, tissue homogenizer, differential scanning calorimeter, Spectrophotometer, seed coating and conditioning equipment, seed testing equipment, growth chamber, high performance liquid chromatograph (HPLC) and gas chromatography (GC). Scientific techniques utilized in performing the above responsibilities include seed coating applications, seed germination enhancement technology, and seed testing and processing research such as seed treatment, drying, and separation. Ph.D. in Plant Physiology and two years research experience as Seed Process Development Scientist or two years of experience as Research Assistant and/or Postdoctoral Research Associate. Previous academic or employment experience must have included research into the biology and technology of seed coating and microencapsulation including seed coating apparatus development and physiological and bacteriological assays of microencapsulated seeds. Research must have included both field and greenhouse components. Applicants must have conducted research for publication at least one professional publication and presentation at least one scientific conference. Applicants must have a demonstrated research and publication record with a minimum of two years of research and must have legal authority to work permanently in the United States. Send two copies of résumé to: ILLINOIS DEPARTMENT OF EMPLOYMENT SECURITY, 401 South State Street, Suite S3, Chicago, Ill 60605, Attention: J.A. SCHAFFNER, Reference #1-6/12-4774-J. Two copies of your Résumé Required. NO CALLS. AN EMPLOYER PAID AD.

OPPTICAL MICROSCOPY AND IMAGING IN THE BIOMEDICAL SCIENCES, September 23 to 30, 1992. For 22 research scientists, physicians, postdoctoral trainees, and advanced graduate students in biological and material sciences. This one-week course covers the fundamental theory and practical use of modern light microscopy. Special attention will be given to different optical techniques and the newest video and photographic methods. A combination of lectures, laboratory exercises, demonstrations, and pre-lab assignments will be designed to teach participants to obtain and interpret microscope images of high quality, to perform quantitative optical measurements, and to produce photographic and video records for documentation and analysis of the optical images. Directors: Nina Allen, Wake Forest University, and Colin Izzard, SUNY, Albany. Guest Lecturer: Shinya Inoué, MBL. Tuition: $2,500; $1,000 for students; includes room and board. Application deadline: August 7, 1992. For applications, contact: Doris Chryler, Admissions Coordinators, National Biological Laboratory, Woods Hole, MA 02543; telephone: 508-548-3705, ext. 216.

COURSES AND TRAINING

OPTICAL MICROSCOPY AND IMAGING IN THE BIOMEDICAL SCIENCES, September 23 to 30, 1992. For 22 research scientists, physicians, postdoctoral trainees, and advanced graduate students in biological and material sciences. This one-week course covers the fundamental theory and practical use of modern light microscopy. Special attention will be given to different optical techniques and the newest video and photographic methods. A combination of lectures, laboratory exercises, demonstrations, and pre-lab assignments will be designed to teach participants to obtain and interpret microscope images of high quality, to perform quantitative optical measurements, and to produce photographic and video records for documentation and analysis of the optical images. Directors: Nina Allen, Wake Forest University, and Colin Izzard, SUNY, Albany. Guest Lecturer: Shinya Inoué, MBL. Tuition: $2,500; $1,000 for students; includes room and board. Application deadline: August 7, 1992. For applications, contact: Doris Chryler, Admissions Coordinators, National Biological Laboratory, Woods Hole, MA 02543; telephone: 508-548-3705, ext. 216.
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