PERSONNEL PLACEMENT
LINE CLASSIFIED ADVERTISEMENTS

> **COMPARATIVE ANATOMY AND PHYSIOLOGY**

**POSITIONS OPEN**

**Penn State's Biology Department** seeks two ASSISTANT PROFessors for fall 1996. Applicants must have postdoctoral experience and the ability to develop an externally funded research program. One candidate will have teaching responsibility in comparative anatomy (CA) and research experience in mammalian molecular genetics, or mammalian virology. Strong interest in and commitment to the clinical application of human gene therapy is a plus. The position will involve joint clinical/basic science appointments as appropriate within the Gene Therapy/Vector Development Program in the Center for Gene Therapy at the University of Florida. The successful applicant will be expected to:

A) direct an independent research program in mammalian genetics, human gene therapy, or mammalian virology;

B) facilitate the development of a preclinical human gene therapy lab; and

C) assist in the development of human applications for gene therapy.

The anticipated start date is January 1, 1995, and the salary is negotiable. Send curriculum vitae, bibliography, a brief description of research interests, and names and addresses of three references by October 30, 1994, to:

Dr. Nicholas Muzyczka, Gene Therapy Center, care of Department of Immunology and Medical Microbiology, Box 100266, University of Florida, Gainesville, FL 32610.

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

**FACULTY POSITION HUMAN GENE THERAPY**

**FACULTY POSITIONS**

**MOLEcULAR GENETICS**

The Department of Genetics, University of Illinois College of Medicine, is seeking candidates for faculty positions in mammalian molecular biology and genetics. The positions, starting on or after July 1, 1996, will be for tenure-track ASSISTANT Professor up to the level of FULL PROFESSOR depending upon the candidate's qualifications. Candidates must have a Ph.D. or its equivalent, plus postdoctoral research experience in mammalian molecular genetics. Areas of special interest include the molecular genetics of human disease and also gene therapy. Candidates working with yeast systems relevant to problems in mammalian molecular biology can be considered. Significant research accomplishments and publications, evidence of outstanding research potential, and success in obtaining external research funding (or outstanding potential for such funding) will be key considerations. Applicants should provide curriculum vitae, names and addresses of four references, and a brief statement of research interests and plans. To receive fullest consideration, applications should be received by November 1, 1994. Send applications to: Dr. Richard L. Davidson, Head, Department of Genetics, University of Illinois College of Medicine, 808 South Wood Street, Chicago, IL 60612. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

**FEMALE UROLOGY/BASIC RESEARCH.**

The Section of Urology at the University of Chicago is seeking candidates for two full-time positions at the ASSISTANT PROFESSOR level. The Section is seeking candidates for a position in Female Urology who would assume a significant instructional role in the University of Chicago Urology Residency Program at Louis A. Weiss Memorial Hospital and clinical research within the Section of Urology. Candidates should be board-certified or board-eligible in urology. This position will be available spring 1996. The Section is also seeking applicants for a position in BASIC RESEARCH. The successful applicant should have a strong background in molecular biology of urological malignancies. Responsibilities include research, teaching at the graduate, medical and postgraduate levels, and directing the research program in the Section of Urology. A strong background in molecular biology or a related field is desirable. This position will be available September 1, 1994. Please send curriculum vitae to: Charles B. Brender, M.D., Section of Urology, The University of Chicago, 5841 South Maryland Avenue, MC 6085, Chicago, IL 60637. The University of Chicago and its Medical Center are Affirmative Action/Equal Opportunity Employers. Applications from women and representatives of minority groups are encouraged.

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, handicapped or sexual preference. The AAAS encourages employers to actively recruit and employ underrepresented minority groups. Science reserves the right, at its discretion, to edit or decline to publish advertisements submitted to it.
At Pfizer, we're focused on discovery.

Neuroscience Research Associates, BS/MS

In these key assignments you will perform in vitro electrophysiological experiments in research projects directed toward the discovery of novel CNS drugs. Techniques used in your research will include patch and voltage clamp recording from a variety of cell lines, Xenopus oocytes and primary neurons, and patch clamp and intracellular recording from brain slice preparations. Experience should include in vitro electrophysiology from neurons, cell lines or other excitable cells. Familiarity or experience with primary cell culture, maintenance of cell lines, intracellular calcium imaging, brain slice preparation and recording are desirable.

In addition to opportunities to interact with members of the world's finest corporate scientific and academic communities, you will enjoy a competitive stipend, medical/dental insurance coverage and the many lifestyle advantages of our southeast Connecticut location. Relocation assistance is available. For confidential consideration, please send your curriculum vitae and the names of three references to: Employee Resources, Code: NRA, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340.

POSTDOCTORAL RESEARCH

Lawrence Livermore National Laboratory (LLNL) has a postdoctoral research position available to develop and apply the tools of molecular cytogenetics to quantify the effects of adverse environmental exposure. Recent doctoral-level degree and relevant publications in cytogenetics, molecular biology, toxicology or a related discipline are required. The applicant will be expected to develop improved molecular cytogenetic methods and to apply these methods to people exposed to ionizing radiation as a result of the Chernobyl nuclear reactor accident. Experience in organic synthesis is preferred. Applicants must be able to interact across scientific disciplines and to function as a member of a large team of scientists.

LLNL offers a challenging work environment and a competitive salary/benefits package. Interested applicants are invited to mail a resume to: Lawrence Livermore National Laboratory, P.O. Box 7072, Dept. AJSC3C4QM, Livermore, CA 94551. U.S. Citizenship required. We are proud to be an Equal Opportunity Employer. M/F/D/V.

POSTDOCTORAL RESEARCH

Department of Health and Human Services
Public Health Service
National Institutes of Health
National Institute on Deafness and Other Communication Disorders

DIRECTOR, DIVISION OF INTRAMURAL RESEARCH

Opening Date: Monday, May 23, 1994
Closing Date: Thursday, September 1, 1994

(All applications must be post-marked by the closing date.)

The National Institute on Deafness and Other Communication Disorders (NIDCD) is recruiting for the position of Director, Division of Intramural Research (DIR). The Director, DIR, directs a program of multi-disciplinary fundamental and clinical research for the NIDCD. The Director, DIR, serves as the principal advisor to the Institute Director on biomedical and scientific affairs involving the intramural research programs conducted by basic and clinical research investigators in the field of deafness and other communication disorders. The Director develops and recommends policies for the execution of the intramural research programs, determines their ongoing effectiveness, and recommends or develops new or revised direct research programs. The Division of Intramural Research has an FY 1994 budget of $93.5 million and a current FTE ceiling of 43. In collaboration with senior officials, the Director, DIR, participates in the design and implementation of overall Institute management policies including program planning, budget formulation, and resource allocation.

This is a Civil Service position in the Senior Executive Service (SES), with base salary currently from $96,830 to $120,594 per year depending on qualifications. SES members are eligible for various bonuses and awards, and physicians are eligible for a comparability allowance of up to $20,000 per year, although total compensation cannot exceed the rate for Executive Level I (currently $148,400 per year). (Alternatively, applicants may be eligible for appointment in the Commissioned Corps of the U.S. Public Health Service.) The SES individual selected, if not presently in the Senior Executive Service, must serve a one year probationary period.

Further information about the position and qualification requirements may be obtained by contacting Ms. Donna A. Brooks at (301) 402-0508 (Voice or TDD) or TDD (301) 402-1134. An Application for Federal Employment (SF-171) along with a Curriculum Vitae and Bibliography should be submitted to:

Ms. Donna A. Brooks
Personnel Officer, NIDCD
National Institutes of Health
National Institute on Deafness and Other Communication Disorders
9000 Rockville Pike
Building 31, Room 3C11
Bethesda, Maryland 20892

Additional information may be obtained from:

Dr. Robert B. Nussenblatt, Chairperson, NIDCD Search Committee for

Director, Division of Intramural Research, NIDCD
National Institutes of Health
9000 Rockville Pike
Building 10, Room 10N202
Bethesda, Maryland 20892
(301) 496-3123

SELECTION FOR THIS POSITION WILL BE BASED SOLELY ON MERIT, WITH NO DISCRIMINATION FOR NON-MERIT REASONS SUCH AS RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, POLITICS, MARITAL STATUS, PHYSICAL OR MENTAL HANDICAP, AGE, SEXUAL ORIENTATION OR MEMBERSHIP OR NON-MEMBERSHIP IN AN EMPLOYEE ORGANIZATION. NIH IS AN EQUAL OPPORTUNITY EMPLOYER.
BIOLGY/MEDICAL TECHNOLOGY

The Department of Biology of The College of Staten Island (CSI) of the City University of New York seeks candidates for a tenure-track position at the rank of ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR in Biological Medical Technology Programs. Preferred areas of expertise are microbiology, immunology, clinical chemistry, and biochemistry. The appointee will be responsible for developing curricula in state-of-the-art facilities. The appointee will be required to develop and conduct research applicable to the appointee's expertise and to participate in undergraduate education. The appointee will be required to hold a Ph.D. in a relevant field and to have a minimum of three years of postdoctoral experience and at least one extramurally funded research project. Candidates with a strong commitment to scholarship and teaching are encouraged to apply. The appointment will begin in September 1994. The successful candidate will be expected to contribute to the College's comprehensive program of research, teaching, and service. The College invites applications from candidates who are committed to excellence in undergraduate education and who have demonstrated a strong commitment to the goals of the College.

APPLICATIONS should be sent to: Dr. David E. Smith, Chair, Search Committee, Department of Biology, College of Staten Island, 2800 Victory Boulevard, Staten Island, NY 10314. Equal Opportunity/Affirmative Action/ADA Employer.
The Hong Kong University of Science and Technology, with the mandate to become one of the eminent technological research universities in the world, was opened in October 1991, with programmes at both undergraduate and post-graduate levels. The medium of instruction is English. The Department of Chemistry invites applications for the following positions in all areas of chemistry: Professor: min. US$107,300 p.a.; Reader: US$78,400 - US$104,100 p.a.; Senior Lecturer: US$75,100 - US$100,900 p.a.; Lecturer: US$48,400 - US$80,800 p.a. The research thrust of the Chemistry Department includes: 1) Novel Analytical Techniques (NAT); 2) Laser Spectroscopy and Applications (LSA); 3) Advanced Materials/Polymer (AMP); and 4) Drug Discovery, Design and Synthesis (DDS). Applications are particularly invited for Professor/Reader positions with expertise in Chemical/Biomolecular Sensors. Applications in response to earlier advertisements will automatically be reviewed and such candidates need not re-apply. Generous fringe benefits including medical and dental benefits, annual leave, and children's education allowances are provided. Air passages and housing are also provided where applicable. Initial appointments will generally be on a three-year contract; a gratuity of an amount equal to 25% of the basic salary drawn will be payable upon successful completion of contract. Re-appointment after the initial contract will be subject to mutual agreement. Approved sabbatical leave will be at full salary. Applications should be sent with a C.V., together with names and addresses of three referees to Professor Nai-Teng Yu (for NAT and LSA), Professor H. Hiraoka (for AMP), or Dr. Richard Haynes (for DDS), Department of Chemistry, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong (Fax: 852-358-1594) by October 15, 1994, but the search will continue until suitable appointments are made.

The National Institutes of Health National Center for Human Genome Research

The new intramural program of the National Center for Human Genome Research (NCHGR), part of the National Institutes of Health (NIH) located in Bethesda, Maryland, is now in operation. Scientists with a unique range of expertise and interests have been recruited to focus on the identification, localization, diagnosis, and treatment of human genetic disease.

We are now actively recruiting research scientists in the field of

Quantitative and Statistical Genetics

The NCHGR is recruiting genetics researchers at varying levels of seniority. Successful applicants will have responsibility for working in a research team developing and implementing statistical methods for linkage analysis of human genetic disorders. Successful applicants will be major collaborators in designing experimental protocols for recruiting and genotyping families with various inherited disorders, in database design and data handling, and in analyzing genotyping data in families.

A Ph.D. in Genetics, Statistics, or an equivalent field is preferred. This training must be combined with an intensive knowledge of quantitative and statistical genetics and with computer-based methods for storing and analyzing genetic data. Experience in developing and testing new methods in statistical genetics is essential and therefore a strong background in advanced mathematical statistics is highly desirable.

Competitive salary and benefit packages are available. Please forward curriculum vitae and three references to:

Robert L. Nussbaum, M.D.
Chief, Laboratory of Genetic Disease Research
NIH/NCHGR
Building 49 Room 4A72
9000 Rockville Pike
Bethesda, MD 20892

NIH IS AN EQUAL OPPORTUNITY EMPLOYER
POSTDOCTORAL FELLOWSHIP

Joslin Diabetes Center

POSTDOCTORAL FELLOWSHIP

Molecular and Cellular Biology

This position will involve in situ hybridization studies of the expression of norepinephrine receptors and other endogenous and exogenous substances in the central nervous system in relationship to hypertension and other risk factors in cerebral vascular disease. Various animal models of hypertension and experimental animals in both rats and monkeys. Position requires a Ph.D. or M.D. with research training in molecular biology and/or chemical effectiveness. Experience in the neuroendocrine field, especially in the area of molecular and cellular biology. The successful candidate will have a strong background in molecular biology and a strong interest in the area of hypertension.

Applicants should forward curriculum vitae, description of previous research experience and names of three references to: Alice J. Edwards, Joslin Diabetes Center, 1 Joslin Place, Boston, MA 02215. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Vermont Cancer Center

University of Vermont College of Medicine

A two-year POSTDOCTORAL position is available in one of a variety of research programs of the Vermont Cancer Center, including DNA damage and repair, experimental therapeutics, cancer control, carcinogenesis, cancer genetics, or immunobiology. The Vermont Cancer Center is a special component of the University of Vermont Cancer Center. Additionally, the Vermont Cancer Center is a designated Comprehensive Cancer Center by the National Cancer Institute. Burlington Vermont is a beautiful city nestled next to Lake Champlain and the Green Mountains.

Applicants should forward curriculum vitae, a description of previous research experience, and names of three references by September 1, 1994, to: Richard Albertini, M.D., Ph.D., Director, Vermont Cancer Center, One University of Vermont, Burlington, Vermont 05401; FAX: 802-566-7878.

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

ASSISTANT PROFESSOR, NEUROBIOLOGY

Virginia Commonwealth University

The Departments of Pathology and of Anatomy and Cell Biology invite applications for a full-time, tenure-track position at the rank of Assistant Professor in the area of developmental neurobiology. The successful candidate will join existing groups of investigators in the departments of biology and mathematics and/or computer science. Applicants should have a strong background in molecular and cellular biology, experience in teaching and laboratory research, and a strong interest in the area of development.

Applicants should forward curriculum vitae, a description of previous research experience, and names of three references by September 1, 1994, to: Richard Albertini, M.D., Ph.D., Director, Vermont Cancer Center, One University of Vermont, Burlington, Vermont 05401; FAX: 802-566-7878.

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

POSTDOCTORAL RESEARCH ASSOCIATE

Human Molecular Genetics

The department of biomedical sciences at the University of Vermont invites applications for a human molecular genetics postdoctoral associate with expertise in molecular biology and cell biology.

Applicants should forward curriculum vitae, a description of previous research experience, and names of three references by September 1, 1994, to: Richard Albertini, M.D., Ph.D., Director, Vermont Cancer Center, One University of Vermont, Burlington, Vermont 05401; FAX: 802-566-7878.

The University of Vermont is an Equal Opportunity/Affirmative Action Employer.
GLAXO INSTITUTE FOR MOLECULAR BIOLOGY
Geneva, Switzerland

Research at the Glaxo Institute in Geneva is aimed at discovering novel molecular mechanisms to provide the basis of new therapies for serious diseases. In particular, research is focused on the CNS, allergies and inflammatory conditions. We have an outstanding opportunity for a

POSTDOCTORAL MOLECULAR BIOLOGIST
TO WORK ON CONTROLLED GENE EXPRESSION
IN GENE THERAPY

The successful applicant will join a team studying the mechanisms of regulated gene expression as an approach to developing a system for controlling the expression of administered genes in vivo.

GIMB has a strong publication record, which the appointee will be expected to maintain. The presentation of results at scientific meetings is encouraged, as well as collaborative research with academic groups.

We offer an excellent compensation and benefits package and significant opportunities for career development. Geneva, situated in a very attractive part of Europe, has many advantages as a place to live. The Institute for Molecular Biology is part of the Glaxo group, one of the world’s most successful healthcare companies which has an outstanding reputation for the quality of both its research and products.

If you are interested in this position, please send your curriculum vitae with a list of publications and the names of three referees to: Rita Gloo, Personnel Manager, Glaxo Institute for Molecular Biology S.A., 14, chemin des Aulx, 1228 Plan-les-Ouates, Geneva, Switzerland.
POSTDOCTORAL RESEARCH ASSOCIATE

The College of Staten Island/CUNY
POSTDOCTORAL RESEARCH ASSOCIATE

The College of Staten Island, a senior college of the City University of New York, is seeking a POSTDOCTORAL RESEARCH ASSOCIATE for the Neurosciences. The successful candidate must have a Ph.D. in Biology, Biochemistry, or Neuroscience and extensive experience in transcription and enzymatic assays, protein purification, biochemical and molecular biology techniques, and the ability to produce extracellular matrix and gel electrophoresis. Appointment period: September 1, 1994, to August 31, 1995, with a possibility of extension for a second year. Salary: $28,000 plus benefits. Send letter of application, current curriculum vitae, and names of references to: Dr. Martel Zeldin, Dean of Science and Technology, The College of Staten Island, University of New York, 2800 Victory Boulevard, South Administration Building, Room 313, Staten Island, NY 10314. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

University of California, San Francisco. Position now open for a candidate with expertise in the use of fluorescent probes. Studies will address pH, cation, and membrane potential regulation in neural tissue. Independent efforts and collaborations on recombinant DNA and brain neurochemistry are preferred, but not required. Send résumé and references to: Dr. Raymond Swanson, Neurobiology (127) VAMC, 4150 Clement Street, San Francisco, CA 94121. Equal Opportunity/Affirmative Action Employer.

MOLECULAR BIOLoGISTS/BioCHEMIST: Will conduct postdoctoral research and a study on the biochemistry of baculovirus gene expression, virus maturation, and assembly. Successful applicant will study and apply most aspects of recombinant nucleic acid and baculovirus expression vector techniques. For studies of protein structure pursuant to function, emphasis will also be given to the use of protein biochemical techniques. Starting at $25,000, negotiable commensurate with experience. Please send résumé and three references to: Dr. M. Summerton, Department of Entomology, College Station, Texas 77843-2475. Texas A&M University is an Affirmative Action/Equal Opportunity Employer.

JOhNS HOPKINS UnIVERsITY SCHOOL OF MEDICINE

POSTDOCTORAL POSITIONS

Two POSTDOCTORAL POSITIONS are available immediately in medicinal chemistry to work on the molecular basis of DNA damage processing. Collegial, scientific atmosphere and great living conditions. Send résumé and three references to: Dr. Susan Wallace, Professor and Chairperson, Department of Microbiology and Molecular Genetics, The Markey Center for Molecular Genetics, The University of Vermont, Burlington, VT 05405. The University of Vermont is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

ONTARIO CANCER INSTITUTE UNIVERSITY OF TORONTO

A POSTDOCTORAL POSITION is available immediately in the areas of peptide and protein design with emphasis on the development of specific and potent protein targeting agents. Candidates must possess a recent Ph.D. or M.D. with training and experience in cell or molecular biology. Send curriculum vitae and a letter indicating your research interests to: Dr. Jean Gariépy, Ontario Cancer Institute, Princess Margaret Hospital, 500 Sherbourne Street, Toronto, Ontario, Canada M4X 1K9.

MOLecULAR BIOLOGISTS

Two (2) positions are available in an NIH-supported ADVANCED POSTDOCTORAL RESEARCH position in Molecular and Immunology of the Department of Dentistry. Areas of research include Cell and Molecular Biology, Immunology, Endocrinology, Microbiology, and Biochemistry. Term of appointment, two to three years. Applicants should have a dental degree and postgraduate training or a demonstrated interest in research. Competitive salaries. Contact: Ms. Linda Peace, 301 School of Dentistry, 501 South Perdido Street, Mobile, AL 36609. Telephones: 256-872-7420. Fax: 256-872-7417.

POSTDOCTORAL POSITION—University of California, San Francisco. Position now open for a candidate with expertise in the use of fluorescent probes. Studies will address pH, cation, and membrane potential regulation in neural tissue. Independent efforts and collaborations on recombinant DNA and brain neurochemistry are preferred, but not required. Send résumé and references to: Dr. Raymond Swanson, Neurobiology (127) VAMC, 4150 Clement Street, San Francisco, CA 94121. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

University of California, San Francisco. Position now open for a candidate with expertise in the use of fluorescent probes. Studies will address pH, cation, and membrane potential regulation in neural tissue. Independent efforts and collaborations on recombinant DNA and brain neurochemistry are preferred, but not required. Send résumé and references to: Dr. Raymond Swanson, Neurobiology (127) VAMC, 4150 Clement Street, San Francisco, CA 94121. Equal Opportunity/Affirmative Action Employer.

RESEARCH TRAINING FOR DENTAL GRADUATES

Two (2) positions are available in an NIH-supported ADVANCED POSTDOCTORAL RESEARCH position in Molecular and Immunology of the Department of Dentistry. Areas of research include Cell and Molecular Biology, Immunology, Endocrinology, Microbiology, and Biochemistry. Term of appointment, two to three years. Applicants should have a dental degree and postgraduate training or a demonstrated interest in research. Competitive salaries. Contact: Ms. Linda Peace, 301 School of Dentistry, 501 South Perdido Street, Mobile, AL 36609. Telephones: 256-872-7420. Fax: 256-872-7417.

POSTDOCTORAL POSITION

University of California, San Francisco. Position now open for a candidate with expertise in the use of fluorescent probes. Studies will address pH, cation, and membrane potential regulation in neural tissue. Independent efforts and collaborations on recombinant DNA and brain neurochemistry are preferred, but not required. Send résumé and references to: Dr. Raymond Swanson, Neurobiology (127) VAMC, 4150 Clement Street, San Francisco, CA 94121. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

University of California, San Francisco. Position now open for a candidate with expertise in the use of fluorescent probes. Studies will address pH, cation, and membrane potential regulation in neural tissue. Independent efforts and collaborations on recombinant DNA and brain neurochemistry are preferred, but not required. Send résumé and references to: Dr. Raymond Swanson, Neurobiology (127) VAMC, 4150 Clement Street, San Francisco, CA 94121. Equal Opportunity/Affirmative Action Employer.
Postdoctoral Fellow

The Reproductive/Endocrine Research Department of The R. W. Johnson Pharmaceutical Research Institute in Raritan, New Jersey seeks a highly-motivated, industrious and bright scientist with a Ph.D. in Cell Biology/Endocrinology and a solid background in tissue culture, immunocytochemistry and molecular biology.

Although recent graduates are welcome to apply, those candidates with approximately one year of postdoctoral training will be favored. The successful candidate will join our team researching new chemical entities and perform in vitro and in vivo bioassays to evaluate drug effects on different target tissues.

Besides providing outstanding library facilities, the company provides excellent compensation and benefits. The laboratories are located in a beautiful part of New Jersey, near Princeton and half way between New York City and Philadelphia. Interested persons should send their c.v., list of publications and three references to: Dept. 43, Johnson & Johnson Recruiting, Employment Management Center, P.O. Box 16597, New Brunswick, NJ 08906-6597.

We are an equal opportunity employer and support diversity in the workplace.

Research M.D. with expertise in molecular biology.

NATIONAL INSTITUTES OF HEALTH

National Institutes of Health. Hepatitis Viruses Section, Laboratory of Infectious Diseases, National Institute of Allergy and Infectious Diseases. Molecular biologist with clinical training in diseases of the liver. Must have extensive experience in application of RT-PCR technique for genome amplification of RNA-containing viruses present in very low titers in biological and clinical samples, sequencing of DNA, computer analysis of sequence data and analysis of results with special emphasis on their biological and clinical significance. Preference given to research on hepatitis C virus. Must have experience in laboratory and clinical research on hepatitis viruses including animal model (primate) systems for the biological characterization of these viruses. Applicant will be expected to apply basic research and clinical knowledge to product development and to interact with clinical groups, academic laboratories and pharmaceutical companies through collaborative research and development agreements. Patent experience essential.

Salary range: $40,000–$50,000 per year.

"NIH is an Equal Opportunity Employer." United States citizenship required. Applications must be received not later than 4 weeks after the publication date of this advertisement. Position targeted for EEO recruitment efforts.

Qualified and interested candidates should send curriculum vitae, bibliography and names and addresses of 3 (three) references to:

NIAID Personnel Office
Bldg. 31, Room 7A-20
900 Rockville Pike
Bethesda, MD 20892

PA No. 6

TEMPLE UNIVERSITY SCHOOL OF MEDICINE

Research Assistant Professor
Hematology/Oncology

The Department of Pediatrics of Temple University School of Medicine is seeking Ph.D. applicants for the position of Research Assistant Professor in the division of Hematology/Oncology, located at St. Christopher's Hospital for Children. A background in molecular biology and experience in cell adhesion biology is mandatory. Individual selected will coordinate cell-cell adhesion research ongoing in the division in conjunction with division chief, besides pursuing his/her own interests. Appropriate support will be provided. Please address inquiries to: Marie Stuart, MD, Professor of Pediatrics; Chief, Section of Hematology/Oncology, St. Christopher's Hospital for Children, Erie Ave. at Front St., Phila., PA 19134-1095.

Temple University School of Medicine is an Affirmative Action/Equal Opportunity Employer and strongly encourages applications from women and minorities.

UIC

The University of Illinois at Chicago

DEPARTMENT HEAD
DEPARTMENT OF BIOLOGICAL SCIENCES

Applications and nominations are being sought for the position of Head of the Department of Biological Sciences at the University of Illinois at Chicago. The Head is the chief administrative officer of the Department, with overall responsibility for instruction, budget, promotion, and faculty and staff recruitment. The Head is expected to provide strong leadership for the department in our continued development of research, teaching, and public service.

The Department of Biological Sciences consists of 37 faculty, over 120 graduate students and approximately 800 undergraduate majors. Major subdivisions of the Department include cell and developmental biology, ecology and evolution, molecular biology, neurobiology and plant biology. Located in the heart of Chicago, UIC enrolls 16,000 undergraduate, 5,000 graduate, and 3,000 professional students. Biological Sciences is a particularly well funded department within UIC's Research I environment.

The successful candidate will have an earned doctorate and be eligible for appointment at the rank of full professor. A strong record in research and university teaching, a demonstrated commitment to equality of opportunity, and substantial leadership and organizational skills are required. Women and minority candidates are especially encouraged to apply. The desired appointment date is August 21, 1995.

Applications should be received by September 15, 1994 to receive full consideration, although the search will proceed until the position is filled. Materials, including a full curriculum vitae and names and addresses of four references, should be directed to:

Professor Brian Nicholls
Biological Sciences Search Committee
c/o College of Liberal Arts and Sciences, m/e 228
The University of Illinois at Chicago
821 South Morgan Street
Chicago, Illinois 60607-7104

UIC is an Affirmative Action/Equal Opportunity Employer.
POSITIONS OPEN

CHEMISTRY DEPARTMENT, Princeton University invites applications for POSTDOCTORAL POSITIONS in organic, inorganic, or biochemistry. Send curriculum vitae directly to faculty of interest or write: Department Manager, Chemistry Department, Princeton University, Princeton, NJ 08544-0779. The Department offers Employment Opportunity/ Affirmative Action Employer.

RESEARCH ASSOCIATES IN SPACE BIOLOGY

The current Space Shuttle Program has allowed the development of space biology science that offers exceptional opportunities for research. NASA is offering RESEARCH ASSOCIATE AWARDS at the postdoctoral level for scientists to conduct Space Biology Research in a university laboratory or nongovernmental research institute of your choice that can provide the necessary facilities and research environment. Projects should be in the gravitational and space biology discipline. The awards are $20,000 for the first year, and $27,000 for the second year. Funding will begin July 1 to October 1, 1995. U.S. citizens and permanent resident aliens with Ph.D., M.D., or equivalent degree are eligible to apply. Also eligible are scientists who have completed their Ph.D. by October 1, 1995, but who are required to complete their dissertation after July 1, 1995. Funding will be awarded for a maximum of two years.

RESEARCH ASSOCIATE in Biochemistry and Molecular Biology at the U.S. $22,000 necessary facilities and research environment.

Department, Princeton University, invites applications for one position in the area of leukemia cell differentiation. Should have proven expertise in cell culture techniques, Western/ Northern blotting, and EM. Send curriculum vitae to: Dr. Kirk W. W. East Carolina University School of Medicine, Department of Medicine, Greenville, NC 27834. An Equal Opportunity/Affirmative Action Employer. Federal law requires proper documentation of identity and employability at the time of employment.

ASSOCIATE/SENIOR STAFF SCIENTIST OF RADIATION ONCOLOGY

The Department of Radiation Oncology invites applications for the position of ASSOCIATE/SENIOR STAFF SCIENTIST. The successful applicant will work jointly with existing NIH-funded programs in Radiation Oncology and Molecular Biology that are developing gene therapy-based methods to treat cancer. The successful applicant will have the opportunity to develop his/her own research program. Qualifications include previous experience in molecular biology, the ability to work independently, and external funding in cancer biology and therapeutics. Applicants should submit curriculum vitae and a brief description (limit to 500 words) of research, along with three references to: Dr. Bruce Watson, Department of Radiation Oncology, 43216 Main Street, Columbus, OH 43216.

The Division of Molecular Medicine and Genetics in the Department of Internal Medicine, University of Michigan Medical Center, is seeking additional faculty with research programs in the scientific area of Molecular Medicine. Responsibilities include: participating in the ACADEMIC PHYSICIAN SCIENTISTS who are board-certified or board-eligible in Internal Medicine and Clinical Genetics. However, applications from outstanding basic scientists are also welcome. Interested applicants should send curriculum vitae, statement of interest, and list of references to: David Ginsburg, M.D., Division of Molecular Medicine and Genetics, Department of Internal Medicine, University of Michigan Medical Center, 4520 Medical Sciences Building, Ann Arbor, MI 48109-0650. The University of Michigan is a non-discriminatory, Affirmative Action Employer.

DEMI Vehicle Systems, Inc., a newly formed, start-up company, has licensed an existing and very promising battery technology which is ideally suited as a power source for electric vehicles. A car powered with this technology can travel 100 miles on a single charge. The company has one or more financially rewarding positions open for SCIENTISTS to conduct research and development with a goal of further improving battery performance. Applicants must have working knowledge of the fundamental electrochemistry of batteries. A Ph.D. is required. Send curriculum vitae, a brief description of research accomplishments or publications, and names of three references to: Vice President, Human Resources, DEMI Vehicle Systems, Inc., 34157 Autry, Livonia, Michigan 48180.

SYSTEMATIC BOTANIST—The California Academy of Sciences invites applications for an ASSISTANT CURATOR OF PLANTS. The successful candidate will be solicited from individuals with primary interest in and commitment to active, collection-oriented research in higher plants, genetics, and development of a major herbarium. Candidates must have a Ph.D. and an active research program with demonstrated interest and competence in a particular group of vascular plants. Experience in this area, including sampling, herbarium, curatorial, administrative, and public educational activities at the Academy. Applicants should forward curriculum vitae and a brief biography to: Dr. Edward H.cribes: Human Resources, Department of Human Resources, Research, Pharmaceutica Discovery Corporation, 33 West Main Street, Elmford, NY 10523.

Pharmaceutical Discovery Corporation is seeking highly motivated individuals for the following position: PHARMACOLOGIST. Ph.D./MS (zero to three years) experience in pharmaceutical or biotechnology research. Excellent oral and written communication skills. Application due: Human Resources, Department of Human Resources, Research, Pharmaceutical Discovery Corporation, 33 West Main Street, Elmford, NY 10523.
The National Institute of Dental Research (NIDR) invites nominations and applications for the position of Director, NIDR. This is a Civil Service position in the Senior Executive Service with a salary range of $96,830 to $120,594 per annum, which includes a 4.23% locality allowance authorized for 1994. Physicians and dentists may be eligible for a Physicians Comparability Allowance up to $20,000 per year. A recruitment bonus of up to 25% of base pay may be available to a non-Federal applicant selected for this position, subject to individual approval. A relocation bonus of up to 25% of base pay may be available to a permanent Federal employee who must relocate to accept this position, subject to individual approval. A one-year probationary period must be served by the individual selected if not currently in the Senior Executive Service.

The National Institute of Dental Research conducts, fosters, and supports research and research training on the causes, prevention, diagnosis and treatment of oral, dental, and craniofacial diseases and disorders. In its intramural laboratories and in the extramural scientific community, the institute supports basic and clinical investigations and training of biomedical scientists with particular interest in the oral health sciences.

Applicants must meet the minimum educational requirements (or possess equivalent combination of experience and training) for the Dental Officer series, GS-680; the Medical Officer series, GS-602; the General Health Science series, GS-601; or an allied scientific discipline, as defined by the U.S. Office of Personnel Management Qualification Standards Handbook for General Schedule Positions, which is available in Federal Personnel Offices and Federal Job Information Centers.

Further information about the position may be obtained by contacting Ms. Carol M. Beasley, Personnel Officer, NIDR, at (301) 496-6971. An application for Federal Employment, SF-171, accompanied by a current curriculum vitae and bibliography, should be submitted to Ms. Beasley, National Institutes of Health, 9000 Rockville Pike, Building 31, Room 2C-23, Bethesda, MD 20892.

APPLICATIONS MUST BE RECEIVED BY October 17, 1994.

SELECTION FOR THIS POSITION WILL BE BASED SOLELY ON MERIT, WITH NO DISCRIMINATION FOR NON-MERIT REASONS SUCH AS RACE, COLOR, RELIGION, GENDER, NATIONAL ORIGIN, POLITICAL AFFILIATION, MARITAL STATUS, SEXUAL ORIENTATION, DISABILITY, AGE, OR UNION MEMBERSHIP.

NIH IS AN EQUAL OPPORTUNITY EMPLOYER

**Intestinal Epithelial Biology Program**

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

Amgen has established a research program to investigate the factors controlling the growth and differentiation of intestinal epithelium. The program incorporates the methodologies of a broad range of disciplines including molecular, cellular and developmental biology, as well as protein chemistry. The ultimate goal is to develop useful therapeutics. The following openings now exist at several different levels for exceptional individuals.

**RESEARCH SCIENTIST**

The qualified individual should have a Ph.D. or equivalent, at least 2-4 years' postdoctoral training, an excellent publication record and direct experience in intestinal epithelial cell biology or colon tumor biology. (Job Code: OA-SC-AT-001)

**POSTDOCTORAL FELLOWS**

Positions exist for Postdoctoral Fellows with a recent Ph.D. and a strong background in molecular, cellular or developmental biology. Particular consideration will be given to individuals with prior expertise in the regulation of intestinal epithelial cell growth and differentiation. The qualified applicant will take advantage of Amgen's expertise in the areas of receptor biology, signal transduction, and transgenic technology. (Job Code: OA-SC-BB-003)

**RESEARCH ASSOCIATES**

Openings exist for several Research Associates. The qualified applicants should have a BS, at least 2 years of research experience and a solid background in molecular and cellular biology. Particular technical expertise is sought in the areas of tissue culture, the biology of growth factors and their receptors, or the characterization of gene expression during mouse development. (Job Code: OA-SC-FC-001)

At Amgen, you'll find our approach to scientific research as rewarding as it is effective. We offer a highly competitive compensation and benefits package that includes a retirement and savings plan, an on-site fitness center, and three weeks' vacation. Please FAX/mail your resume/c.v. to: FAX: (805) 447-1985, Amgen Inc., Staffing. Job Code (see above), Amgen Center, Thousand Oaks, CA 91320-1789. For additional information regarding Amgen's recruitment process, please call (805) 447-4150. Principals only, please. EEO-Affirmative Action Employer M/F/D/V. We recognize that diverse perspectives are a key factor in the process of discovery.

**AMGEN**

Discover a unique approach.
North American Vaccine, Inc., a rapidly expanding company dedicated to the research, development and manufacturing of vaccines, has an immediate opening within our Research Group.

Immunologist
Postdoctoral / Scientist / Senior Scientist

Candidates should possess a Ph.D. in immunology or a related field. Knowledge of cellular immunology including T-cell proliferation and cytokine assays, monoclonal antibody production, animal models and antibody isotyping are all required. Excellent verbal and written communications skills are also required for all positions.

We are located in Beltsville, Maryland 20 minutes north of Washington DC and offer competitive salaries and benefits.

Interested individuals should send a curriculum vitae indicating position #839-D to:
Human Resources Manager
North American Vaccine, Inc.
c/o AMVAX, Inc.
12103 Indian Creek Court
Beltsville, MD 20705-4223
Fax: (301) 470-6198

Request for Proposals
ASPS 95-0047

Exxon Valdez Trustee Council
Scientific Support

The Department of Natural Resources Office of the Commissioner, Exxon Valdez Oil Spill Project Office, is soliciting detailed proposals for Scientific Support for the Exxon Valdez Oil Spill Trustee Council and its Executive Director. Offerors must have a project manager with at least a Ph.D. level of training in a scientific discipline related to the restoration of resources and services injured by the Exxon Valdez Oil Spill and ten years of increasingly responsible experience, including 5 years of research experience.

The resulting contract is proposed to be one year with five one-year renewal options subject to Trustee Council approval and funding. It is expected that this contract will not exceed $400,000 per year depending on the nature and scope of projects.

One (1) free RFP, with associated contract documents may be picked up or requested from Carol Fries, Natural Resources Manager, at the Department of Natural Resources, Commissioner’s Office, 3601 C Street, Suite 1210, PO Box 107005, Anchorage, AK 99510-7005. Telephone: 907-762-3483. The State assumes no liability for incorrect addresses or delivery of RFP packages by public or private carriers.

Proposals must be received by the issuing office no later than 5:00 p.m. August 31, 1994.

The State of Alaska Complies with Title II of the Americans With Disabilities Act of 1990. Individuals with disabilities who may need auxiliary aids, services, and/or special modifications to participate in this procurement should contact Carol Fries at the number listed, or TDD 907-762-2259, no later than August 10 to make any necessary arrangements.

Director
Institute for Advanced Studies in Biological Process Technology
University of Minnesota

The University of Minnesota seeks a Director for the Institute for Advanced Studies in Biological Process Technology (BPTI). This interdisciplinary research center consists of faculty members from the College of Biological Sciences, The College of Agriculture, The Institute of Technology, and the Medical School, and includes a fermentation pilot facility to carry out a wide range of bioprocess scale-up research. The Director establishes the mission and vision of the Institute, manages the budget and interacts with the biotechnology industry as part of the University’s outreach mission. The Institute reports to the Dean of the College of Biological Sciences as lead Dean. Policy decisions are made by the governing board consisting of the Vice President for Arts, Science and Engineering, the Vice President for Research, and Deans of the Colleges of Biological Sciences, Institute of Technology, Agriculture and the Medical School. The ideal candidate for Director will have a distinguished professional record with substantial experience in research or research management. The Director should be experienced in working at the interface between biology and engineering and capable of stimulating collaboration and interaction across this spectrum of fields. Appointment will be at the full professor level. Send applications with resume and a list of at least three references by October 15, 1994 to: Professor Matthew Tirrell, Chair, BPTI Search Committee, Department of Chemical Engineering and Materials Science, University of Minnesota, 421 Washington Avenue, SE, Minneapolis, MN 55455.

The University of Minnesota is an Equal Opportunity Educator and Employer.
SCIENTIFIC STAFF POSITIONS IN MACROMOLECULAR CRYSTALLOGRAPHY

The Oklahoma Medical Research Foundation invites applications for two openings in Macromolecular Crystallography. The Foundation is a private research institution located in the Oklahoma Health Center, Oklahoma City, OK. The Foundation has a new Protein Crystallography Laboratory currently studying the structure of several biomedically important proteins. The biology of these projects is supported by strong basic research programs in Cardiovascular Biology, Molecular and Cell Biology, Immunology, Free Radical Biology, Protein Studies, and others in the Foundation.

Scientific Staff - The applicant should have Ph.D. and postdoctoral training in macromolecular crystallography. Both independent and collaborative projects exist. Startup funds are available. Academic rank and salary will be commensurate with experience and qualifications. Applicants are asked to send a resume and a brief statement of research interests.

Research Associate - Applicants should have a Ph.D. and preferably postdoctoral experience in protein crystallography. Opportunities to work in areas of rational drug design program in the anti-viral program and infectious diseases exist. Several crystals that diffract to high resolution are available for immediate study. Applicants are asked to send a resume and two letters of reference.

Send Applications for either position to Drs. Jordan Tang or Stephen Foulding, Oklahoma Medical Research Foundation, 825 N.E. 13th Street, Oklahoma City, OK 73104. Telephone (405) 271-7291 or FAX (405) 271-7249. Internet address: Jordan-Tang@OMRF.UGHS.CEDU. Applications completed by August, 15th will be assured of receiving full consideration. The OMRF is an Equal Opportunity employer.
On 23 September 1994, SCIENCE will present its annual Careers issue. Last year's Careers issue highlighted over 65 pages of career opportunities for scientists at all levels. The 1994 issue will once again rank as one of the top scientific career planning resources.

SCIENCE Careers '94 presents a "how to" guide for scientific success in the 1990's. From early career advice on securing an entry level job to navigating the stormy seas of mid-career challenges, the SCIENCE Careers issue covers important topics that scientists at every level will need for career success.

When you advertise you will receive:

- **Bonus Distribution**
  Copies of the 23 September issue will be distributed to over 2,000 attendees at each of the Biotechnology/Pharmaceutical Job Fairs in La Jolla, CA on September 23-24, and in Cambridge, MA on September 30 - October 1.

- **Advertisers' Index**
  Full page advertisers will be listed separately on an index affixed to the covers of the issues distributed at the job fairs.

- **Harvey Readership Study**
  Full page advertisers will benefit from a Harvey Readership Study - a terrific way to find out what SCIENCE readers are thinking about your advertising message.

- **Maximum Exposure**
  Full page advertisers receive preferred placement in the career related editorial section. Special teaser advertisements in the regular recruitment section in the back of the magazine will direct active job seekers to turn to the full page advertisements in the Careers section.

**Advertising Deadline: 6 September 1994**

To advertise call Janis Crowley in the U.S. at (212) 496-7704 or fax to (202) 682-0816. In Europe, call (44) 0223 302067 or fax to (44) 0223 302068.
BUILD YOUR CAREER ON THE STRENGTH OF OUR NEW ALLIANCE

Ortho Diagnostic Systems, a Johnson & Johnson company, has established itself as an innovator in the field of hemostasis. Now, with our recent alliance with Medical Laboratory Automation, Inc. (MLA), a leader in automated laboratory instrumentation, we are looking forward to an enhanced ability to provide our customers with superior products and services. With this new alliance comes new opportunities for dynamic management professionals who are ready to position their careers on the leading edge of this exciting industry.

Reporting to the General Manager of the Hemostasis unit, you'll manage a team of hemostasis scientists as they develop new products and new applications for existing products. You'll interact with marketing and technology to ensure that customer requirements are met, and oversee the planning and administration of all research efforts.

We require a Ph.D. in Biochemistry or Chemistry with an emphasis on coagulation and at least 10 years industrial experience in diagnostics. A solid background in hemostasis and protein chemistry, along with experience managing an R&D department are needed. The team leader we seek must also have strong computer, communication, presentation and problem-solving skills.

In addition to the strong foundation and dynamic challenges promised by our new alliance with MLA, we offer a team-oriented work environment, competitive salary and the full package of Johnson & Johnson benefits, including dental plan, tuition reimbursement and our on-site LIVE FOR LIFE Wellness Center. Please forward your resume and salary requirements to: Human Resources Dept. CP, Ortho Diagnostic Systems Inc., 1001 US Hwy 202, P.O. Box 350, Raritan, NJ 08869-0606. We are an Affirmative Action/Equal Opportunity Employer M/F/D/V.

Ortho Diagnostic Systems Inc.
a Johnson & Johnson company

Environmental Positions
Entrix, Inc.

Entrix, Inc. is a multidisciplinary environmental consulting firm with principal offices in San Francisco, Sacramento, Glendale (CA), Houston, Dallas, and Wilmington (DE). We are committed to high-quality consulting services and to maintaining a work environment that encourages professional development and achievement. ENTRIX has immediate openings in a number of technical and project management areas. We are seeking creative, industrious, self-motivated and technically proficient team players to fill the following positions:

Senior Consultant/Senior Project Manager with a technical background in Ecology, Biology or Toxicology, M.S. or Ph.D. level, with a minimum of five years of consulting experience.

Environmental Fate/Chemist, M.S. or Ph.D. level, with a minimum of one year of experience. Experience in hydrocarbon and metal chemistry desirable.

Aquatic Toxicologist, Fisheries/Marine Biologist, M.S. or Ph.D. level, with a minimum of two to five years of experience.

Positions involve conduct, supervision and/or management of Ecological Assessments for Superfund programs as well as Natural Resource Damage Assessment programs. Interested individuals should send resumes, university transcripts, and references to:

ENTRIX, Inc.
Ralph K. Markarian, Ph.D., Manager
200 Bellevue Parkway, Suite 200
Wilmington, DE 19809

ENTRIX is an Equal Opportunity Employer.
ASSISTANT PROFESSOR OF RADIOLOGY

The Department of Radiology, University of Minnesota Medical School is seeking a full-time physicist or chemist for an academic position at the Assistant Professor/tenure-track level. The primary responsibility for this position will be to develop a research program in NMR imaging and spectroscopy in humans, with particular emphasis on functional brain mapping; foster collaborations with neuroscientists at University of Minnesota and other institutions to establish collaborative research projects; participate in collaborative efforts in ongoing and future work in high-field magnetic resonance imaging and spectroscopy at the Center for Magnetic Resonance Research (CMRR); and generate grant applications and ultimately funding for such research projects independently and in collaboration with other neuroscience and/or CMRR faculty members. The position does not require responsibilities for teaching of courses but may involve minimal teaching in the form of selected lectures within a formal course.

Candidates who wish to apply must have:
1) A Ph.D. degree in either physics or chemistry, with the Ph.D. thesis research in the field of in vivo NMR spectroscopy and/or imaging.
2) At least two years of postdoctoral training in NMR imaging and spectroscopy, with particular focus on imaging and spectroscopy studies on humans.
3) At least two years of experience with development of techniques for and applications of functional magnetic resonance imaging in the human brain. This experience must be in addition to the Ph.D. thesis research and can be acquired during postdoctoral training.
4) Experience with and a working knowledge of computer programming in C language.
5) Experience with spatially localized spectroscopy techniques, adiabatic pulses and imaging methods.

Familiarity with SISCo NMR instruments, a broad training in NMR techniques (including, for example, a knowledge of high resolution multidimensional NMR applications), and in particular, experience with high field (3 Tesla) human MR applications would be highly desirable. The candidate must have demonstrated ability to perform innovative research and participate in multidisciplinary collaborative projects involving neuroscientists and NMR physicists. Salary will be commensurate with experience. Anticipated start date is October 1, 1994.

Applicants for this position must submit curriculum vitae and the names and telephone numbers of three references to:
Dr. Kamil Ugurbil, Chair
Search Committee, Assistant Professor
Center for Magnetic Resonance Research
385 East River Road
Minneapolis, MN 55455

Deadline for receipt of applications is August 31, 1994.

The University of Minnesota is an Equal Opportunity Educator and Employer and specifically invites and encourages applications from women and minorities.

UNIVERSITY OF ALABAMA AT BIRMINGHAM

Microbial Genetics or Bacterial Pathogenesis

A tenure-track faculty position in the areas of Microbial Genetics and/or Bacterial Pathogenesis is available in the Department of Microbiology. While we anticipate filling this position at the Assistant Professor level, exceptional senior scientists will also be considered. Candidates should have a Ph.D. degree or equivalent and have demonstrated excellence in originality, and productivity in research. A strong commitment to graduate and medical teaching also is required. We are most interested in fostering independent research in an environment of interactive collegiality. Tenure and salary status will be dependent upon credentials.

The successful applicant will have the opportunity to join a highly interactive faculty with large pre- and postdoctoral NIH-supported training programs. The graduate program is an interdepartmental program in Cell and Molecular Biology. Faculty activities focus on: microbial physiology and genetics; gene expression; pathogenesis; vaccine development; molecular and cellular immunology with emphasis on mucosal immunology; and viral structures and replication, and assembly. The Department is ranked within the top five in NIH funding and the Schools of Medicine and Dentistry within the top 25. Excellent core research facilities are available including an exceptional animal resources program with transgenic and gnotobiotic facilities. The University has over 50 research centers including an NIH supported Center for AIDS Research, Immunobiology and Microbiology, X-ray Crystallography Center, and Comprehensive Centers for Cancer and Arthritis.

Candidates should submit written applications, including curriculum vitae, a brief statement of research accomplishments and teaching interests, a brief description of future research plans and arrange for three letters of reference to be sent to: Ms. Judy Price, Director Administrative Services, Department of Microbiology, University of Alabama at Birmingham, BBRB Room 276/11, Birmingham, AL 35294-2170.

Meeting on the Critical Assessment of Techniques for Protein Structure Prediction

December 4-8, 1994, Asilomar Conference Center, California, USA.

The goal of this workshop is to provide an objective assessment of our current ability to predict protein three dimensional structure from amino acid sequence. Structure prediction methods have been asked to predict as much as possible about a set of structures now being determined. Predictions are being made using comparative modeling, threading and ab initio methods. At the meeting, the outcome of these blind predictions will be assessed, current methods reviewed, and future goals identified.

Participating structure prediction teams include those of:
Geoffrey Barton, Oxford University, UK
Steve Benner, ETH, Zurich, Switzerland
Troy Blundell, University of London, UK
Steve Byrarn, NLM, Bethesda, USA
David Covell, NCI, Frederick, USA
Andrew Coulson, University of Edinburgh, UK
David Eisenberg, UCLA, USA
Adam Godzik, Scripps, USA
Tim Hubbard, MRC, Cambridge, UK
Rod Hubbard, MSI, USA
Yo Matsun, PERI, Japan
David Moenekis, Trips, USA
Chris Sander, EMBL, Germany
Harold Seheraga, Cornell University, USA
Manfred Sippl, University of Salzburg, Austria
Jane Thornton, University of London, UK
Gert Vriend, EMBL, Germany
Irme Weber, Thomas Jefferson University, USA

Predictions will be reviewed by:
Michael James, University of Alberta, Canada (Comparative modeling)
Shakhsa Wodak, Free University of Brussels, Belgium (Threading)
Fred Cohen, UCSF, USA (Ab initio methods)

Organizing committee:
John Moult (Chairman), Jon Pedersen, CARB, University of Maryland.
Kenyerek Fidelis, Rod Bohm, Lawrence Livermore National Laboratory.
Richard Judson, Sandia National Laboratory.
Walt Sievers, CARB, National Institute of Standards and Technology.

Information about participation in the prediction process can be obtained from: jroumil@iris4.carb.nist.gov

Participation in the meeting by interested modelers and experimentalists is invited. Attendance is limited to approximately 100. Some financial assistance is expected to be available for speakers and junior people.

Registration information may be obtained from:
Richard Judson
Sandia National Laboratory, MS-9214
Livermore, CA 94551-0946.
Telephone: 510-294-1438
Email: rjuds@california.sandia.gov

Deadline for registration: 1 October 1994.
Preferences will be given to early respondents.

ASSOCIATE EDITOR

An editorial position at Science is available for a Ph.D. scientist with a broad range of interests and research experience in one or more of the following areas: condensed matter physics, mineral physics, chemistry and/or materials science. We are seeking someone with at least two or three years of postdoctoral experience and publications in the refereed literature. Editors have varied responsibilities including solicitation, selection, and editing of manuscripts. Previous editorial experience is not required. This is a full-time position in our Cambridge, U.K., office. Fluency in French or German preferred.

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

Dr. Richard Gallagher
14 George IV Street
Cambridge, UK CB2 1HH

EOE
A Leader in Structure-Based Drug Design

**PROTEIN BIOCHEMISTRY-PhD**

We are seeking individuals at the PhD level to join and help lead an existing research team, dedicated to the purification and biochemical characterization of medically important proteins, especially soluble enzymes, identified as therapeutic drug targets. You will be expected to design and implement innovative strategies for the purification of proteins at the 10-1000 mg scale, and will be primarily responsible for the ongoing availability of these proteins for X-ray crystallographic and high-field NMR analysis. Successful candidates will have a minimum of three years of experience with a diverse array of chromatographic protein isolation methods (including HPLC and FPLC), and with modern electrophoretic and spectroscopic methods for evaluating protein purity and integrity. Familiarity with biophysical methods for characterizing protein-ligand interactions would be a distinct advantage. Strong communicative and interpersonal skills are a must.

**PHARMACOKINETICS AND DRUG METABOLISM-PhD**

The primary responsibilities of the selected candidate will include the design and conduct of preclinical pharmacokinetic and drug metabolism studies, analytical methods development for new chemical entities and their metabolites in biological fluids, pharmacokinetic and statistical data analysis, and report summarization. Preclinical pharmacokinetic studies will include the development of appropriate animal models for absorption and metabolism studies, using the knowledge of the physicochemical properties of the drugs, allowing the prediction of drug disposition in man.

Candidates must have a PhD in Pharmaceutical Sciences with an emphasis on Pharmacokinetics, Biopharmaceutics and/or Drug Metabolism with 0-3 years of postgraduate experience. An excellent understanding of pharmacokinetic and metabolism principles is needed for study design, data interpretation and report writing. Candidates must have experience in bioanalytical methods development using HPLC, GC, TLC and radiometric techniques. Applicants must have experience in the use of pharmacokinetic and statistical software packages to solve kinetic problems. Excellent communication skills (both oral and written) are mandatory. A desire and interest in working “hands-on” in the laboratory is essential.

**MEDICINAL CHEMIST-BS/MS/PhD**

**Bachelor's/Master's** - We seek candidates at the Bachelor's/Master's level with a degree in synthetic organic chemistry with at least 2 years of full-time bench experience and a demonstrated enthusiasm for bench-scale synthetic chemistry, preferably within the pharmaceutical industry. We also seek an individual with a Bachelor's/Master's degree and 4+ years industry background with hands-on experience in multiple solid supported synthesis of peptides or organic small molecules. An in-depth knowledge of peptide chemistry and state-of-the-art multiple synthesizers and familiarity with modern synthetic chemistry techniques are highly desirable.

**PhD** - Candidates at the PhD level must also possess a degree in synthetic organic chemistry and experience with a proven record of creative contributions to challenging problems. The desire to apply insights from biology, structural biophysics and computational chemistry to design problems is essential.

**RESEARCH PROCESS CHEMISTS**

In collaboration with a team of organic chemists, you will be directly responsible for the optimization, and scale-up of intermediates/final products, and the manipulation of these synthetic organic materials from milligram to kilogram level.

The ideal candidate will have a PhD in synthetic organic chemistry with a minimum of 3-5 years of experience at the preparative scale. Experience interacting with scientists at both bench and pilot plant is essential. Excellent written and oral communication skills along with a working understanding of GLP/GMP production is highly desirable.

**MOLECULAR BIOLOGY/EXPRESSION-BS/MS/PhD**

We are seeking candidates at all levels in the Biological Sciences to join our existing research team involved in the expression of recombinant proteins. Suitably qualified candidates should have a minimum of 2 years of experience in molecular biology. Candidates would be expected to be proficient in routine genetic manipulation techniques including sequencing and site-directed mutagenesis. Experience in the use of expression systems for the production of recombinant proteins would be advantageous.

With our resourceful approach to structure-based rational drug design and a strong financial base, we invite you to take advantage of our excellent salaries, benefits and professional development potential. Please forward a detailed resume with references and publication record to: Vertex Pharmaceuticals Incorporated, c/o Recruiting Manager, SCB/94, 40 Allston Street, Cambridge, MA 02139-4211. Equal Opportunity Employer.
POSITIONS OPEN

HARVARD MEDICAL SCHOOL
NEW ENGLAND REGIONAL PRIMATE RESEARCH CENTER

THREE POSTDOCTORAL RESEARCH FELLOWSHIPS in Comparative and Veterinary Pathology are available immediately. Two of these are supported by a three-year NIH Institutional Training Grant designed to provide veterinarian candidates (D.V.M., V.M.D., or equivalent) with research training in comparative and experimental pathology.

The other FELLOWSHIP is supported by individual NIH Research Grants for up to three years and is available to individuals with a graduate degree (M.D., D.V.M., Ph.D.). The research focus of this Fellowship is the pathogenesis of AIDS with an emphasis on early events in tissues, particularly the central nervous system. For this position, a familiarity with primary cell culture, molecular biology and immunopathology is desirable.

Applicants must be citizens or non-citizen nationals of the United States, or must have been lawfully admitted to the United States for permanent residence. Successful applicants will have appointments in the Department of Pathology of the Harvard Medical School for the duration of their training. The New England Regional Primate Research Center is a Harvard-affiliated institution located 25 miles west of Boston in Southborough, Massachusetts.

To apply, send a letter indicating which of the three positions you desire, your research interests and experience, along with curriculum vitae, graduate school transcripts and the names of three individuals who may be contacted for references to: Norval W. King, D.V.M., Associate Director for Research, New England Regional Primate Research Center, Harvard Medical School, One Pine Hill Drive, P.O. Box 9102, Southborough, MA 01772-9102. Harvard University is an Affirmative Action and Equal Opportunity Educator and Employer. Individuals from under-represented minorities are strongly encouraged to apply.

SYMPOSIUMS

SOCIETY FOR BASIC UROLOGIC RESEARCH

1994 Fall Symposium
Fairchild Auditorium, Stanford, CA
October 20-23, 1994
Abstract Deadline: September 30, 1994
Pre-Registration Fee (by September 1): $100
Contact: Dr. Donna Pechl
Department of Urology, Stanford Medical Center
Telephone: 415-725-5831; FAX: 415-723-0765

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504 E. Diamond Ave., Ste G
Gallatinburg, MD 20877
301-869-0840. Fax: 301-963-4214

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