POSITIONS OPEN

Cell Biologist/Immunologist. The Department of Cell Biology, Neurobiology and Anatomy at Loyola University Chicago is seeking a Cell Biologist to fill a tenure-track position at the ASSISTANT PROFESSOR level. Applicants should have completed postdoctoral training and be capable of establishing an independent research program with extramural funding, although sufficient seed money will be available for establishing a laboratory. Individuals utilizing molecular approaches in the fields of general cell biology, immunology or neuroimmunology are encouraged to apply. Teaching responsibilities include medical histology and graduate cell biology courses. Applicants should submit a letter indicating qualifications and research goals, curriculum vitae and the names of three references by December 1, 1992 to: John Clancy, Jr., Department of Cell Biology, Neurobiology and Anatomy, Loyola University Chicago, 2160 South First Avenue, Maywood, IL 60153. Loyola University is an Equal Opportunity Employer.

FACULTY POSITION
Department of Biochemistry

A tenure-track faculty position, preferably at the ASSISTANT PROFESSOR level, is available in the Department of Biochemistry at Baylor College of Medicine. The Department covers a wide range of research interests in molecular genetics, developmental biology, biochemistry and protein structure and function. We are seeking outstanding candidates in any of these disciplines. Interested individuals are invited to complete an application including curriculum vitae, reprints of recent work, a statement of present and future research activities, and arrange to have letters of recommendation sent by November 30, 1992 to:

Search Committee
Department of Biochemistry
Baylor College of Medicine
One Baylor Plaza
Houston, TX 77030

Baylor College of Medicine is an Affirmative Action/Equal Opportunity Employer.

BIOLOGICAL CHEMISTRY ASSISTANT PROFESSOR—UNIVERSITY OF FLORIDA. The Department of Chemistry invites applications for a tenure-track position at the Assistant Professor rank starting in the 1993-94 academic year. Evidence of ability to establish and conduct competitive and vigorous research programs and to teach in our biochemistry curriculum at the undergraduate and graduate levels is required. This position is intended to serve as part of a new initiative in the area of biological chemistry, in conjunction with UF’s Interdisciplinary Center for Biotechnology Research (ICBR). Applicants should send curriculum vitae, research plans, and teaching interests, and arrange to have three letters of reference forwarded to: Professor Richard A. Torl, Search Committee Chairman, Department of Chemistry, University of Florida, Gainesville, FL 32611. Deadline for application is October 21, 1992. The University of Florida is an Affirmative Action, Equal Opportunity Employer.

The University of New Mexico (UNM) Cancer Center wishes to recruit a Ph.D. or M.D. faculty member (ASSISTANT or ASSOCIATE PROFESSOR) studying molecular aspects of hematopoiesis, especially involving stem-cell and/or cytokine cytokine biology. This investigator will interact with other researchers studying the control of cytokine and protein kinase gene expression, activation of receptor-mediated signaling pathways and the regulation of adhesive interactions in hematopoetic cells. Interactions with the Cancer Center’s clinical research programs, especially ongoing trials of high-dose chemotherapy with hematopoietic cell reinfusion. Receptor signaling, cytokine gene regulation, hematopoietic progenitor cell culture, and tumor xenograft models are ongoing. Send letters of interest, curriculum vitae and the names of three references to: Robert G. Strickland, M.D., Chairman of the Department, University of New Mexico School of Medicine, 2211 Lomas NE, ACC 5th floor, Albuquerque, NM 87131. Affirmative Action/Equal Opportunity Position. Women and minorities encouraged to apply.

ASSISTANT PROFESSOR IN BACTERIAL GENETICS or BACTERIAL PATHOGENESIS

The Department of Microbiology and Immunology at the Oregon Health Sciences University has an opening for a scientist or physician scientist at the Assistant Professor level (tenure track). Candidates should hold the degree of Ph.D. and/or M.D., and should have a strong background in bacterial genetics or pathogenesis. Letters of application should include curriculum vitae, bibliography, a brief statement (less than 500 words) indicating research activities, names, addresses and phone numbers of three referees. Send information by November 1, 1992 to: Fred Heffron, Ph.D., Professor, Department of Microbiology and Immunology, Loyola University Chicago, 2160 South First Avenue, Maywood, IL 60153. Loyola University is an Equal Opportunity Employer.

ASSISTANT PROFESSOR MOLECULAR GENETICS

To work on cloning and characterizing the ataxiate-largactasia gene, a gene that predisposes to breast and other human cancers. Outstanding experience in molecular genetics required. Opportunity for independent research in a growing research group. Position available now. Send resume and references to: Michael Swift, M.D., Department of Pediatrics, New York University College of Medicine, 240 East 14th St., NY 10003. Telephone: 212-995-8381. FAX: 212-995-8381.

PLANT COMMUNITY ECOLOGIST

The Department of Botany, University of Georgia, invites applications and nominations for a tenure-track position beginning as early as September 1993, the appointment will be made at the ASSISTANT PROFESSOR level. Candidates are expected to conduct independent research in plant community ecology and to teach appropriate undergraduate courses in ecology. Please submit curriculum vitae, statements of research and teaching interests, reprints, and arrange for four letters of reference to be sent directly to: Dr. Russell L. Malmberg, Department of Botany, University of Georgia, Athens, GA 30602. Closing date is November 2, 1992. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR, DIVISION OF REPRODUCTIVE BIOLOGY, JOHNS HOPKINS UNIVERSITY. Applications are invited for a tenure-track position. We are interested in investigators who use modern biochemical and molecular techniques to study basic reproductive processes. Faculty members maintain independent, well-funded research programs, and advise and teach graduate and undergraduate students. Application deadline: October 1, 1992. Starting date: negotiable. Send curriculum vitae, description of proposed research, and names of four references to: Dr. William W. Wright, Division of Reproductive Biology, Department of Population Dynamics, Johns Hopkins School of Hygiene and Public Health, Baltimore, MD 21205.

The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer. Applications are encouraged from women and minority groups.

ASSISTANT PROFESSOR OF PATHOLOGY to be associated with Preuss Laboratory for Brain Tumor Research and NIH Brain Tumor Center at Duke University Medical Center. M.D. or Ph.D. and minimum of two years postdoctoral experience in molecular biology required. Experience in DNA recombinant techniques, especially genomic cloning, PCR amplification, expression of genes in transgenic systems, and site-directed mutagenesis desired, particularly experience with human/ mouse monoclonal antibody chimerization. Projects may also include suppressor gene and oncogene work with human brain tumors. Salary negotiable, dependent upon experience. Position available immediately. Send curriculum vitae and three recommendation letters to: Darel D. Bigner, M.D., Ph.D., Department of Pathology, Duke University Medical Center, Box 3156, Durham, NC 27710, FAX (919) 684-6331. An Equal Opportunity/Affirmative Action Employer.
Training and Research Opportunities.

Listed below are a few of the excellent opportunities for conducting research that are now available with leading scientists at the National Institutes of Health.

Allergic Disease Pathogenesis
Michael A. Kaliner, MD

The events which are initiated by the interaction of antigen with mast cell bound IgE are being examined in order to define the biochemical events within mast cells which lead to mediator release. Other studies seek to identify the mediators of allergy and their roles in allergic diseases, understand the role of cytokines in the allergic response and understand the events leading to airway hyper-responsiveness. A strong background in molecular biology is preferred. Laboratory of Clinical Investigation (OE-18), NIAID, Building 10, Room 11C205.

Immunoglobulin Biology
Seth H. Pincus, MD

Senior Staff Fellow (assistant professor equivalent) or Staff Fellow position is available to study: therapeutic applications of antibodies, effects of antibodies on microbial variation, production of chimeric antibodies to study Ig structure and function, and the molecular genetics of antibody production. Previous postdoctoral experience is preferred. Laboratory of Microbial Structure and Function (OE-18), NIAID, Rocky Mountain Laboratories, 903 South Fourth Street, Hamilton, MT 59840.

Immunology
Abner Notkins, MD

Senior Staff Fellow and Postdoctoral Fellow positions are available to study polyreactive antibodies and the biology of CD5+ and CD5- B cells. Studies also focus on the production of human monoclonal antibodies against clinically-relevant antigens and antigen processing/presentation. Experience in molecular biology is desirable. Opportunity exists for senior staff fellows to have technical and/or postdoctoral support. Intramural Research Program (OE-18), NIDR, Building 30, Room 131.

Molecular Neurobiology/Neuroendocrinology
William C. Wetsel, PhD/Andres Negro-Vilar, MD, PhD

Investigations in reproductive endocrinology include regulation of gene expression, RNA splicing, protein processing and trafficking, peptide secretion, and intracellular signaling. Particular emphasis is placed on the molecular and cellular mechanisms which underlie these events. Candidates should have experience in molecular and cell biology and biochemistry and less than three years of postdoctoral experience. Laboratory of Molecular and Integrative Neurosciences (OE-18), NIEHS, P.O. Box 12233, Building 101, Room C4-07, Research Triangle Park, NC 27709.

Neurobiology/Neurophysiology
Chris McBain, PhD

The role of voltage and ligand gated ion channels in the regulation of neuronal excitability is being studied. Techniques used include whole cell patch clamp recordings from CA3 pyramidal neurons and interneurons in the hippocampal slice and identified acutely dissociated neurons. In addition, the properties of voltage gated potassium channels will be studied in transfected cell lines. Background in neurophysiology with knowledge of electrophysiological techniques is required. Laboratory of Cellular and Molecular Neurophysiology (OE-18), NICHD, Building 36, Room 2A21.

NMR Spectroscopy
Robert E. London, PhD

Multi-dimensional NMR methods are being used in the analysis of protein structure/dynamics and peptide-protein interactions. High resolution NMR instrumentation includes 360 MHz and 500 MHz NMR spectrometers. Experience in the application of NMR to the study of biologically important macromolecules and enzyme isolation and purification is required. Laboratory of Molecular Biophysics (OE-18), NIEHS, P.O. Box 12233, Building 17, Room 1704, Research Triangle Park, NC 27709.

Additional Postdoctoral Fellowship Opportunities

For an on-line listing of additional postdoctoral openings you may access the NIH EDNET Bulletin Board's POSTDOC conference via modem (1,3014922221 or 1,8003582221). The settings for modem access are "7,Even,1". When connected to NIH, type in ",vt100" at the connect message, "F5E" at initial, and "AJLI" at account.

Those interested in receiving information on other postdoctoral opportunities in NIH research laboratories, as well as information on clinical training opportunities, may contact the Office of Education, Building 10, Room 1C129. Phone: 301-496-2427.

To Apply

If you hold a PhD, MD, or equivalent degree and would like to be considered for one of these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.
FORMULATION STAFF SCIENTIST
PROCESS DEVELOPMENT
Delivering on the Promise of Biotechnology...

Immunex Corporation, a Seattle biopharmaceutical company focused on the research, development, manufacture and marketing of products to treat cancer and autoimmune disease, is seeking a qualified Formulation Scientist to join our Process Development group. The successful candidate will be responsible for designing stability studies to test the functional and chemical integrity of the protein and assist biologists and clinicians in assessing the efficacy of drug delivery. Projects will include liquid formulation development and pulmonary delivery (powder or aerosol) for a variety of recombinant proteins. Scientists with a Ph.D. in a relevant scientific discipline and industrial experience in recombinant protein formulation and drug delivery are encouraged to apply. Experience with sustained release formulations, spray drying and lyophilization is desirable. Excellent communication skills and the ability to work in a collaborative environment are essential.

Immunex Corporation offers a fast paced, stimulating environment, competitive salaries and an excellent benefits package. For consideration, please submit C.V., names of three references, and a list of publications to: IMMUNEX CORPORATION, Attn.: Human Resources Dept., 51 University St., Seattle, WA 98101. Fax: (206) 623-4572. Equal Opportunity Employer.

POSITIONS OPEN

Ph.D., microbiology, with interest in molecular pathogenesis to work as a RESEARCH ASSISTANT PROFESSOR, Department of Medicine, Harborview Medical Center focusing on bacterial pathogenesis of sexually transmitted pathogens, especially H. ducreyi. Please respond to: Walter E. Stamm, M.D., Department of Medicine, Infectious Diseases Division, Harborview Medical Center, ZA-99, 325 9th Avenue, Seattle, WA 98104, telephone (206) 223-8493.

TENURE TRACK POSITIONS IN PHYSIOLOGY
The School of Biological Sciences invites applications for up to two tenure track ASSISTANT or ASSOCIATE PROFESSORS for molecular/cellular physiologists in any area of research compatible with the interests of the School program. The emphasis is placed on molecular recognition as applied to mechanisms of cellular regulation and control of proliferation. Research areas of eukaryotic signal transduction, sensory perception, stress mechanisms, endocrinology, cellular/molecular assembly, mechanisms of cardiac and renal cell injury, and cell surface phenomena and transport are preferred, but not all-inclusive. We are seeking individuals with demonstrated potential to establish independent extramurally-funded research programs in any of the above research areas. Communication and organizational skills are required. Willingness to organize/direct a health sciences (Medicine/Dentistry) physiology course and to participate in undergraduate and graduate (Ph.D. and M.S.) level courses is essential. Competitive salaries, newly renovated research space, start-up funds, and excellent research core facilities available. Review of applicants will begin October 15, 1992. Applications should refer to position SBS-1. Submit curriculum vitae, statement of research goals and teaching interests, and three letters of reference to: SBS-1 Search Committee, University of Missouri–Kansas City, School of Biological Sciences, 6100 Rockhill Road, Kansas City, MO 64110-2499.

NEUROSCIENTIST POSITION
THE OHIO STATE UNIVERSITY
Applications are invited for a tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR level. We seek someone for a primary appointment in a clinical department with the potential for a joint appointment in a basic science department. The successful candidate should have evidence of research and teaching excellence in molecular, cellular or systems neuroscience; the M.D. degree; and board certification or eligibility in a clinical neuroscience specialty. Our neuroscience program currently includes 80 faculty members with a variety of interests including developmental neuroscience, regenerative and plasticity, biochemical neuropathology, central nervous system transplant technology, gait/motor control, neuropharmacology, nervous system homeostasis, neuropharmacology, psychobiology, psychoneuroimmunology, brain imaging, neuromuscular diseases, movement disorders, sleep, pharmacology, Alzheimer’s disease, and neurobiology of schizophrenia and affective disorders. Applications including curriculum vitae and three to five references should be mailed to: Dr. George F. Martin, Department of Cell Biology, Neurobiology and Anatomy, 4066 Graves Hall, 333 West 10th Avenue, The Ohio State University, Columbus, OH 43210 by October 16, 1992 or until the position is filled. The Ohio State University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR. The University of Nebraska Medical Center’s Department of Ophthalmology is looking for a researcher with an interest in diabetic retinopathy or other proliferative retinopathy diseases. Cell culture techniques, growth factors and interaction of single previous processing are the areas of primary focus. Ph.D. in biochemistry or pharmacology is required. Salary/position are dependent on qualifications. Tenure-applicant appointment contract must be renewed. Excellent opportunity for interaction with basic science departments. Send applications to: David M. Chuck, M.D., Ph.D., Assistant Professor and Director of Retina Service, University of Nebraska Medical Center, 600 South 42nd Street, Omaha, NE 68198-3540. Equal Opportunity/Affirmative Action Employer. Minorities and Women Are Encouraged to Apply.

Executive Director of Research

Somatogen, a biopharmaceutical company currently engaged in the development and manufacture of recombinant human hemoglobin, has a challenging opportunity for an MD or Ph.D., with seven plus years of experience beyond the post-doctoral level, to lead a growing research group with active programs in the areas of protein engineering, drug delivery, eukaryotic and prokaryotic molecular biology. The successful candidate will have the opportunity to establish or to continue their own research program and group at Somatogen.

We are seeking a scientist who is comfortable managing and expanding a research team in an aggressive, team oriented atmosphere which emphasizes quality science and communication with the international academic and industrial scientific community.

The rich academic and cultural environment of Boulder, Colorado is an added benefit along with the competitive salary and benefits package which complement this offer. Interested candidates may send a curriculum vitae, three references and a list of publications by September 15, 1992, indicating 'Executive Director of Research' to:

Nancy Borne, Manager of Professional Development.
SOMATOGREN 5797 Central Ave., Boulder, CO 80301

EOE
POSITIONS OPEN

CANCER RESEARCH CENTER OF HAWAII
RESEARCH MEDICAL ONCOLOGIST

A tenure-track position is available for a research medical oncologist with clinical trials and/or laboratory interest. Protected time to develop and conduct research projects is guaranteed. Excellent well-equipped laboratory space is available. Requirements include: a record of accomplishment in research and qualifications permitting the practice of medicine in Hawaii. Desirable qualifications include active clinical and laboratory interests in chemoprevention studies and biomarkers of cancer. Applications and/or curriculum vitae should be sent to: Chair, Medical Oncologist Search Committee, 1236 Lauhala Street, Honolulu, HI 96813, telephone (808) 586-3012. The University of Hawaii is an Equal Employment Opportunity/Affirmative Action Employer.

FACULTY POSITION IN PHARMACOLOGY

The Department of Pharmacology is seeking applications (M.D. and/ or Ph.D.) for a position at either the ASSISTANT, ASSOCIATE, or FULL PROFESSOR level. Applicants are sought with research programs in any aspect of neuropharmacology or related disciplines. Candidates should send curriculum vitae to: Chair, Department of Pharmacology, Yale University, P.O. Box 208120, New Haven, CT 06520-8120. Yale University is an Equal Opportunity/Affirmative Action Employer.

Yale University: The Department of Chemistry invites applications for an anticipated position at the level of PROFESSOR of physical chemistry with an emphasis on the liquid phase. An outstanding, teacher-scholar is sought whose research interests will complement the current faculty. The position is expected to be filled in the 1993-1994 academic year. Applications should be sent to: Professor Lynn C. Yeoman, Search Committee Chair, Department of Chemistry, Yale University, P.O. Box 208120, New Haven, CT 06520-8120 by September 30, 1992. Yale University is an Equal Opportunity/Affirmative Action Employer.

CHAIRPERSON
DEPARTMENT OF ANATOMY

The University of Maryland School of Medicine seeks an outstanding scholar to provide leadership and new direction for the Department of Anatomy. The candidate must be a distinguished scientist with active research in a biomedical discipline relevant to anatomy in its broadest sense, preferably in the area of molecular and cell biology. The department has active research in neuroscience, reproductive biology and developmental biology. The new leadership of the School of Medicine is committed to providing the resources necessary to develop an outstanding research program. Please send nominations or applications including curriculum vitae, research program description, bibliography and names of three references to:
Dr. Jan Cerny
Chairman
Department of Microbiology and Immunology
School of Medicine
655 West Baltimore Street
Baltimore, MD 21201

An Equal Opportunity/Affirmative Action Employer. Minority and women candidates are encouraged to apply.

THE ROBERT A. WELCH FOUNDATION
CONFERENCE ON CHEMICAL RESEARCH XXXVI
REGULATION OF PROTEINS BY LIGANDS

October 26-27, 1992
THE WESTIN OAKS HOTEL, HOUSTON, TEXAS

MONDAY, OCTOBER 26

RICHARD J.V. JOHNSON, President. Welcoming of Guests
WILLIAM N. LIPSCOMB, Introductory Remarks

SESSION I

WILLIAM N. LIPSCOMB, Presiding Chair

SPECIES ADAPTATION OF THE ALLOSTERIC REGULATION OF HAEMOGLOBIN
MAX F. PERUTZ

ACTIVITY AND ALLOSTERIC REGULATION IN GLYCOCEN PHOSPHORYLASE
LOUISE N. JOHNSON

SESSION II

MAX F. PERUTZ, Presiding Chair

ACTIVITY AND ALLOSTERIC REGULATION IN BACTERIAL PHOSPHOFRUCTOKINASE
PHILIP R. EVANS

ACTIVITY AND ALLOSTERIC REGULATION IN FRUCTOSE-1, 6-BISPHOSPHATASE
JIN-YUN LIANG

TUESDAY, OCTOBER 27

SESSION III

ROBERT HUBER, Presiding Chair

ACTIVITY AND ALLOSTERIC REGULATION IN ASPARTATE TRANSCARBAMYLASE
WILLIAM N. LIPSCOMB

ALLOSTERIC EFFECTS IN THE ASPARTATE RECEPTOR
DANIEL E. KOSHLAND, JR.

LUNCHEON, 1992 WELCH Awardee

CLUSTERS, CHEMISTRY AND NANO TECHNOLOGY

RICHARD E. SMALLLEY

SESSION IV

DANIEL E. KOSHLAND, JR., Presiding Chair

ALLOSTERIC EFFECTS IN RecA PROTEIN
THOMAS A. STEITZ

ALLOSTERIC EFFECTS IN PROTEIN SUBUNITS AND AT PROTEIN MEMBRANE INTERFACES
ROBERT HUBER

ADVANCE REGISTRATION FORM

(PLEASE PRINT OR TYPE)

Dr.  Mr.  Mrs. ___________________________  ___________________________  ___________________________
(Last)  (First)  (Middle)

Position ___________________________
Organization ___________________________
Address ___________________________

The conference is open to all and there is no registration fee regardless of what state or country the registrant is from. Advance registration will be acknowledged and accepted in order of receipt, to within the capacity of the available space.

Make your hotel reservations directly with The Westin Oaks Hotel, Telephone No. 1-800-228-3000 or 713-960-8100, prior to October 9, 1992.

Please return by October 9 to:
Kimberly Nelson
The Robert A. Welch Foundation
4605 Post Oak Place, Suite 200
Houston, Texas 77027

I will attend the conference.

I will attend the complimentary luncheon on Tuesday, October 27, 1992.
POLITIONS OPEN

BIOLOGY CHAIR—Colorado State University (CSU) invites nominations and applications for the Chair of the Department of Biology. A candidate must have demonstrated leadership ability and a record of excellence in teaching. The position may begin July 1, 1993 and require: (a) a Ph.D. in Biology or closely related field, (b) demonstrated record of excellence in teaching and in research, (c) experience in management of a department and the development of graduate and undergraduate programs, and (d) a commitment to the advancement of women and minority groups. A brief letter of application, a curriculum vitae, and the names of five references should be sent by December 1, 1992 to: Dr. Robert E. King, Chair, Search Committee for Department Chair, Department of Biology, Colorado State University, Fort Collins, Colorado 80523. CSU is an Equal Opportunity/Affirmative Action employer.

IMMUNOCHEMIST/IMMUNOTOXICOLOGIST/IMMUNOLOGIST

The National Institute of Occupational Safety and Health (NIOSH), Center for Disease Control, is seeking a CHIEF for the Immunotoxicology Research Section, Applied Biology Branch, Division of Biomedical and Behavioral Sciences, Ohio. The successful candidate will manage a broad-based applied laboratory research program in immunotoxicology, immunomonitoring, and immunology with special emphasis on developing immunotoxicological monitoring methods for assessing occupational exposures to workplace hazards. Candidates should have research expertise and publications in one or more of these areas as well as experience in research program development and management. The position may be filled as a Commissions Officer in the U.S. Public Health Service or in the Civil Service (GM-13 or GM-14, salary range $46,210 to $70,987 depending on qualifications). Interested candidates should send application (U.S. Standard Form 171) and curriculum vitae to: Dr. L. S. Sterkel, NIOSH, MS C-26, 4676 Columbia Parkway, Cincinnati, OH 45226. Telephone: (513) 553-8433. NIOSH IS AN EQUAL OPPORTUNITY EMPLOYER AND OFFERS A SMOKE-FREE ENVIRONMENT.

The University of California at Berkeley (UCB) seeks to fill the position of MANAGER for the R. B. Gump South Pacific Biological Research Station on Moorea, French Polynesia. Duties comprise 25% research in marine or terrestrial biology, biology of coastal and estuarine management of the Station and its Programs. The Manager will be resident at the Station and supervise a staff of three to five in research, education, and management of the Station's facilities. Research and management skills are important. Experience in managing field stations is preferable. The applicant should hold a Ph.D. in the Natural Sciences, and will be trained in a science diver by the UCB diving board. Basic knowledge in French is desirable. The salary range is $29,172 to $49,716 and commensurate to experience. The position is renewable each year and runs for a period of three to four years.

Applicants should send curriculum vitae and the names of three references to: Dr. Werner J. Loher, Department of Entomology, Weillman Hall, University of California, Berkeley, CA 94720, by November 1, 1993. Applications submitted after the deadline will not be considered.

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

The Division of Biology, California Institute of Technology, seeks TWO FACULTY MEMBERS in the areas of Cell Biology and Immunology. Appointment will be for tenure track position. Successful applicants are expected to generate creative and productive research programs. Candidates should forward their curriculum vitae and the names of at least five references. Experience in molecular biology and/or immunology is desirable. Experience in molecular biology and/or immunooassay techniques is preferred. Send curriculum vitae and names of five references to: Dr. J. B. Butler (project 1), Dr. D. St. John (project 2), or Dr. D. L. Mitchell (project 2). University of Texas M. D. Anderson Cancer Center, Science Park— Research Division, Smithville, TX 78957, M.D. Anderson is an Equal Opportunity/Affirmative Action Employer and a smoke-free workplace.

POLITIONS OPEN

MOLECULAR VIROLOGISTS/ONCOLOGISTS

Three tenure-track FACULTY POSITIONS. The Department of Microbiology and Immunology, Louisiana State University Medical Center (LSU), invites applications and nominations for three tenure-track faculty positions at the level of Professor, Associate Professor, or Assistant Professor. We seek outstanding candidates with postdoctoral experience and demonstrated ability to direct an independent research program in the areas of molecular biology, viral genetics, and/or molecular investigations of HIV, oncogenes, tumor suppressor genes, or cancer. Candidates for senior positions must have a record of successfully funded research and have obtained extramural research funding. Responsibilities include teaching dental and postdoctoral students and serving on committees for graduate and medical students. Faculty are provided generous financial support and participation in a research incentive plan. LSU and this Department are in a phase of expansion with the construction of a new ten story Biomedical Research Institute, development of Centers for Cancer and Arthritis Research, and growth of its doctoral program. Applicants should send curriculum vitae, a statement of research plans and funding, and three letters of reference to: Dr. Dennis J. O'Callaghan, Professor and Head, Department of Microbiology and Immunology, Louisiana State University Medical Center, 1801 Kings Highway, Shreveport, LA 71130—3032.
Public Announcement
Regarding a
New Research and Development Project on
Environmentally Friendly Technology for Advanced Catalysts
Announced by the New Energy and Industrial Technology
Development Organization on August 27, 1992

In order to promote the research of global environmental technology and industrial technologies, the New Energy and Industrial Technology Development Organization (NEDO) would like to inform all interested companies and research organizations regarding the research and development project described below. This new project is being undertaken as part of the Research and Developmental Program on Industrial Technology for Protection of the Global Environment and The National Research and Development Program of the Ministry of International Trade and Industry of Japan.

Theme of the Research Project:
"Research and Development of Environmentally Friendly Technology for Advanced Catalysts"

Outline of the Research Work to be Entrusted
In order to keep the environment safe, the research and development work to be entrusted will be directed towards developing new advanced catalysts which can create and utilize clean energy and decrease polluting substances, such as carbon dioxide and the like, which are harmful to the environment.

Procedures for Application
(1) Qualification Criteria
All companies or research organizations who meet the following qualification criteria may submit an application to participate in the above project:

1. The applicant must have previous research and development experience in the field covered by or related to the project and possess the organizational structure, human resources and research facilities required to carry out the project work.
2. The applicant must be in sound financial condition and have the ability to manage its finances and facilities as necessary to smoothly carry out the project work.
3. The applicant must be able to comply with NEDO's instructions, if such are necessary, to fully carry out the project work.
4. The applicant must have attended the explanatory meeting held by NEDO as set forth below or been represented at the meeting by a responsible agent or representative who is capable of accurately conveying the contents of the meeting in detail.

(2) Explanatory Meeting
An explanatory meeting will be held on the date shown below in order for NEDO to fully explain the details of the project's research and development work to be entrusted and the application documents to be submitted. All companies or research organizations who are interested in submitting an application to participate in the project are required to attend this meeting or to send an agent or representative to attend on their behalf. Japanese will be the only language used during the meeting.

Date: Friday, September 11, 1992
Time: 14:00 to 15:00
Place: NEDO's Head Office
Sunshine 60 Building, 30th Floor, Room 30-01
1-1, Higashi-Ikebukuro 3-Chome
Toshima-ku, Tokyo 170

(3) Further Information
For further information regarding the research and development work to be entrusted under the above project, please contact NEDO by telefax as follows:
New Energy and Industrial Technology
Development Organization
Contract Division, Accounting Department
Sunshine 60 Building, 28th Floor
1-1, Higashi-Ikebukuro 3-Chome
Toshima-ku, Tokyo 170 Japan
Telefax: 03-5992-1184
POSTDOCTORAL POSITION: Available immediately to study murine models of autoimmunity. The project will focus on the use of MHC-derived peptides and monoclonal antibodies to these peptides in the modulation of autoimmune responses. This position will combine biochemical and cellular immunological techniques. Send curriculum vitae and three letters of reference to: Dr. Penelope A. Morel, Department of Medicine, University of Pittsburgh, Pittsburgh, PA 15260. The University of Pittsburgh is an Equal Opportunity Employer.

POSTDOCTORAL POSITION IN VASCULAR BIOLOGY: Available immediately for study of signal transduction and gene regulation in human vascular cells, interacting with a large interdisciplinary program. Experience in gene regulation, cell biology, and cell culture methods desired. United States citizenship or permanent residence required. Send curriculum vitae and the names of three references to: Dr. Douglas V. Falcon, Director, Cancer Center, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS IN IMMUNOLOGY: Available immediately to study the molecular and cellular mechanisms of IL-2 receptor activation. Projects include the function of the IL-2 receptor and T cell receptor proteins in cytokine production and responsiveness. Candidates should possess an M.D. or Ph.D. with experience in molecular biology. Send curriculum vitae and names of references to: Dr. Gary K. Klimpel, Department of Microbiology 1-19, University of Texas Medical Branch (UTMB), Galveston, TX 77555. UTMB is an Equal Opportunity/Affirmative Action Employer. UTMB hires only individuals authorized to work in the United States.

POSTDOCTORAL POSITION: Available on a part-time basis to study the secondary structure and tertiary organization of native and recombinant human tumor necrosis factor. PhD and/or postdoctoral experience with knowledge of biophysical techniques such as circular dichroism, light scattering, and sedimentation analysis is required. Send curriculum vitae and a list of research experiences and three letters of reference to: Dr. Gary K. Klimpel, Department of Microbiology 1-19, University of Texas Medical Branch (UTMB), Galveston, TX 77555. UTMB is an Equal Opportunity/Affirmative Action Employer. UTMB hires only individuals authorized to work in the United States.

POSTDOCTORAL POSITIONS: Available immediately for fellowships to work in immunobiology of HIV or T-cell/NK cell recognition of bacterial antigens. Send curriculum vitae and references to: Dr. Gary K. Klimpel, Department of Microbiology 1-19, University of Texas Medical Branch (UTMB), Galveston, TX 77555-1019. UTMB is an Equal Opportunity/Affirmative Action Employer. UTMB hires only individuals authorized to work in the United States.

POSTDOCTORAL POSITION: Available immediately to study murine models of autoimmunity. The project will focus on the use of MHC-derived peptides and monoclonal antibodies to these peptides in the modulation of autoimmune responses. This position will combine biochemical and cellular immunological techniques. Send curriculum vitae and three letters of reference to: Dr. Penelope A. Morel, Department of Medicine, University of Pittsburgh, Pittsburgh, PA 15260. The University of Pittsburgh is an Equal Opportunity Employer.

POSTDOCTORAL POSITION: Available immediately to study murine models of autoimmunity. The project will focus on the use of MHC-derived peptides and monoclonal antibodies to these peptides in the modulation of autoimmune responses. This position will combine biochemical and cellular immunological techniques. Send curriculum vitae and three letters of reference to: Dr. Penelope A. Morel, Department of Medicine, University of Pittsburgh, Pittsburgh, PA 15260. The University of Pittsburgh is an Equal Opportunity Employer.

POSTDOCTORAL POSITION: Available immediately to study murine models of autoimmunity. The project will focus on the use of MHC-derived peptides and monoclonal antibodies to these peptides in the modulation of autoimmune responses. This position will combine biochemical and cellular immunological techniques. Send curriculum vitae and three letters of reference to: Dr. Penelope A. Morel, Department of Medicine, University of Pittsburgh, Pittsburgh, PA 15260. The University of Pittsburgh is an Equal Opportunity Employer.

POSTDOCTORAL POSITION: Available immediately to study murine models of autoimmunity. The project will focus on the use of MHC-derived peptides and monoclonal antibodies to these peptides in the modulation of autoimmune responses. This position will combine biochemical and cellular immunological techniques. Send curriculum vitae and three letters of reference to: Dr. Penelope A. Morel, Department of Medicine, University of Pittsburgh, Pittsburgh, PA 15260. The University of Pittsburgh is an Equal Opportunity Employer.
POSTDOCTORAL FELLOWS
Seattle, Washington

The Bristol-Myers Squibb Pharmaceutical Research Institute in Seattle (formerly ONCOGEN) performs research dedicated to pursuing novel approaches to the development of therapeutic products in the areas of immunology, infectious diseases and cancer.

We are currently seeking postdoctoral fellows in the following areas:

Cellular Immunology Department
To study the role of CD28/B7 pathway in vitro and in vivo models of T cell activation. Requires Ph.D. in immunology and/or molecular biology. Reference AD #92-0632.

To study regulatory mechanisms that control activation and differentiation of antigen presenting cells and macrophages/monocytes. The research will involve using biological, molecular and immunological approaches toward the characterization of cell surface molecules, their association with other proteins and the mechanisms of signal transduction. Requires Ph.D. in biochemistry, immunology, or molecular biology. Experience in the following areas is desirable: Characterization of membrane receptors; signal transduction pathways; cloning and expression of proteins/receptors; site-directed mutagenesis. Reference Ad #92-PK.

To study the regulation of calcium mobilization in human T cells by receptor linked protein kinases and phosphatases. The candidate should have a strong background in basic cellular immunology and biochemistry. Experience in protein biochemistry and signal transduction pathways is essential. Reference Ad #92-BM1.

To study molecular immunology of human T cell activation pathways. The candidate should possess a strong background in mammalian gene expression systems, analysis of cell surface molecules expressed in transfected cells, purification of expressed proteins and/or fusion proteins of immunological interest, and a fundamental understanding of cellular immunology. Reference Ad #92-BM2.

Growth Regulators Department
Postdoctoral fellow to focus on the new and ongoing programs leading to the discovery of novel growth and/or differentiation modulating factors, their receptors and their mechanism of action, and on the assessment of the biological roles and therapeutic potential of such factors. Ph.D. in biochemistry, molecular biology, cell biology or a related field. Reference Ad #92-MS.

We offer a creative work environment, competitive salaries, an excellent benefit package and relocation assistance. Our facility offers open and well-equipped laboratories and views of the Puget Sound and Olympic Mountains. Please forward your resume to: BRISTOL-MYERS SQUIBB PHARMACEUTICAL RESEARCH INSTITUTE, Human Resources Department, 3005 1st Avenue, Seattle, WA 98121. An Equal Opportunity Employer, M/F/D/V.

Bristol-Myers Squibb Company

NATIONAL UNIVERSITY OF SINGAPORE
FACULTY OF SCIENCE

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

CHEMISTRY
Analytical Chemistry
Inorganic Chemistry (main group elements)
Organic Chemistry
Materials Science

INFORMATION SYSTEMS AND COMPUTER SCIENCE
Software Engineering
Man Machine Interfaces
MIS
EDP Auditing
Financial Modeling
Operations Research

PHYSICS
Materials Science—metals and alloys, electrical and magnetic materials, electronic materials
Surface Science—conducting polymers, applied catalysis, ion-conducting glasses, ESCA, AES, XPS

Applied Nuclear Physics—PIXE, XRF, RBS, ion channeling, radiation physics

Experimental Solid State Physics
Computational Physics

COMPUTATIONAL SCIENCE PROGRAMME
Geometric Modelling and Scientific Visualization
Computer Architecture
Parallel Processing
Statistical Computing

Besides appointments on normal 3-year contracts, visiting appointments for one or two years will also be considered.

Gross annual emoluments range as follows:

Lecturer S$50,390–64,200
Senior Lecturer S$58,680–100,310
Associate Professor S$88,650–122,870

(approximately)

The commencing salary will depend on the candidate's qualifications, experience and the level of appointment offered.

Leave and medical benefits will be provided. Depending on the type of contract offered, other benefits may include: provident fund benefits or an end-of-contract gratuity, a settling-in allowance of S$1,000 or S$2,000, subsidized housing at nominal rentals ranging from S$100 to S$216 p.m., education allowance for up to three children subject to a maximum of S$16,425 per annum per child, passage assistance and baggage allowance for the transportation of personal effects to Singapore. Staff members may undertake consultation work, subject to the approval of the University, and retain consultation fees up to a maximum of 60% of their gross annual emoluments in a calendar year.

There are eight faculties in the National University of Singapore with a current student enrollment of some 18,000. All departments are well-equipped with a wide range of facilities for teaching and research.

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

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

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

Enquiries may also be sent through BITNET to: PERPL@NUS3090, or through Telefax: (65) 7783948
The faculty is directing a new research program in molecular genetics and cell culture in a laboratory environment. We offer excellent salaries and strong comprehensive benefits. Please submit your resume with salary history/requirements to:

NEW YORK MEDICAL COLLEGE
Michael Peliz, Manager of Employment
Human Resources Dept.
Sunshine Cottage
Valhalla, NY 10595

Equal opportunity employer M/F/H/V

DIRECTOR OF THE DIVISION OF RADIATION BIOLOGY
DEPARTMENT OF RADIATION ONCOLOGY
MEDICAL COLLEGE OF VIRGINIA
VIRGINIA COMMONWEALTH UNIVERSITY

The Department of Radiation Oncology at the Medical College of Virginia/Virginia Commonwealth University has initiated a search for director of its Radiation Biology Division. This is a tenured track position at the Associate Professor/Professor level with dedicated research space, resources and personnel, and the opportunity for a joint appointment in a basic science department. The Radiation Biology Division is a component of the Massey Cancer Center and is supported by Center core laboratory facilities and participates in interdisciplinary Center programs. The faculty currently consists of five radiation/molecular biologists with interests in cancer biology, in general and molecular radiobiology and radiation effects on cellular growth regulation, in particular. Candidates should have a Ph.D. and/or M.D. and a track record of peer-reviewed funding in the fields of radiation biology/tumor biology with emphasis on research at the molecular level. Candidates should have demonstrated administrative abilities with the potential for directing a sizable research program including the integration of radiobiological research into a complex cancer research program with the capacity to translate basic research findings into pre-clinical and clinical applications.

Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.

Please send cover letter and curriculum vitae to:
Rupert Schmidt-Ullrich, M.D.
Professor and Chairman
MCV/VCU Department of Radiation Oncology
Box 58
Richmond VA 23298-0058

MAMMALIAN MOLECULAR GENETICS

The Department of Molecular and Cellular Biology of Roswell Park Cancer Institute seeks to recruit a staff scientist who is interested in using targeted recombination into embryonic stem cells to address issues of mammalian gene regulation of cell differentiation and development. Our prime goal is to identify a new faculty member who will complement the existing programs of gene regulation and genetics within the department. There is a strong theme of classical and molecular genetics within the department that is shared with several staff members of the Department of Human Genetics located in the same building. Roswell Park Cancer Institute is a comprehensive cancer institute with a large clinical research and care program. It has extensive basic science programs that encompass immunology, experimental therapeutics and biophysics and it has a wide array of core services that are available to the staff. Send resumes to:

Roswell Park Cancer Institute
Mr. Joseph Garland
Roswell Park Cancer Institute
Employment Office
Elm and Carlton Strees
Buffalo, New York 14263

Roswell Park is an M/F/H/V Affirmative Action Employer

Staff Scientist/Group Leader

Innovative Microscopes

The Lawrence Berkeley Laboratory is expanding its program in structural biology at the level of staff scientist or group leader in conjunction with new facilities and new research opportunities. Applying at the Advanced Light Source (ALS), which is scheduled to begin operations in 1993. Positions will be available on an ongoing basis with the possibility of up to two years of initial support, after which the incumbents will be expected to obtain independent support from the U.S. Department of Energy or other funding agencies. The expanded program will encompass a broad range of modern technologies in cell biology and microscopy, with the use of x-ray microscopy at the ALS as a major component. Applications can range from entry-level Staff Scientists to more senior positions such as Group Leaders. Applicants need to include the following in their application materials: a letter that describes how opportunities in soft x-ray microscopy will be incorporated into their research interests, C.V., publication list, and the names of three references. Application materials should be sent to: Lawrence Berkeley Laboratory, Staffing Office, Job # 77110, One Cyclotron Rd., Bldg. 90/1042, Berkeley, CA 94720. An Equal Opportunity Employer.
HELPING THE BODY TO HEAL ITSELF:
BRINGING THE FUTURE OF IMMUNOLOGY CLOSER TO TODAY

We cannot invent a better—or safer—system to fight disease than our own immune response system. At Immunobiology Research Institute, we are moving beyond the indiscriminate chemical weaponry that attacks diseased and healthy tissues alike. Instead, we are learning to harness the body’s own natural ability to heal itself through powerful, non-toxic peptide drugs.

Led by world-renowned immunologist Dr. Gideon Goldstein and fully supported by the resources of Johnson & Johnson, IRI’s scientists are conducting some of today’s most far-reaching and exciting work in immunobiology.

At the forefront of our work is our newly established Molecular Immunology Department which will investigate peptide drugs derived from a hormone of the thymus and other peptide hormones that regulate the body’s immune system. As we staff up in this highly critical and rewarding area, we are seeking creative, highly-motivated molecular and biochemical scientists at both Senior and Junior levels. Senior level positions require a Ph.D. or M.D. with related postdoctoral experience; Junior level candidates require B.S. or M.S. degrees. On all levels, you must have experience in hormone receptor characterization and/or receptor-mediated cellular signal transduction.

Our first-class laboratory, on our quiet university-like New Jersey campus, provides a superb research atmosphere which fosters the exploration of new ideas and the exciting interchange of knowledge. We offer, as well, an excellent salary, comprehensive Johnson & Johnson benefits, and the opportunity to work side-by-side with some of the brightest figures in the pharmaceutical industry.

If you would like to join IRI’s advanced immunobiology team, please send your resume to:
Director, Human Resources Dept. S,
Immunobiology Research Institute,
Route 22 East, P.O. Box 999, Annandale,
NJ 08801-0999. We are an equal opportunity employer.

program officer

the national research council is seeking an individual to work 50% time on each of two projects: the program in biology education and the national science education standards project. will organize/establish an information network of life science educators; assist in planning a program in biology education; organize/coordinate expanded activities in education at the nrc commission on life sciences; maintain liaison with professional organizations and individuals in the science education professional community; write background reports; and edit, and synthesize materials and drafts by committee members. requires an ma/ms or equivalent in the biological sciences; at least 4-6 years experience related to science policy for the federal government; superior understanding of science education reform movements; proven research abilities; demonstrated proficiency in project management; established relations to disciplinary professional societies; effective written and oral communication skills; and ability to simultaneously handle numerous complex matters. practical high school science teaching experience and direct experience in dealing with science policy for the federal government preferred. please send resume in confidence to: nrcceo/cce, ha 450, position #185-018, 2101 constitution avenue, n.w., washington, dc 20418. eoe.

national research council

program officer

the national research council is seeking an individual to work 50% time on each of two projects: the program in biology education and the national science education standards project. will organize/establish an information network of life science educators; assist in planning a program in biology education; organize/coordinate expanded activities in education at the nrc commission on life sciences; maintain liaison with professional organizations and individuals in the science education professional community; write background reports; and edit, and synthesize materials and drafts by committee members. requires an ma/ms or equivalent in the biological sciences; at least 4-6 years experience related to science policy for the federal government; superior understanding of science education reform movements; proven research abilities; demonstrated proficiency in project management; established relations to disciplinary professional societies; effective written and oral communication skills; and ability to simultaneously handle numerous complex matters. practical high school science teaching experience and direct experience in dealing with science policy for the federal government preferred. please send resume in confidence to: nrcceo/cce, ha 450, position #185-018, 2101 constitution avenue, n.w., washington, dc 20418. eoe.

national research council
POSTDOCTORAL POSITIONS currently available to study the molecular biology of mutagenesis in baker's yeast and E. coli. Opportunities are available for work with cloned yeast genes and gene products that are involved in mutagenesis, with a focus on location systems, and with vectors or templates that carry a single, specifically located UV photoproduct. Send curriculum vitae and three letters of reference to: Dr. Christopher W. Lawrence, Department of Biophysics, University of Rochester Medical Center, Rochester, NY 14642. Write to this address, call (716) 275-2848 or FAX (716) 275-6007 for further information. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.

IMMUNOTOXIN RESEARCH

Positions available for postdoctoral scientists interested in developing novel modes of cell-targeted therapy. Strong background in biochemistry and cell or molecular biology required, as work encompasses diverse areas, including development of monoclonal antibodies, mechanisms of toxin action, therapeutic studies in athymic mice and production of mutant toxins. Academic appointment available. Boston offers unique learning, cultural, sports and recreational opportunities. We are an Equal Opportunity/Affirmative Action Employer. Send curriculum vitae and references to: Dr. Vic Raso

Boston Biomedical Research Institute 20 Stanford Street, Boston, MA 02114

POSTDOCTORAL POSITIONS

A postdoctoral position is available immediately to join a virus discovery program to study hepatitis-associated and related acute viruses. Projects include both viral and molecular genetic analysis and the role of virus, host, and molecular factors in the pathogenesis of liver diseases. The research involves the utilization of bioinformatics for analysis of viral genome sequences. Send curriculum vitae and three letters of recommendation to: Dr. Robert J. Fields, Department of Pathology, The Rockefeller University, 1230 York Avenue, New York, NY 10021. This is a non-tenure-track position at the Rockefeller University. The Rockefeller University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Available immediately to study the structure and function of the complement system of rabbits. This is a full-time position. The candidate will be responsible for performing and analyzing the data generated from experiments. The candidate will have the opportunity to develop novel techniques and to contribute to the understanding of the complement system. The position is available immediately and the successful candidate will be hired as a full-time postdoctoral fellow. Interested candidates should submit a letter of application, curriculum vitae, and three letters of reference to: Dr. Michael J. Frosst, Department of Biophysics, University of Rochester Medical Center, Rochester, NY 14642. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Available immediately to study the role of proteases in the repair of DNA damage. The position is available immediately and the successful candidate will be hired as a postdoctoral fellow. Interested candidates should submit a letter of application, curriculum vitae, and three letters of reference to: Dr. J. Michael Bishop, Department of Biophysics, University of Rochester Medical Center, Rochester, NY 14642. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Available immediately to study mammalian gene expression/DNA repair induced by DNA damage. Applicants should have a Ph.D. in molecular biology, biochemistry, or related fields. The successful candidate will be hired as a postdoctoral fellow. Interested candidates should submit a letter of application, curriculum vitae, and three letters of reference to: Dr. J. Michael Bishop, Department of Biophysics, University of Rochester Medical Center, Rochester, NY 14642. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

The position is available immediately to study mammalian gene expression/DNA repair induced by DNA damage. Applicants should have a Ph.D. in molecular biology, biochemistry, or related fields. The successful candidate will be hired as a postdoctoral fellow. Interested candidates should submit a letter of application, curriculum vitae, and three letters of reference to: Dr. J. Michael Bishop, Department of Biophysics, University of Rochester Medical Center, Rochester, NY 14642. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

Currently available to study mammalian gene expression/DNA repair induced by DNA damage. Applicants should have a Ph.D. in molecular biology, biochemistry, or related fields. The successful candidate will be hired as a postdoctoral fellow. Interested candidates should submit a letter of application, curriculum vitae, and three letters of reference to: Dr. J. Michael Bishop, Department of Biophysics, University of Rochester Medical Center, Rochester, NY 14642. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

Currently available to study mammalian gene expression/DNA repair induced by DNA damage. Applicants should have a Ph.D. in molecular biology, biochemistry, or related fields. The successful candidate will be hired as a postdoctoral fellow. Interested candidates should submit a letter of application, curriculum vitae, and three letters of reference to: Dr. J. Michael Bishop, Department of Biophysics, University of Rochester Medical Center, Rochester, NY 14642. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

Currently available to study mammalian gene expression/DNA repair induced by DNA damage. Applicants should have a Ph.D. in molecular biology, biochemistry, or related fields. The successful candidate will be hired as a postdoctoral fellow. Interested candidates should submit a letter of application, curriculum vitae, and three letters of reference to: Dr. J. Michael Bishop, Department of Biophysics, University of Rochester Medical Center, Rochester, NY 14642. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.
MOLECULAR BIOLOGIST
(Chemical Carcinogenesis)

The Chemical Industry Institute of Toxicology (CIIT) is seeking a scientist to join the research staff in the Carcinogenesis Program. Qualified individuals need to have a Ph.D. in a research area that had a concentration on molecular biology, and should have at least three years postdoctoral experience. It is also advantageous to have research interests in the general area of mechanisms of chemical carcinogenesis.

MOLECULAR/CELLULAR PATHOBIOLOGIST
(Respiratory Tract Carcinogenesis)

CIIT is seeking a scientist to join its research staff in the Respiratory Toxicology Program. Qualified individuals need to have a Ph.D. in a research area that had a concentration on molecular or cell biology, and should have at least three years postdoctoral experience. It is also advantageous to have research interests and experiences in the general area of pulmonary toxicology, biology and the pathobiology of fiber and particle-induced respiratory tract tumors.

The research areas of CIIT include carcinogenesis, respiratory toxicology, neuro- and developmental toxicology, with an emphasis on mechanistic studies and interdisciplinary collaborative research directed toward a better understanding of human health risks of exposure to chemicals. CIIT has a strong postdoctoral program and there are excellent opportunities for interaction with nearby outstanding Universities.

CIIT is an independent, not-for-profit research institute. The Institute is located in Research Triangle Park, NC, which offers many cultural and recreational activities. We offer competitive salary and benefits and a stimulating work environment. Interested applicants should submit a curriculum vitae with the names of three professional references, representative reprints and summary of research interests to: Human Resources Manager, CIIT, P.O. Box 12137, Research Triangle Park, NC 27709.
ASSISTANT/ASSOCIATE PROFESSORS IN MARINE MOLECULAR BIOLOGY

The University of Maine announces two tenure-track positions contributing to a cooperative effort between the University, the Mount Desert Island Biological Laboratory, and the Bigelow Laboratory for Ocean Sciences, to establish a research cluster in marine molecular biology. Salary and startup packages are being supported initially by an EPSCoR grant from the National Science Foundation. During the first 3 years, the successful applicant will establish a vigorous research program, instruct students and investigators within the cluster in the use and development of molecular techniques, and teach intensive, hands-on short courses in these techniques. Subsequently, he/she will actively continue research and assume an increased role in teaching, including an advanced course in his/her specialty. A doctorate is required and postdoctoral experience is preferred. Applications will be screened from 1 October 1992 until the positions are filled.

Molecular Biology of Marine Animals

The Department of Zoology seeks a biologist applying recombinant DNA methods to address organismal or evolutionary problems in marine metazoans; the research area is open. Preference may be given to applicants who can interact productively with cluster biologists working in genetics, development, or physiology. The applicant should submit curriculum vitae, statement of research interests, and names and addresses of three references to: Dr. John Ringo, Chair, EPSCoR Search Committee, Department of Zoology, Murray Hall, University of Maine, Orono, ME 04469.

Molecular Biology of Marine Prokaryotes

The Department of Biochemistry, Microbiology, and Molecular Biology seeks a molecular biologist working with marine prokaryotes. Research areas of particular interest are novel marine bacteria or viruses, marine microbial physiology, ecology, nutrient cycling, pathogenesis, and biochemistry. The applicant should submit curriculum vitae, statement of research interests, and names and addresses of three references to: Dr. Bruce Nicholson, Chair, EPSCoR Search Committee, Department of BMBB, Hitchcock Hall, University of Maine, Orono, ME 04469.

Women and minorities are strongly encouraged to apply. The University of Maine is an Equal Opportunity/Affirmative Action Employer.

Department of Human Genetics
Memorial Sloan-Kettering Cancer Center

The newly established Department of Human Genetics at Memorial Sloan-Kettering Cancer Center is inviting applications for faculty positions. Both senior and junior level appointments will be made in the areas of molecular genetics, genetic epidemiology and genome analysis. A focus of the recruitment will be in the area of the genetics of cancer, although qualified applicants with research interests in other human genetic diseases and relevant animal models are encouraged to apply. The Department will occupy new research laboratories on a campus which includes outstanding established basic research and clinical departments.

Interested applicants should forward their curriculum vitae, bibliography and the names of three references to:

Jeffrey V. Ravetch, M.D., Ph.D.
Chairman,
Human Genetics Search Committee
Memorial Sloan-Kettering Cancer Center
1275 York Avenue
New York, New York 10021

An Equal Opportunity/Affirmative Action Employer
The Society of Toxicology is pleased to announce the availability of

COLGATE-PALMOLIVE POST-DOCTORAL FELLOWSHIP IN
IN VITRO TOXICOLOGY

Consistent with its long-standing commitment to advance the development of non-animal methods for product safety assurance, the Colgate-Palmolive Company is sponsoring a post-doctoral fellowship in in vitro toxicology that will be administered by the Society of Toxicology. Applications are invited from individuals conducting research in any aspect of in vitro toxicology. Although the award is not restricted to these areas, the Colgate-Palmolive Company has particular interest in alternatives to animal studies for assessment of dermal and ocular toxicity and in technology that could be applicable to this goal.

The award is made for two years, with funding for the second year contingent upon satisfactory research progress. The award amount is $33,500 annually. The awardee receives $22,000 for salary from this source of funding. The remaining monies may be used for fringe benefits, supplies, equipment or travel that is related to the proposed research. Total administrative costs to the awardee’s institution may not exceed 8 percent annually.

The award is available to post-doctoral trainees in their early years of study beyond the Ph.D., M.D., or D.V.M. degree who are employed by academic institutions or research institutes worldwide. Doctoral students who anticipate completion of their degree prior to September 1, 1993 may also apply, although the doctoral degree must have been conferred before this fellowship is awarded. The application consists of a three-page description of the proposed research, the applicant’s CV, graduate transcripts, reprints and letters of recommendation. A letter from the current or proposed post-doctoral advisor, who is a member of the SOT, must be submitted that describes the nature and extent of commitment of research or other institutional resources to the applicant.

Finalists will be interviewed at the 1993 Annual Meeting of the SOT, March 14-18, in New Orleans, Louisiana; travel expenses will be paid by Colgate-Palmolive.

Announcement and official presentation of the award will take place at the Awards Banquet on March 17. Funding may commence at that time, or no later than September 1, 1993.

Completed applications must be received at the SOT Headquarters no later than October 23, 1992. For further information and an application package, contact:

Colgate-Palmolive Post-Doctoral Award
C/o Education Committee
Society of Toxicology
1101 14th Street, N.W., Suite 1100
Washington, DC 20005-5601
Fax: (202)371-1090
RESEARCH ASSOCIATE. Large university is seeking a full-time research associate to conduct research and development with Missouri School Improvement Program (MSIP). Responsibilities: managing, interrelating, analyzing and reporting hundreds of MSIP data sets; using existing software for designing and assessing additive scales of school quality indicators; interrelating questionnaire data with other social scientific and educational indicators from large state databases; ensuring data analysis and statistical interpretation of impeccable quality. Candidates must have at least a master's degree in statistics, sociological education or a related field and at least 2 years of professional experience in educational research. Other requirements include: extensive experience using advanced statistical software programs (multiple regression, loglinear, LOGOVA, MANOVA, FACTOR, CLUSTER and LISREL) and extensive knowledge about IBM mainframe MVS (TSO), PC (LANS) environments and communication protocols; large-scale data management and statistical analysis systems, especially SAS, social science methodology (quantitative and qualitative); and current social and educational research development in design research, educational performance measures, effective school research and school organization and innovation which have influenced development of MSIP. In particular, knowledge of MSIP standards, indicators, and review process is essential. 8:30 a.m. to 5:30 p.m. Forte: Salary: $32400. Replies to: John F. Scott, ES Supervisor, Division of Employment Security, P.O. Box 59, Jefferson City, MO 65104. RE: Job Order #587851.

RESEARCH ASSISTANT I—Duties include assisting with basic biomedical research focused on regulation of the immunological system. The position will require the Research Assistant to process human blood, tissues, and manage stocks of birds and mice (these responsibilities entail frequent, long-distance nocturnal excursions, e.g., human blood, animal excrement, fur, dust and other research waste by-products). B.S. or greater in Science or Medicine to include knowledge of relevant experimental techniques and the performance of biological assays: 8:30 a.m. to 4:30 p.m., 40 hours per week. Salary $20,000 per calendar year. Contact: Sandra T. Starnes, Alabama Medical Services, 3441 Ladies Avenue, Third Avenue South, Birmingham, AL 35222. RE: Job Order #AL04049290.

RESEARCH ASSOCIATE. M.D./Ph.D. with at least three years of experience to study the effects of various treatments of endophthalmitis in a rabbit model. Excellent skills performing vitrectomy, iridocyclectomy, and phacoemulsification on rabbit models, and experience in managing and monitoring laboratory activities encompassing internal affairs and inter-organization relationships, coordinating existing and new research projects, new research efforts and developing strong funding programs. The ideal background includes a Ph.D. in Earth Science, Environmental Science or Systems Biology; strong computer and mathematical background; experience in academic, governmental and commercial environments; and a successful record supervising a group of at least 20 scientists/technicians pursuing state-of-the-art research in both laboratory and field. This individual's peer reviewed scientific papers will have been widely cited in the international scientific literature. He/she will also be experienced in handling high level glassware for geochemical, oceanographic or tropical biome research.

Further information may be obtained in confidence from: J. Stuart Fishler, Jr., Executive Director, Russell Reynolds Associates, Inc., 333 South Grand Avenue, Suite 4200, Los Angeles, California 90071.

CRYSTALLOGRAPHER, Associate. Research in crystallographic and structural solution of proteins related to gene expression and development of cancers. Minimum B.S. or equivalent in physical chemistry plus five years of experience including protein crystalization and heavy atom substitution. X-ray data collection from protein crystals, MIR and molecular replacement methods of structure solution and molecular modeling. Job site for the Chemistry Department. Send this ad and your resume to Job #RT-28192, P.O. Box 9560, Sacramento, CA 95823-0560, not later than September 7, 1992.

DATA ACQUISITION PHYSICIST to work in Newport News, Virginia; forty hours per week (8:00 a.m. to 5:00 p.m. schedule); salary: $50,000 to $55,000 per year. Incoming is responsible for the design, development and implementation of data acquisition system to provide data acquisition support for experiments at CEBAF. (Data acquisition hardware is based on distributed data acquisition systems using the VxWorks operating system. Furthermore, hardware is supported on a wide range of platforms including FASTBUS, VME, and CAMAC.) Also, develops and implements a run control system on Ultra-DEC/VAXes. Data acquisition software is written in C and assembly languages with interfaces to FORTRAN and other programming languages. Requires Ph.D. in Physics plus four years of postdoctoral work experience applying data acquisition techniques to experiments in the physics laboratory. Experience should include commissioning a data acquisition system for physics experiments having approximately 10,000 events per second and transferring data to a 300 MIPS parallel machine. Ten years of experience independently developing and applying large-scale, multi- crate FASTBUS, virtual machine environmental (VME), and CAMAC systems. Two years of software development experience in C, FORTRAN, and 68000 assembly language, and practical experience utilizing real time operating systems. Must be familiar with code development in an ULTRIX environment using native and cross-development software tools. To apply, mail resume with copy of this ad attached to September 30, 1992: Virginia Employment Commission, 5145 East Virginia Beach Boulevard, Norfolk, VA 23502. Indicate on envelope: JO# VAC-0430. An Equal Opportunity/Affirmative Action Employer.

ELECTRON MICROSCOPY TECHNICIAN—Full-time to supervise the operation of the Electron Microscopy Lab. Qualifications: On-the-job experience on the Ultramicroscope排斥, experience in the operation of equipment and EM procedures; EM Certificate, or equivalent, in either biological or material sciences. AA Degree, or higher. Job site: The John Hopkins University Biomedical Laboratory and Imaging Center. Starting salary: $24,000 per year. Application deadline: November 15, 1992. Submit resume to: Mrs. J. Davis, P.O. Box 1209095, Ohio Bureau of Employment Services, Columbus, OH 43216.

3108325

POSITIONS OPEN

RESEARCH OPPORTUNITIES—Medical Genetics.

The Molecular Genetics Laboratory at Cedars-Sinai Medical Center is seeking:

CYTOGENETICS GENE MAPPING SUPERVISOR. Responsible for expertise using fluorescence in situ hybridization and gene mapping. Requires 3 years experience in a Cytogenetics lab.

RESEARCH ASSOCIATE POSTDOCTORAL. Involves interpreting novel technologies including image analysis, investigating genome organization and gene mapping using fluorescence in situ hybridization.

MOLAR BIOTECHNOLOGY. Requires a Ph.D., M.D. for identifying genes responsible for Drosophila.

Please send curriculum vitae with name/address of three references to: Job # 1000, P.O. Box 9560, Sacramento, CA 95823-0560, not later than September 7, 1992.
Vice President/R&D Scientist

RiboGene is a growing biotechnology company developing instruments and reagents to automate its proprietary technology for cell-free protein synthesis. We wish to fill the following positions:

VP, R&D: Requires a PhD and post-doctoral experience in molecular biology – preferably in the field of translation – and a successful track-record managing sizeable groups of scientists, ideally in an industrial setting. Experience in developing instruments and reagents is highly desirable.

R&D Scientist: Requires a PhD and post-doctoral experience in the field of translation. Experience working in industry would be an advantage.

RiboGene is pleasantly located in the East Bay area close to San Francisco. We offer competitive salaries and excellent benefits, including an attractive stock option plan.

For consideration please send your resume to: Becky Levin, Levin, Storm & Co., 3000 Sand Hill Road, Building 1, Suite 140, Menlo Park, California 94025. Equal opportunity employer.

LIFE TECHNOLOGIES, INC.

At Johnson & Johnson Medical Inc., we've made it our business to provide the highest quality products to the health care industry. Our continued growth presents a challenging opportunity for a creative individual to play a leading role in the identification of new product opportunities in hemostasis.

SR. RESEARCH ASSOCIATE

Hemostasis Product Development

As a Product Development Scientist, the selected candidate will participate in technology assessment, design and conduct appropriate in vitro and in vivo studies, and develop formulations geared towards novel hemostasis products for use in medical and surgical procedures.

Qualified applicants should possess a Ph. D. in Biochemistry or related discipline and have a minimum of three years experience. Extensive knowledge of the molecular basis of blood coagulation is essential, as are excellent communication skills and the desire to work and succeed in a multi-disciplinary team environment. Experience in product development or drug discovery with supervisory responsibility is highly desirable.

We offer an excellent benefits package, competitive salary, as well as a professionally challenging environment. Candidates interested in this opening in the Dallas/Fort Worth area should forward resume with salary history in complete confidence to: Johnson & Johnson Medical Inc., Attn: Human Resources, 2500 Arbrook Blvd., Arlington, TX 76014.

An Affirmative Action Employer: M/F/D/V

Johnson & Johnson
MEDICAL INC.
Please submit a C.V., a photo and a written lettre to PUBLIVAL/9005 - 27, Route des Gardes 92190 MEUDON (France)

M.D./Ph.D. Research Pharmacologist

The ICI Pharmaceuticals Group is dedicated to the challenge of discovering and developing important new therapeutic agents for the treatment of asthma and other pulmonary diseases. Expansion of our research programs has resulted in the creation of a new opportunity in our Pulmonary Pharmacology Group at our Wilmington, DE research center.

Here, you will explore the role of the eosinophil and eosinophil proteins in the pathophysiology of asthma. The successful candidate will have an M.D., Ph.D. or M.D./Ph.D. with 2-3 years postdoctoral experience with adhesion molecules, cytokines and inflammatory cells. Good communication and interpersonal skills necessary for effective work in an interdisciplinary environment are essential. A strong biochemical pharmacologic background is a plus.

We offer an excellent salary and benefits program, including relocation assistance, and the opportunity to build a career with one of the world’s leading pharmaceutical research organizations.

Please send C.V., in confidence to: Ron Martin, ICI PHARMACEUTICAL GROUP, Wilmington, DE 19897. Equal Opportunity Employer, M/F.

SCIENE's 2nd Annual CAREERS IN SCIENCE 18 September 1992

The second annual Careers issue is custom-designed for recruitment. This special cover story is the ideal environment for your message and will include:

Career trends in:

- Multidisciplinary Fields
- Corporate Research
- Money, funding and jobs
- U.S. vs European salaries

Special recruitment advertising section-
Full-page ads will be accepted for placement within this editorial section located in the main body of the magazine (ROP), and will be included in the Harvey Research Study on reader reaction. All other size ads will be placed in the traditional back-of-the-book section.

Bonus Distribution:
The reprint will be distributed at:
NIH Research Festival Exhibit
24 and 25 September 1992, Bethesda, MD
Neuroscience,
25 to 30 October 1992, Anaheim, CA
American Society for Cell Biology,
15 to 19 November 1992, Denver, CO

With a recruitment ad in SCIENCE, you are guaranteed a worldwide circulation of 155,000 qualified, paid subscribers, and a pass-along readership of over 465,000 total readers*. SCIENCE, in its 112th year of publication, is the most respected journal in the industry, ensuring that your ad will be well-read.

Call Janis Crowley,
Recruitment Advertising Manager,
212-496-7704.
Reservation Deadline:
Tuesday, 1 September 1992

*Harvey Research
**Post Doc Position**

**Advanced Analysis Genetic Marker/Performance Pedigree Data**

Pioneer Hi-Bred International, Inc. is actively developing and adapting computational methodologies that will allow for the identification of genetic linkage groups among lines of maize that identify chromosomal regions associated with agronomic performance. The successful candidate will be involved in evaluating and adapting recently developed and emerging computational methodologies utilizing an extensive database of genetic and field performance data as a means to search for these associations. AFLP profiles for numerous inbred lines together with pedigrees and performance data are available for analysis. Ongoing support from AFLP data generation, breeders, geneticists, and advice on programming and software are available. A Ph.D. in plant or animal breeding, genetics, or biology with a good knowledge of molecular biology and demonstrated skills in statistics and application of computer based support to answer complex biological questions are required. Salary commensurate with experience. Submit a letter of application, resume, copies of academic transcripts, and names of references to:

Pioneer Hi-Bred International, Inc.
Plant Breeding Division
Dr. Stephen Smith
7250 N.W. 62nd Avenue
Johnston, Iowa 50131
Telephone: 515-270-3353
Fax: 515-253-2149

---

**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

---

**Postdoctoral Research Fellowships**

The PARKE-DAVIS Pharmaceutical Research Division, Warner-Lambert Company, offers four postdoctoral opportunities within its Pharmacokinetics and Drug Metabolism Department at the growing Ann Arbor facility.

**Excitatory Amino Acid Antagonists (PD 64)**

The Fellow will work as a part of an interdisciplinary team to assess the pharmacokinetic and pharmacodynamic characteristics of exploratory, neuroprotective, and excitatory amino acid antagonists. Emphasis for this research will be on the measurement of compounds in rat brain interstitial fluid by microdialysis and HPLC. Applicants should have a Ph.D. in Biological Chemistry, Physiology, Pharmacology or a related discipline. Experience with microdialysis, small animal surgery and a strong analytical background are desirable. Publication of results is expected.

**Biological Transport (PD 65)**

The Postdoctoral Fellow will evaluate biological barriers to the successful delivery of therapeutic entities which are peptide analogs. The Fellow will concentrate on the Caco-2 human colon adenocarcinoma cell line to study drug biotransformation and transport in vitro as a model for the mammalian small intestine. Results with reference compounds and drug candidates will be compared to in situ (rat intestinal perfusion) and in vivo (bile duct-cannulated rat) models. The stability of drug candidates to degradation by proteolytic enzymes will be determined using specific chromatography methods. Characterization of transport by passive or carrier-mediated mechanisms will be conducted. The goal of this project is to develop and apply a reliable in vitro model for intestinal absorption that will be both predictive of relative absorption in vivo and capable of yielding mechanistic information with regard to transport processes. Knowledge of enzyme kinetics and membrane transport processes, experience with animal and cell culture techniques and an analytical background are desirable. Applicants should have a Ph.D. in Biological Chemistry, Physiology, Pharmacology or a related discipline.

**Cytochrome P450 Regulation (PD 66)**

This position requires a scientist with a Ph.D. in Molecular Biology or related area to study Cytochrome P450 regulation in animal and human liver tissue. The qualified individual should have practical experience in the areas of RNA isolation and quantitation. Experience with protein electrophoresis would be advantageous.

**Mass Spectrometry (PD 67)**

A postdoctoral opportunity is available for a scientist with formal training and research experience in organic mass spectrometry. The successful candidate will conduct research on applications of continuous flow FAB, electrospray, and APCI sample introduction technologies to a variety of drug metabolism projects. Experience with HPLC and micro-bore HPLC would be advantageous.

Postdoctoral fellowships are extended for one year, renewable for a second year, and include a competitive salary and benefits package as well as relocation assistance. Interested persons should forward their resume and list of references to PARKE-DAVIS Pharmaceutical Research, Box JDM, Human Resources, 2800 Plymouth Road, Ann Arbor, MI 48105. Please specify the fellowship being applied for. “Smoke-Free Work Environment”

---

**PARKE-DAVIS**

People Who Care

“Equal Opportunity in Action”
POSITIONS OPEN

MOLECULAR BIOLOGIST

Position available for a postdoctoral research scientist with Ph.D. in molecular biology or related field to join a group involved with the isolation and characterization of genes and the development of potential targets for drug chemotherapy. Projects involve cloning, sequencing and expression of genes and their mutant forms in E. coli and/or baculovirus. Experience in mammalian expression systems, and purification and characterization of recombinant proteins. Experience in library screening (genomic and cDNA), Southern/Northern blots, and DNA sequencing are required. Apply to: The Higgins, Ph.D., Human Resources, Department 648, Southern Research Institute, P.O. Box 58305, Birmingham, AL 35225–6308. Equal Opportunity Employer.

PRODUCT DEVELOPMENT CHEMIST

We're Pierce Chemical, a growing international supplier of products for Life Science Research. We have an immediate opening for a Senior Product Development Chemist. This position is responsible for the transition of laboratory projects into the manufacturing stage through the development of production methods, process scale up, purification and testing. The successful candidate should possess an undergraduate degree in chemistry, biochemistry or related field with three to five years lab experience in protein chemistry. Industrial experience preferred. Familiarity with purification protocols (DNAC, HPLC, spectrophotometry, lyophilization, ELISA, blotting and other types of immunassays is required.

Pierce offers a competitive salary, company paid medical, dental and life insurance and an opportunity to grow with a successful and dynamic company. If this sounds like a challenge you'd like to take on, send your résumé, salary requirements, and a letter of reference to: Pierce P.O. Box 117 Rockford, IL 61106 Attention: Human Resource Manager Equal Opportunity Employer.

RESEARCH MOLECULAR BIOLOGIST—ENTOMOLOGIST

Insect and Weed Control Research Unit, West Lafayette, Indiana. Permanent, full-time position. Responsible for establishing and directing a basic research program to identify genes and factors conveying resistance and to characterize the nature and basic mechanisms of insect resistance in small grain crops. The wheat–Hispan fly interaction represents a priority area for investigation. Incumbent uses molecular techniques to identify and characterize resistant genes in both plant host and insect. Serves as a member of a diversified research team leading to the protection of small grains from insects. A degree in entomology, biological sciences, or a related discipline, and knowledge of genetics, biochemistry, host insect resistant characteristics, and skill in molecular biology techniques are required. A Ph.D. is desirable. Salary range $38,861 to $54,607 per annum based on qualifications and experience. For position information contact: M. M. Schreiber, 317-494-4656. For vacancy announcement and application procedures contact USDA-ARS, P.O. Box 203, Muncie, IN 47303-0203. Applications must be marked 2N056 and postmarked by September 21, 1992. Incomplete applications will not be considered. ARS is an Equal Opportunity Employer.

RESEARCH ASSOCIATE—TST

Saint Francis Hospital and Medical Center, located in Hartford, Connecticut, is seeking a candidate to join our Department of Research and Heart Institute to establish a new program in Vascular Biology. Candidates should have completed a doctoral (M.D. or Ph.D.) degree and a postdoctoral fellowship, and have prior experience in molecular aspects of vascular cells. This position is eligible for an appointment at the University of Connecticut School of Medicine. Interested candidates should send a résumé and references to: Dr. Ernesto Capasso, Dept. of Cardiovascular Medicine, Saint Francis Hospital and Medical Center, 114 Woodland Street, Hartford, CT 06105–1299. FAX: (203) 548–5415. Equal Opportunity Employer/Affirmative Action/EO/AD. Pre-employment drug testing. The Science of Medicine—The Art of Caring.

PROTEIN BIOCHEMIST

To join our ongoing study of an active label of phospholipase A2. Experience in protein purification essential; experience in molecular biology techniques preferred. Stipend up to $35,000 plus fringe benefits, commensurate with experience. Submit statement of research interests, curriculum vitae, and three references to: Dr. Allen S. Goldman, The Craniofacial Center, University of Illinois at Chicago, M/C 588, P.O. Box 6998, Chicago, IL 60681.

RESEARCH SCIENTIST/DRUG SAFETY DIVISION

To oversee and direct laboratory within Biochemical Toxicology laboratory. Design, conduct and report drug safety studies in support of IND, evaluate preclinical safety and act as compound monitor of new drug candidates. Experience in the identification and regulation of cytochrome P-450 isoforms in extrahepatic tissues (nasal epithelium, lung and brain) utilizing a battery of specific, epitope distinct and inhibitory monoclonal antibodies against the cytochromes P-450 detected in these tissues. Perform and oversee research to define substrate specificity of extrahepatic cytochrome P-450 isoforms using a battery of substrates (testosterone, progesterone, nitroamines and resorufin derivatives) utilizing HPLC, immunoassays, and Western Blot, gel electrophoresis and cell culture. Masters in Pharmacology plus two years of experience as a research Scientist/Biochemical Pharmacology required. Previous experience includes hands-on experience performing research to clarify the function and regulation of cytochrome P-450 isoforms in extrahepatic tissues (nasal epithelium, lung and brain) utilizing a battery of specific, epitope distinct and inhibitory monoclonal antibodies against the cytochromes P-450 detected in these tissues. Previous experience must also include two years of hands-on experience defining substrate specificity of extrahepatic cytochrome P-450 isoforms using a battery of substrates (testosterone, progesterone, nitroamines and resorufin derivatives) utilizing HPLC, immunoassays, and Western Blot, gel electrophoresis and cell culture. Eighty hours per week, 8:30 a.m. to 4:30 p.m. Monday to Friday. $55,000.00 per year. Send résumés to: Human Resources, RHOME-POULENC RODERER CENTER RESEARCH, Job 001J42, 500 Arcola Road, Collegeville, PA 19426. Equal Opportunity Employer.

VASCULAR BIOLOGY RESEARCH PROGRAM

The Gladstone Institute of Cardiovascular Disease and the University of California, San Francisco are recruiting a SENIOR SCIENTIST at the Associate or Professor in Residence level in the area of vascular biology to interact with lipoprotein group and lead research group to study the cellular and molecular basis of arteriosclerosis. Vascular biology broadly defined. M.D. and/or Ph.D. with appropriate years of research experience preferred. Applicants should have at least three references to: Vascular Biology Position Search Committee, c/o Human Resources; Gladstone Institute of Cardiovascular Disease, P.O. Box 419100, San Francisco, CA 94141–9100.

The University of California, San Francisco is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

TECHNICAL APPLICATIONS SPECIALIST

Boston area research products company seeks organized individual with excellent interpersonal skills. Responsibilities include telephone assistance to customers with technical questions; generate/revise protocols, organize product promotion and literature. Must have B.S. in a life science and three years of laboratory experience using electrophoresis equipment. Send résumé, salary history and requirements to: Owl Scientific, Personnel Department, P.O. Box 566, Cambridge, MA 02139.

ANNOUNCEMENTS

BRAIN TUMOR RESEARCH GRANT FUNDING

The Tumor Biology Society announces the availability of grant funding for basic scientific research related to brain tumors. Grants will be awarded annually for up to two years (with a maximum of $50,000 per year). Grants will be limited to the New England region. Application deadline is December 15, 1992. For information and application forms contact: The Tumor Biology Society, 258 Harvard Street, Suite 308, Brookline, MA 02146, telephone: (617) 433–7033.

SCIENCE • VOL. 257 • 28 AUGUST 1992

COURSES AND TRAINING

ADVANCED AUTOMATED/DIAGNOSTIC DNA SEQUENCING

Workshop: Baylor College of Medicine, Houston, Texas, October 29 to 31, 1992. For six experienced scientists interested in state-of-the-art automated DNA sequencing techniques. The workshop will provide exposure to a core facility utilizing fluorescent DNA sequencing instruments for large-scale and diagnostic DNA sequencing. Topics include PCR sequencing for mutation detection and human immunodeficiency virus characterization, semi-automated template preparation, robotic DNA sequencing (Bedmass Biomeck and ABI Catalyst systems) and overall core lab organization. Workshop precedes the 3rd Annual W. M. Keck Symposium on Computational Biology (November 1 to 3, 1992). Directors: Dr. Richard A. Gibbs and Donna M. Muzny, Baylor College of Medicine. Tuition: $750 (Accommodations not included). Application deadline: October 1, 1992. For further information, contact: Lori Lawler-Lopez, Institute for Molecular Genetics, Baylor College of Medicine, Houston, TX 77030. Telephone: 713–798–5393 or FAX: 713–798–6521.


COMPUTER MARKETPLACE

STATISTICAL SOFTWARE


Circle No. 11 on Readers’ Service Card

MARKETPLACE

$3.50/Day

Custom DNA Synthesis

No Set-up Fee, Shipped in 24 hours.

KEYSTONE LABORATORIES, Inc
1-800-788-4 DNA
1-800-788-4DNA Fax

Circle No. 17 on Readers’ Service Card

Quality DNA

Services from $3/base+set-up

Call Midland
1-800-247-8766

Circle No. 4 on Readers’ Service Card
New p53 Antibody and ELISA's for TGF-α, pan p53, and EGF-R

A new antibody with improved staining performance for frozen and paraffin-embedded human tissue sections with low levels of mutant or wild-type p53 will be available in mid-September. The DO-1 clone also offers enhanced performance for western blotting and immunoprecipitations. Call for a data sheet on OP43 and we will send it to you as soon as it is ready.

A new 96 well ELISA assay for TGF-α is now available and assays for pan p53 and EGF-receptor are expected in October. Data sheets outlining the performance characteristics of these kits can be obtained (when ready) by calling 800-662-2616 or 516-222-0023. For research use only. Not for use in diagnostic or therapeutic procedures.

4th International Conference on Gene Transcription as a Novel Target for Drug Discovery

October 22—24, 1992

This conference, held at Cold Spring Harbor Laboratory, NY, covers therapeutic research in areas including cancer, CNS, immunosuppression, viruses, and metabolism. The extremely distinguished group of speakers include M. Rosenfeld, P. Sharp, S. McKnight, M. Parker, and R. Eisenmann.

Call 1-800-662-2616 (516-222-0023 in NY and outside the US) for more information and to register.

New Wall Chart

The latest version of the Oncogene Science Wall Chart is now available for $7.95. This colorful new chart measures 38" by 26" and has over 3 times as much information as its predecessor. Slide sets are available at $10.00 per set. Teachers who wish to use the upcoming free 28 page product guide booklet on the chart as course material are encouraged to contact our Marketing Department.

The chart or the slides may be purchased by mailing a check to:

Oncogene Science
106 Charles Lindbergh Blvd.
Uniondale, NY 11553.

Circle No. 22 on Readers' Service Card
While everyone else was imitating our STS-45, our work took a different slant.

Until recently, if you wanted a full-size thermoplate sequencer, you had two choices: Buy an STS-45 from IBI. Or choose one of the dozen or so STS-45 clones made by other suppliers. But now that's all changed with the Base Runner family of nucleic acid sequencers, the first sequencers to actually surpass the STS for versatility, efficiency and ease of use.

Eliminate artifacts and cracked plates caused by uneven heating with our patented Thermocore design that lets you cast your gel directly on the thermoplate. It eliminates even minor variations in temperature for unbeaten edge-to-edge uniformity.

Resolve up to 400 bases per template with our 60 cm plates. Read even more bases with our wedge spacers that increase band resolution at the top of the gel and preserve data at the bottom. Or run economical 30 cm or 45 cm gels simply by changing plates.

Discover other unique convenience and performance advantages such as the compact 30 cm x 30 cm footprint, and the space-saving back-to-back double gel capacity of the Base Runner 200. Or see how easily both Base Runners set up and disassemble with their unique angled shape and spring-loaded buffer tanks.

Put good science to work in your lab. Find out more about our Base Runner and STS sequencers and our full line of Life Science research products. Contact your local VWR office, or call the IBI Sales Group today: 1-800-243-2555 or (203)786-5600.

Circle No. 20 on Readers' Service Card

INTERNATIONAL BIOTECHNOLOGIES, INC.
Subsidiary of Eastman Kodak Company
P.O. Box 9558, New Haven, CT 06535