Hawkins of Dorset, a 19th-century “eccentric” who shares honors in the book with Mary Anning; and Louis Agassiz of Harvard, whose lithographic plates of fossil fish are juxtaposed with photographs of the specimens. The accounts of these personages and their activities are not straightforward biographical accounts but belong more to the genre of the familiar essay for which Gould is well known, with many digressions on topics larger and smaller. Apparently intended for only the most casual of readers, the book includes no bibliography for those whose appetite might have been whetted for a less episodic treatment, nor even an index or informative table of contents for those who might want to reread choice bits before moving on to other pursuits.—Katherine Livingston

Books Received


**Biologic Markers in Immunotoxicology.** Board on Environmental Studies and Toxicology, National Academy Press, Washington, DC, 1992. xvii, 206 pp., illus. Paper, $37.95.


**Dasycladaceae.** An Illustrated Monograph of a Fascinating Algal Order. Sigrid Berger and Matthias J.
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AAAS MENTOR AWARD

Call for Nominations

This annual award honors individuals who, during their careers demonstrate extraordinary leadership in efforts above and beyond their duties to increase the participation of women of all racial/ethnic groups, African American, American Indian, and Hispanic men, and people with disabilities in science and engineering fields and careers. Until the number and influence of such individuals increase within the faculty, efforts to expand and diversify research interests, to provide role models, and to reflect the diversity of the country within science and engineering education programs and departments will be severely limited.

A prize of $5000 and a commemorative plaque will be awarded to those who have mentored and guided the careers of doctoral students and significant numbers of students of these underrepresented groups and/or to those who have affected the climate of a department, college, or institution in such a way as to significantly increase the ethnic diversity of students pursuing and completing doctoral studies.

Such commitment and extraordinary effort may be demonstrated by:

- the number and diversity of such students mentored
- assisting students to present and publish their work, to find financial aid, and to provide career guidance
- providing psychological support, encouragement, and essential strategies for life in the scholarly community
- continued interest in the individual's professional advancement.

Supporting evidence of these accomplishments submitted on behalf of a nominee must contain:

- a letter of nomination which enumerates the ways in which the person reflects the purpose of this award
- curriculum vitae of nominee
- a list of such students mentored
- a minimum of 5 and maximum of 15 supporting letters from students and colleagues representative of the different spheres in which the candidate demonstrated effort, results, and commitment.

Last year's winners were:

Anthony J. Andreoli, Professor of Biochemistry
California State University, Los Angeles, CA

Lafayette Frederick, Professor and Chairman, Department of Botany
Howard University, Washington, DC

Nominations will be reviewed and award recommendations made by the AAAS Committee on the award will be given at the AAAS Annual Meeting in Boston, February, 1993. Expenses associated with attending this ceremony will be borne by AAAS.

Materials should be sent by October 28, 1992 to: AAAS Mentor Award, c/o Yolanda S. George or Alana J. Wilson, Directorate for Education and Human Resources Programs, AAAS, 1333 H Street NW, Washington, DC 20005, (202) 326-6670, Fax (202) 371-9849.

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Washington, DC 20005
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FAX: 202-682-0816

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Deborah Cummings
Telephone: 202-326-6541

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FAX: 202-682-0816

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

POSITIONS OPEN

ASSISTANT PROFESSORSHIP

The Departments of General Surgery and Tumor Biology at the University of Texas M.D. Anderson Cancer Center are currently engaged in a year-long program in the molecular aspects of soft tissue sarcoma proliferation and metastasis. A full-time, tenure-track position is available as a joint appointment in these Departments. We are seeking an outstanding individual who has expertise in tumor cell biology, tumor biochemistry, tumor molecular biology or oncology and a desire to add tissue sarcoma proliferation, invasion, and metastasis. Candidates should have a doctoral degree and postdoctoral experience and should demonstrate exceptional potential in research and graduate teaching. Level of appointment will be commensurate with previous experience and accomplishments. Applications should include curriculum vitae, names and telephone numbers of at least five references and a 1- to 2-page statement of current research activities and future interests to either Raphael E. Poplock, M.D., Ph.D., Deputy Chairman (Research), Department of General Surgery—Box 106, University of Texas M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030, or to Garth L. Nicholson, Ph.D., Chairman, Department of Tumor Biology—Box 108, University of Texas M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030. The University of Texas is an Equal Opportunity/Affirmative Action Employer. Smoke-Free Environment.

COLBY COLLEGE

is seeking an Animal Physiologist to fill a tenure-track position at ASSISTANT PROFESSOR level in the Biology Department to begin September, 1993. Women candidates will be considered for a Clare Boothe Luce Assistant Professorship, which provides dedicated annual research funds, and a fellowship for graduate assistantship. Candi-
dates should have a Ph.D. and a strong commitment to undergraduate education. Applicants should have broad training in animal physiology and a research interest in invertebrate, fish, amphibian, or reptile biology is preferred. Teaching will include comparative physiology, a course in the candidate's discipline, a course for nonbiology majors in alternate years and team teaching in the introductory course in some years. An active research program, including supervision of undergraduate re-
search, will be expected. Familiarity with liberal arts colleges, teaching experience, and/or postdoctoral train-
ing are desirable.

Please submit a letter of application, statement of teaching and research interests, curriculum vitae, reprints of publications, undergraduate and graduate transcripts, and three letters of recommendation to: Professor David H. Firtume, Chair (Department of Biology), Colby College, Waterville, ME 04901. Application review will begin November 2, 1992. Colby College is an Equal Opportunity/Affirmative Action Employer and encourages applications from minorities and women.

ACADEMIC POSITIONS

ASSISTANT PROFESSORSHIPS. The Depart-
ment of Chemistry and Biochemistry of The University of Texas at Austin solicits applications for tenure-track assistant professorships beginning September 1993. Ex-
ceptional candidates in all areas of chemistry/biochemistry will be considered. Candidates who have demonstrat-
ed outstanding research ability and show promise in research should forward curriculum vitae, short descrip-
tions of research plans, and three letters of reference by November 1, 1992, to: Search Committee, Depart-
ment of Chemistry and Biochemistry, The University of Texas at Austin, Austin, TX 78712. Please indicate in your letter the division of chemistry or biochemistry which best describes your research and teaching interests.

Equal Opportunity/Affirmative Action Employer.

BIOCHEMIST/MOLECULAR BIOLOGIST. The Department of Poultry Science has a 12-month, tenure-track ASSISTANT PROFESSOR position for an individual with a Ph.D. in poultry physiology for postdo-
roral training in molecular biology. Experience with poultry required. Individuals with a commitment to research and teaching should submit curriculum vitae, transcripts, statements of research interests, and three letters of reference to: Dr. P.S. Hargis, Department of Poultry Science, Texas A&M University, College Sta-
tion, TX 77843-2472.

ASSISTANT PROFESSORS OF BIOLOGY

The University of Texas at San Antonio (UTSA) Applications are invited for four tenure-track faculty positions in Biological Sciences. Responsibilities include a doctoral degree, postdoctoral experience, a commitment to teaching, and demonstrated research accomplishments in one of the following areas: Immunology, Virology, Molecular Cell Biology or Computational Neurobiology. Emphasis will be placed on selecting outstanding individuals with research interests relevant to the mission of the University and laboratory space are available. The Division of Life Sciences offers the B.S. and M.S. in Biology, an M.S. in Biotechnology and a Ph.D. in Biology. Level of appointment will be commensurate with the candidate's experience. To apply, send curriculum vitae and a letter of applica-
tion describing research interests, and have three refer-
ence letters sent to: Dr. Brenda J. Claiborne, Chair, Assistant Professor Search Committee, Division of Life Sciences, The University of Texas at San An-
tonio, San Antonio, TX 78249. Initial screening of candidates will begin on November 2, 1992. Applica-
tions will be accepted until November 30, 1992.

UTSA is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply.

The UCLA Department of Pathology invites applications for a faculty position at the ASSISTANT or ASSOCIATE PROFESSOR level in Hematopathology, at an affiliated program at the Los Angeles Medical Center. The appointee will have responsibilities in patient care, research and teaching of Residents and Med-
ical students. Candi-
dates should have board certification and clinical experience. Submit curriculum vitae and names and addresses of three references to: George Smith, M.D., Professor and Acting Chair, UCLA Department of Pathology and Laboratory Medicine, 10835 Le Conte Avenue, Los Angeles, CA 90024-1732. UCLA is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR: Harvard Medical School, Department of Biological Chemistry and Molecular Pharma-

cology (BCMP).

The Department of Biological Chemistry and Molecular Pharmacology Harvard Medical School invites applications for three tenure-track positions at the Assistant Professor level.

We seek individuals with strong experimental back-
grounds in biochemistry, molecular biology and molec-
ular pharmacology, and a commitment to excellence in research and teaching. We are particularly interested in applications with expertise in signal transduction, receptor-ligand interactions and signal transduction processes; (2) molecular genetics, approaches to gene regu-
lation, protein and RNA interactions, and cell biology; (3) biophysical and/or bioorganic approaches to structure and mechanisms. Applicants should submit, by 1 November 1992, curric-
ulum vitae, bibliography, statement of research plans and arrangements for three letters of recommendation to be sent to: Professor Christopher T. Walsh, Chairman, BCMP, Harvard Medical School, 240 Longwood Avenue, CI-213, Boston, MA 02115. Harvard University is an Equal Opportunity/Affirmative Action Employer and encourages the applications of qualified women and minorities.

TENURE-TRACK BIOCHEMIST—CARLETON COLLEGE will have a tenure-track biochemistry position at the ASSISTANT PROFESSOR level beginning Sep-

The Chemistry Department has a staff of 7, excellent students, facilities and equipment, and about 25 majors per year. Carleton is an Equal Opportunity/Affirmative Action Employer.

Send all materials to: Professor Jerry Masters, Chair, Search Committee, Carleton College, Northfield, MN 55057. We particularly encourage applications from women and members of minority groups. EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

1781
The World Health Organization

has a vacancy with its Prevention of Environmental Pollution Unit
within the Division of Environmental Health, in Geneva, for a

Scientist (time-limited post for 1 year)

Duties: The incumbent, under the supervision of the Medical Officer, Prevention of Environmental Pollution, works on the environmental epidemiology component of the four networks making up the Global Long-Term Programme to strengthen education, training and research in environmental health in developing countries. The specific objectives are: to provide training expertise to the Global Environmental Epidemiology Network concerning health effects of environmental hazards; to establish and strengthen relevant education and training locally in collaboration with Regional Offices and to assist in the WHO promotion of epidemiological research on local environmental health problems.

Qualifications required: Degree in medicine, public health or epidemiology from a recognized university and a post-graduate degree in an appropriate subject. Capacity to organize and coordinate research and to teach environmental epidemiology. Administration and organizational skills. Ability to maintain good relations with staff and with national and international organizations. Considerable professional experience (after graduation) mainly in epidemiological research and training at the national level in the area of health effects of environmental health hazards. Excellent knowledge of English or French with a very good knowledge of the other language.

An attractive package of salary, international allowances, social security and statutory entitlements, is offered.

A detailed curriculum vitae with photographs should reach the following office within three weeks of publication of this advertisement quoting reference “MPR/PEP” and the name of this journal:

Personnel Officer
World Health Organization
Avenue Appia
1211 Geneva 27, Switzerland

Applications from Women are Encouraged

Only candidates under serious consideration will be contacted.

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Administrators/Scientists
Irvine Research Unit in Brain Aging and Alzheimer’s Disease
University of California, Irvine

The Irvine Research Unit in Brain Aging and Alzheimer’s Disease is currently seeking an Administrative Scientist (Academic Coordinator III) to serve as chief academic/administrative director of a basic science/clinical program concerned with the study of successful aging and age-related neurodegenerative diseases, their diagnosis and treatment. The IRU serves as the administrative structure for a program that encompasses an NIA/Alzheimer’s Disease Research Center, a State of California Alzheimer’s Disease Diagnostic and Treatment Center, several program projects and a comprehensive training program that includes clinical and research opportunities. The mission of the IRU is to bridge the distance between clinical practice and basic neuroscience research in this field on the UCI campus by integrating complementary lines of inquiry in order to increase the potential for advancement in both, and optimize scarce resources.

The ideal candidate would possess postgraduate training in the neurosciences or psychology, hopefully a Ph.D., and have demonstrated experience in accomplishing research objectives, developing research projects, writing research grants and proposals. The incumbent should have strong managerial skills in the areas of contract and grant finance, personnel and supervisory policies, and strategic planning. The development of the IRU’s large patient population, state wide patient assessment and research database provides an opportunity for creation of research projects for the candidate with training in computer sciences and/or relational databases. Background and/or experience in the health sciences and sensitivity to issues associated with patients and clinical research would be desirable.

Responsibilities include building collaborative studies, the development and implementation of new programs and research projects, maintaining a network of interactions with external government agencies and privately sponsored support groups, as well as oversight of the administrative and business services of the unit.

Interested persons should send a curriculum vitae, publications and list of three references to:

Dr. Carl Cotman, Director, Irvine Research Unit in Brain Aging
2205 Biological Sciences II,
University of California, Irvine
Irvine, California 92717.

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

Women and minorities are encouraged to apply.

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Public Health Service
Department of Health and Human Services

The National Institute on Aging (NIA) invites nominations and applications for the position of Director, NIA. This is a Civil Service position in the Senior Executive Service with a salary range of $90,000 to $112,100 per annum. The person selected may be eligible for various bonuses, awards, and allowances. A one-year probationary period must be served by the individual selected if not currently in the Senior Executive Service.

The Director is responsible for the policy development and coordination of all institute activities, which include: conducting, fostering, and supporting biomedical, social, and behavioral research and training pertaining to aging processes and common problems of older people.

Further information about the position and qualifications requirements may be obtained by contacting Mr. Barry Rubinstein at (301) 496-6477. An application for Federal Employment (SF-171) accompanied by a current curriculum vitae and bibliography should be submitted to:

Building 31, Room 5A28
National Institutes of Health
9000 Rockville Pike
Bethesda, Maryland 20892

Applications Must Be Postmarked
No Later Than October 7, 1992

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

Please note that this is a testing designated position. An applicant tentatively selected for this position will be required to submit to urinalysis prior to appointment to screen for illegal drug use.

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Wyeth-Ayerst Research
Opportunities in Clinical Pharmacology

Wyeth-Ayerst Laboratories is a Division of Fortune 100 American Home Products Corporation, a leading manufacturer and marketer of health care products with multi-billion dollar annual sales and an impressive record of growth and profitability. We currently have the following opportunities at our modern pharmaceutical research division in Radnor, Pennsylvania:

**Assistant Director**

Selected individual will be responsible for the technical planning and implementation of clinical pharmacology objectives for each clinical development project. This will include supervising clinical scientists in the planning, generation and implementation of clinical pharmacology protocols. Requirements include a Pharm.D. or a Ph.D. in clinical/biomedical sciences with up to 3 years experience in a clinical drug development environment. Candidate should have specialized knowledge in one or more areas of clinical or preclinical science and should have the capability to analyze and resolve complex technical issues. **Position #003**

Wyeth-Ayerst offers an attractive salary, comprehensive benefits package and a choice environment on our 20-acre corporate campus. For immediate consideration, forward your resume/C.V. and salary history to: Wyeth-Ayerst Research Personnel, Insert Position #, P.O. Box 8299, Philadelphia, PA 19101. Equal Opportunity Employer, M/F/D/V responses encouraged.

**Associate Director Physician**

Selected individual will be responsible for all aspects of safety monitoring. As medical monitor, this will include working closely with project monitors and pharmacokineticists to develop a scientifically sound and clinically safe developmental plan for projects, including all Phase 1 protocols, and to compile final safety reports/updates. Requirements include medical school completion; board certification in a specialty is preferred. Familiarity with the evaluation of study events and laboratory studies is essential. Previous industry experience, including monitoring experience as well as experience in clinical medicine is preferred. **Position #002**

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**Analytical Chemists**

The Procter & Gamble Company has immediate openings for Ph.D. analytical chemists in its drug discovery and product development divisions at laboratories based in Cincinnati, Ohio and Norwich, New York. The positions involve working closely with project teams that are developing and evaluating new therapeutic agents and require developing and validating methods to analyze pharmaceuticals in a variety of matrices (drug substances, formulations, ultra-trace drugs/mediators in biofluids). Analytical chemists in the drug discovery divisions provide upstream support for model development, mechanism-of-action studies and preclinical/clinical programs. Positions in the product development divisions focus on support for later stage programs, i.e., clinical programs, new product development, lab-to-plant technology transfer and support of business claims. These openings require a Ph.D. degree in analytical chemistry or biochemistry and experience using a variety of techniques (chromatography, electrophoresis, immunoassays, wet chemistry) and instrumentation. An understanding of GLP/GMP systems, strong problem-solving skills, the ability to set and achieve goals, good communication skills and teamwork skills are also desired. Procter & Gamble is a world leader in the research, development, manufacture and marketing of a wide variety of consumer products in the health and beauty care, food and beverage, laundry and cleaning and paper products areas. Annual sales exceed $30 billion, and the R&D budget is over $800 million.

We offer excellent opportunities for professional growth, with significant expansion under way in the health care area. We provide competitive salaries and benefits packages, placing us among the top 5% of U.S. firms.

Candidates must be presently authorized to work in the U.S. on a full-time basis. Resumes, with a list of publications and references, should be sent to:

**Dr. N.G. Howell, Dept. LC2**
**The Procter & Gamble Company**
**P.O. Box 398707, Cincinnati, OH 45239-8707**

*No Agency referrals, please. Allow 6-8 weeks for response. An Equal Opportunity Employer.*
**POSITIONS OPEN**

**ANATOMIST/CELL BIOLOGIST**
The Department of Anatomy and Cell Biology, University of Wisconsin, Madison, is seeking applicants to fill a 12-month, tenure-track, Anatomist/Cell Biologist position. Application is invited for ASSISTANT PROFESSOR level. The anticipated start-up date is July 1, 1993. The individual will participate in the teaching of microscopical, developmental and/or gross anatomy to first-year medical students. Opportunities exist to participate in both graduate and undergraduate education in the area of cellular/molecular biology. The individual will be expected to develop an externally funded research program in her/his area of expertise. Excellent opportunities exist at the University of Wisconsin for research collaboration, especially in the areas of cardiovascular, developmental/toxicological, or neuroscience problems. The qualified applicant must have a Ph.D. and/or M.D. with emphasis on research using cellular/molecular biological techniques. Preference will be given to those who have a minimum of three years post-doctoral experience in cell/molecular biology. The deadline for receipt of applications is December 7, 1992. Interested individuals are encouraged to send a curriculum vitae (including research interests and three letters of recommendation) and a statement of teaching and research interests to: Dr. Calvin C. Hale, Veterinary Biomedical Sciences, College of Veterinary Medicine, University of Wisconsin-Madison, Madison, WI 53706. The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer.

**CELL PHYSIOLOGIST**
The Department of Anatomy and Physiology in the College of Veterinary Medicine invites applications for a tenure-track faculty position at the ASSISTANT PROFESSOR level. The appointment begins July 1, 1993. Applicants should have an externally funded research program or have established a research program with grant support. Preference will be given to candidates who have an interest in teaching and research in the areas of molecular, developmental and/or cellular physiology. Applicants should send a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Dr. Larry J. Leary, Director, Research Office, College of Veterinary Medicine, University of Minnesota, St. Paul, MN 55108-6148. The University of Minnesota is an Equal Opportunity Employer and Educator.

**MOLECULAR BIOLOGIST**
Applications are being accepted for an eleven-month, tenure-track ASSISTANT PROFESSOR position in the Department of Veterinary Biomedical Sciences, College of Veterinary Medicine, at the University of Missouri-Columbia. Requirements include the DVM and/or Ph.D. degree, or equivalent degree. The successful candidate must have proven expertise in molecular biology technologies and have extramural research support or demonstrated exceptional potential for the development of a vigorous, sustained research program. Preference will be given to those whose research utilizes a molecular approach to study regulatory mechanisms involved in immunophysiological or cardiolipulmonary systems. DVM and/or Ph.D. degree required. Applications should include curriculum vitae, a statement of research and teaching interests, three letters of recommendation and three representative publications. Applications will be reviewed by a committee of three faculty members in the Department of Veterinary Biomedical Sciences and another member of the College of Veterinary Medicine. Applications will be reviewed until December 1, 1992. Send applications and materials to: Dr. D. Dunn, Professor and Department Head, Department of Veterinary Biomedical Sciences, University of Missouri-Columbia, Columbia, MO 65211. The University of Missouri is an Affirmative Action/Equal Opportunity Employer.
VICE PRESIDENT FOR RESEARCH AND GRADUATE STUDIES

SUNY Stony Brook invites nominations and applications for the position of Vice President for Research and Graduate Studies.

The Vice President for Research and Graduate Studies is the senior academic administrator who is responsible for all aspects of post-baccalaureate education and for the advancement of the University’s research mission. The Vice President, who reports to the Provost (Vice President for Academic Affairs and Chief Academic Officer), is the principal advisor to the Provost on all matters that pertain to research and graduate studies. Attending meetings of the President’s Cabinet, he/she is the major advocate both within and outside the University on research and graduate matters. As the administrator responsible for encouraging and facilitating research proposals throughout the campus, the Vice President should also be familiar with the objectives and procedures of the major public and private funding agencies that support scholarly and creative activities. Working closely with the Graduate Council, the Vice President is responsible for the direction of the Graduate School, for the formulation and implementation of its policies, and for monitoring the quality of graduate programs.

Qualifications include a Ph.D., a record of academic distinction and scholarly achievement, as well as evidence of outstanding administrative capabilities. We particularly wish to encourage applications from women and members of minority groups. The position will be available on July 1, 1993.

The University enrolls 17,000 students, including 5,900 graduate and professional students, and consists of a College of Arts and Sciences, a College of Engineering and Applied Sciences, The W. Averell Harriman College for Management and Policy, and a Health Sciences Center that includes Schools of Medicine, Dental Medicine, Nursing, Social Welfare and Allied Health Professions, a 540-bed University Hospital and a 350-bed Veterans Home. There are currently about 80 graduate programs. In 1991, sponsored research expenditures amounted to 80 million dollars.

In order to receive maximum consideration, applications should be sent by November 1, 1992 to: Chairman, Search Committee, Vice President for Research and Graduate Studies, Office of the Provost, SUNY at Stony Brook, Stony Brook, New York, 11794-1401.

SUNY Stony Brook is an equal opportunity/affirmative action employer. AK213.

Postdoctoral Research Fellowships

The Pathology and Experimental Toxicology Department of the PARKE-DAVIS Pharmaceutical Research Division of Warner-Lambert Company is seeking qualified persons for postdoctoral fellowships in biochemical toxicology and genetic toxicology.

The BIOCHEMICAL TOXICOLOGY fellowship will entail investigation of mechanisms of nephrotoxicity induced by platinum-based chemotherapeutic agents. Applicants should possess a Ph.D. in toxicology or a related discipline and should have experience with in vitro techniques and tissue culture methodology. Additional experience with real transport studies, atomic absorption spectrometry, auto radiography, use of fluorescent probes and/or confocal microscopy is desirable.

The GENETIC TOXICOLOGY fellow will investigate new approaches to assessing genotoxicity in multiple organs in vivo utilizing a variety of endpoints (DNA strand breakage, mutation induction, chromosome damage, aneugenicity). The technologies utilized will include biochemical and molecular techniques as well as more classical methodologies. Qualifications include a Ph.D. or M.D. and experience with in vivo/in vitro genotoxicity. Experience with molecular biology techniques such as in situ hybridization, PCR and use of DNA probes is desirable but not required.

Fellowships are for one year, renewable for a second year with mutual agreement, and include a competitive salary, comprehensive benefits package and relocation assistance.

Interested individuals should send their resume and list of references to Box JDM-PD915, Human Resources Department, PARKE-DAVIS Research Division, Warner-Lambert Company, 2800 Plymouth Road, Ann Arbor, MI 48105. Candidates may also fax their resumes to (313) 996-7617 to the attention of Box JDM-PD915. Please specify the fellowship being applied for. "Smoke-Free Work Environment"
FACULTY OPENING IN PHYSICS University of California at Berkeley

The Physics Department of the University of California at Berkeley, pending budgetary approval intends to make one or more tenure-track ASSISTANT PROFESSOR level effective July 1 1993. In exceptional circumstances appointment at a more senior level will be considered. We encourage applications from both theorists and experimentalists in condensed matter physics (including low temperature physics), astrophysics and space physics, particle physics, atomic physics and nonlinear dynamics, and newly emerging subfields of physics.

Please send curriculum vitae, bibliography, statement of research interests, and a list of references to: Professor Herbert B. Zijlstra, Department of Physics, Berkeley, CA 94720, before November 13, 1992. Applications submitted after the deadline will not be considered.
The University of California is an Equal Opportunity/Affirmative Action Employer.

CELLULAR/MOLECULAR TOXICOLOGIST DEPARTMENT OF PHARMACOLOGY UNIVERSITY OF TORONTO

The Department of Pharmacology, Faculty of Medicine, University of Toronto invites applications for a tenure-track ASSISTANT PROFESSOR position in a newly established laboratory which is well-equipped to study cell growth and differentiation at the cellular and molecular level.

Applications should be submitted to: The Department of Pharmacology, University of Toronto, Toronto, Ontario, Canada M5S 1A8.
The University of Toronto encourages applications from both women and men.

ASSISTANT PROFESSOR OF CHEMICAL ENGINEERING MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)

Applications are invited for a junior-level, tenure-track faculty position in the Department of Chemical Engineering at the Massachusetts Institute of Technology. Applicants should have a Ph.D. in Chemical Engineering or a closely related field, should have demonstrated excellence in academic research, and should have a strong interest in teaching graduate and undergraduate chemical engineering. Send resume including the names of at least three references, graduate transcripts and a description of research interests to: Dr. Robert A. Brown, Head, Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139. Material should be received by January 1, 1993. MIT is an Equal Opportunity, Affirmative Action Employer.

Virginia Commonwealth University's Department of Pharmacology and Toxicology announces a tenure-track ASSISTANT PROFESSOR position in MOLECULAR PHARMACOLOGY. Applicant must have a Ph.D. or its equivalent in pharmacology or a closely related discipline, and at least three years of relevant postdoctoral research experience. Must have an outstanding record of research accomplishments and, preferably, experience in using modern molecular biological approaches. Applications are invited to establish an independently funded research program and to support the department's graduate and professional school teaching mission. Send curriculum vitae, brief research proposal and the names and telephone numbers of three references by November 1, 1993 to: Dr. George Kuosa, Chair, Department of Pharmacology and Toxicology, Virginia Commonwealth University, Richmond, VA 23298-0613. Complete position description available upon request. Virginia Commonwealth University is an Equal Opportunity/Affirmative Action Employer and encourages women, minorities and persons with disabilities to apply.

BRANDEIS UNIVERSITY NEUROSCIENCE

The Center for Complex Systems, Department of Biology and Rosenstiel Basic Medical Sciences Research Center seek state-funded position as ASSISTANT PROFESSOR with interest and experience in the regulation of gene expression in the nervous system. Areas of interest include, but are not restricted to, control of the expression of neurobiologically important proteins related to neuronal development, plasticity and disease. Applicants should send curriculum vitae and statement of research interest to the Committee, three letters of recommendation to be sent directly to: Neurosciences Search Center for Complex Systems Brandeis University Waltham, MA 02254

The deadline for receipt of applications is 31 October, 1992. Brandeis University is committed to Equal Opportunity and welcomes applications from underrepresented groups.

TENURE-TRACK POSITION DEPARTMENT OF BIOCHEMISTRY WRIGHT STATE UNIVERSITY

The Department of Biochemistry at Wright State University invites applications for a 12-month, tenure-track, faculty position at the ASSISTANT PROFESSOR level with an appointment in both the School of Medicine and the College of Science and Mathematics. Candidates with research expertise in any area of contemporary biochemistry will be considered.

Current research in the department are grouped into three areas: macromolecular mechanisms, including protein and membrane structure-function relationships; molecular genetics and the regulation of transcription and translation in prokaryotes; and the application of nuclear magnetic resonance to biomedical research.

A Ph.D. in Biochemistry or a related field and two or more years of postdoctoral experience are required for appointment. The successful applicant will be expected to develop an independent research program as well as to participate in the department's undergraduate, graduate (M.S. and Ph.D.), and professional (M.D.) teaching programs.

Interested applicants should send curriculum vitae, a focused research plan, and the names of three references to: Dr. Lawrence J. Prochaska, Chairperson, Faculty Search Committee, Department of Biochemistry, Wright State University, Dayton, OH 45435. Candidates from groups under-represented in academic science are encouraged to apply.

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

FACTORY POSITION

Molecular Neurobiology

Department of Neurobiology and Behavior State University of New York at Stony Brook

The Department of Neurobiology and Behavior at SUNY at Stony Brook is seeking a candidate for a tenure-track assistant professor position as an ASSISTANT PROFESSOR beginning with the 1993-1994 academic year. Area of interest for the successful candidate will be in molecular neurobiology. The applicant will be expected to teach in the undergraduate and graduate program. This position is a 10-month appointment in the Division of Biological Sciences. The Department, which currently consists of 12 full-time faculty, expects to recruit at least 22 full-time faculty within the next five years.

All applicants should have a minimum of two years of postdoctoral experience. The Department is expected to develop a vigorous, independent research program. Ample space and start-up funds will be provided. Applicants should submit curriculum vitae, statement of research interests, any information relevant to support the applicant's ability to teach, and the names and addresses of at least three references to: Search Committee B, c/o Dr. Lorne L. Chincarini, Department of Neurobiology and Behavior, State University of New York, Stony Brook, NY 11794-5230. The closing date for applications is November 1, 1992.

SUNY Stony Brook is an Affirmative Action/Equal Opportunity Educator and Employer.

EVOLUTIONARY BIOLOGIST UNIVERSITY OF VIRGINIA

The Department of Biology at the University of Virginia seeks an individual of outstanding promise to fill a new tenure-track ASSISTANT PROFESSOR position in evolutionary biology. The successful candidate will be expected to have an innovative research program and to participate in teaching of graduate and undergraduate students. Mountain Lake Biological Station, a facility of the department, offers research opportunities and college classes in Stanley, VA 22903-2477. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

BAYLOR UNIVERSITY—ORANGE CHEMISTRY FACULTY POSITION. The Department of Chemistry invites applications for a tenure-track faculty position at the ASSISTANT PROFESSOR level, beginning Fall 1993. A Ph.D. in chemistry is required and postdoctoral experience is desirable. The successful applicant will be expected to demonstrate excellence in teaching at both the undergraduate and graduate levels and to establish an independent research program capable of attracting graduate students (M.S. and Ph.D.) and funding start-up costs. Applicants should submit a letter of application, curriculum vitae, including a list of publications, and a description of research interests and goals. Full consideration will be given to candidates who have the following qualifications: equivalent of a Ph.D. in chemistry, teaching experience at the college or university level, and a strong commitment to diversity in the classroom.

To apply, send letter of application, curriculum vitae, and three letters of recommendation to: Professor Stephen L. Ghebre, Department of Chemistry, PB 97348, Baylor University, Waco, TX 76798. The deadline for receipt of all materials is October 25, 1992. Baylor is a Baptist university affiliated with the Baptist General Convention of Texas. An Affirmative Action/Equal Employment Opportunity Employer. Baylor encourages minorities, women and persons with disabilities to apply.

Harvard University ASSISTANT PROFESSOR CELLULAR AND DEVELOPMENTAL BIOLOGY (CDB)

The Department of Cellular and Development Biology intends to make an appointment (entry level) available starting either September 1993 or September 1994. Our department covers a broad range of topics in cellular and molecular biology and molecular genetics. We are seeking outstanding candidates in any of these fields. We strongly encourage applications from women and minority groups. Applications should include a description of the broad range of publications, and a statement of present and future research plans (1-3 pages). Complete applications and three letters of recommendation, solicited by the applicant, should be received no later than October 15, 1992.

CDB Search Committee, Cellular and Developmental Biology, Harvard University, 16 Divinity Avenue, Cambridge, MA 02138; telephone (617) 495-2327. Harvard University is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF PHARMACOLOGY AND TOXICOLOGY—West Virginia University invites applications for a tenure-track position at the Assistant Professor level. Applicants should have a Ph.D. in toxicology, pharmacology, or related discipline and postdoctoral research experience. Research area of particular interest is toxicology/signal transduction, but other areas of cellular and molecular pharmacology/toxicology will be considered. A background and teaching interest in toxicology are also desirable. Research accomplishments and evidence of sustained independent, externally funded research will be prime considerations.

The first cycle of review will begin November 2, 1992. Send curriculum vitae, statement of future research plans, and three letters of reference to: Dr. M. J. Reaser, Department of Pharmacology and Toxicology, West Virginia University, P.O. Box 9223, Morgantown, WV 26506-9223. West Virginia University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

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**Department of Health and Human Services**
Public Health Service
National Institutes of Health
National Heart, Lung, and Blood Institute**

**DIRECTOR**
**DIVISION OF HEART AND VASCULAR DISEASES**

**Opening Date:** August 26, 1992 / **Closing Date:** October 26, 1992
(All applications must be post-marked by the closing date).

The National Heart, Lung, and Blood Institute is recruiting a Director for its Division of Heart and Vascular Diseases. The Director will coordinate the planning, management, and evaluation of a major program of basic and targeted research, clinical trials, and national cardiovascular centers. The Division itself is divided into two major programs, with a staff of approximately 72 employees and a current annual budget in excess of $450 million. Salary range from $90,000 to $104,000 per year depending on qualifications. May be eligible for various bonuses, awards, and allowances.

Mandatory professional/technical qualifications are a medical doctorate, and research and/or clinical experience in the field of cardiology or cardiovascular diseases. Mandatory managerial/executive qualifications include evidence of management of a basic or clinical research program.

Please submit an Application for Federal Employment (SF-171), Curriculum Vitae and Bibliography to:
Susan McGowan, Personnel Management Specialist
Building 31, Room 5A28
National Institutes of Health
National Heart, Lung, and Blood Institute
9000 Rockville Pike
Bethesda, Maryland 20892

Additional information may be obtained from:
Dr. Barbara Packard, Chairman
Director, DHVD Search Committee, on (301) 496-6331.

U.S. Citizenship Required
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**Director**
**Institute of Physical Research and Technology (IPRT)**
**Iowa State University**

Iowa State University is seeking candidates to fill the position of Director of the Institute of Physical Research and Technology (IPRT). The Director, who reports to the Provost, is responsible for administering a variety of centers and programs whose broad mission is to promote interdisciplinary research and technology transfer in the physical sciences and engineering. Responsibilities include coordination among the eleven IPRT centers and the Ames Laboratory (a contract agency funded by the U.S. Department of Energy), as well as coordination with programs administered elsewhere within the university. Among the centers administered by IPRT are the Center for Nondestructive Evaluation, the Center for Advanced Technology Development, and the Iowa Center for Emerging Manufacturing Technologies. The Director of IPRT appoints the directors of IPRT centers and consults with the Provost and President with respect to the appointment of the Ames Lab Director; conducts periodic evaluations of all IPRT programs and recommends their continuance or discontinuance; recommends the establishment of new centers; works with federal, state and private entities to secure funding for the centers; and recommends to the Provost strategies for the development of research and technology transfer related to the IPRT missions.

The successful candidate must possess the Ph.D. in a physical science, engineering or related field. Candidates should have at least three years experience in management of a research program that included several principal investigators, as well as experience with a variety of research funding sources and a record of individual research and scholarship equivalent to that of a senior professor.

Persons wishing to be considered for the position or wanting to nominate a candidate should write to:
Chair, IPRT Director Search Committee
Office of the Provost
Iowa State University
107 Bearder Hall
Ames, Iowa 50011

Applications should include a letter, a complete curriculum vitae, and the names of five references. Review of applications will begin on October 15, 1992, and the position will be available January 1, 1993, or as soon thereafter as the successful candidate is available. Women and minorities are especially encouraged to apply.

Iowa State University of Science and Technology is an affirmative action/equal opportunity employer.
POSITIONS OPEN

FACULTY POSITIONS IN MOLECULAR PHYSIOLOGY
University of North Carolina
at Chapel Hill

The Department of Physiology at the University of North Carolina at Chapel Hill (UNC-CH) invites applications for two tenure-track faculty positions at the ASSISTANT PROFESSOR level. M.D., Ph.D., M.D./Ph.D. candidates with a Ph.D., M.D. or the equivalent degree and at least two years of postdoctoral experience are sought. Applicants are sought who will establish vigorous research programs investigating physiological processes at the molecular level and participate effectively in the department's graduate and medical student teaching programs. To complement existing strengths in neuropharmacology and neuroscience, the nervous, cardiovascular, or endocrine systems will be given special consideration, although outstanding applicants working effectively in other areas will also be considered. Send complete curriculum vitae, a brief description of research interests and the names, addresses, and telephone numbers of three references to: Stanley G. Frohman, Chairman, Department of Physiology, University of North Carolina, Chapel Hill, NC 27599-7145. UNC-CH is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply.

ASSISTANT PROFESSOR, Wildlife/Natural Resources Systems Ecologist
Entry level position in wildlife science/ecology with emphasis on systems modeling. Tenure-track, 12-month position; Ph.D. required. Must have experience in obtaining, publishing research results, interdisciplinary cooperation, working with public and private sectors and community. Salary: Above an assistant professor. Initial appointment about 70% research and 30% teaching (about the equivalent of three, 5-credit courses per year). Send letter of application; resume; list of publications; unofficial transcript; and names, addresses and telephone number of three references to: Dr. Richard A. Cole, Search Committee Chairman, Box 30003, Department of Natural Resources and Environment, University of Michigan, Ann Arbor, MI 48109-3003. Telephone: (313) 763-4069 by October 31, 1992. NMSU is an Equal Employment Opportunity/Affirmative Action Employer.

POSITIONS IN EXPERIMENTAL PSYCHOLOGY AT DUKE UNIVERSITY

The Department of Experimental Psychology of DUKE UNIVERSITY has a non-tenure-track ASSISTANT RESEARCH PROFESSOR position beginning in the area of experimental and theoretical animal learning. This three-year appointment is renewable for an additional two years. Duties include a regular teaching schedule and collaboration with Professor John E. R. Staddon's research group. Applicants should have an A.B. or M.A. at least 4 years experience, four or fewer previous teaching assignments, and names of three references to: Dr. J.E.R. Staddon, Department of Experimental Psychology, Duke University, Durham, NC 27708 by December 1, 1992. Duke is an Equal Opportunity/Affirmative Action Employer.

BIOCHEMISTRY TENURE-TRACK POSITION
The Department of Chemistry at the College of William and Mary is seeking applications for a tenure-track appointment with the rank of ASSISTANT PROFESSOR beginning Fall 1993. The permanent position is made possible by a grant from the Howard Hughes Medical Institute for program development in biochemistry and molecular biology. The successful applicant must possess a Ph.D., the ability and sustained desire to conduct research with advanced undergraduates and Master's students, and the competence and interest in developing and teaching courses in biochemistry. Postdoctoral experience is highly desirable. The College of William and Mary is a state-supported institution with a highly diverse undergraduate population. The College has a tradition of substantial extramural research funding. Applicants should send a resume, transcripts, and a description of research interests and plans, and should arrange to have two or more of these three letters of reference sent to: Professor S.K. Knudson, Chair, Department of Chemistry, College of William and Mary, Williamsburg, VA 23187-8795. Review of applications will begin October 19, 1992 and will continue until the position is filled. The College of William and Mary is an Affirmative Action/Equal Opportunity Employer which welcomes and encourages applications from women and minorities.

POSITIONS OPEN

FACULTY POSITION IN MEDICINE (CARDIOLOGY/PHYSIOLOGY)
CASE WESTERN RESERVE UNIVERSITY

The Departments of Medicine (Cardiology) and Physiology and Biophysics invite applications for tenured-track positions at the ASSISTANT PROFESSOR level. M.D., M.D./Ph.D. or Ph.D. candidates with a Ph.D., M.D. or the equivalent degree and at least two years of postdoctoral experience are sought. Applicants are sought who will establish vigorous research programs investigating physiological processes at the molecular level and participate effectively in the department's graduate and medical student teaching programs. To complement existing strengths in cardiovascular, endocrine, and neuroscience, the nervous, cardiovascular, or endocrine systems will be given special consideration, although outstanding applicants working effectively in other areas will also be considered. Send complete curriculum vitae, a brief description of research interests and the names, addresses, and telephone numbers of three references to: Stanley G. Frohman, Chairman, Department of Physiology, University of North Carolina, Chapel Hill, NC 27599-7145. UNC-CH is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply.

FACULTY POSITION

The Department of Biochemistry at UMDNJ—Robert Wood Johnson Medical School invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. Candidates should have a Ph.D., M.D. or M.D./Ph.D. degree and postdoctoral research accomplishments in molecular and/or cell biology, neuroscience, developmental biology, or related fields. The candidate is expected to develop, in collaboration with Dr. J.E.R. Staddon, a vigorous research program, in addition to teaching medical and graduate curricular projects, and to demonstrate the potential to develop strong, independent research programs in newly built state-of-the-art facilities, with the potential to expand the research community. A Ph.D. degree and a three-year postdoctoral position are required. Initial appointment is 30% research and 70% teaching. This appointment is renewable for two years. Send letter of application, curriculum vitae, a statement of research accomplishments and plans, and a 3-page letter to: Dr. Malcolm P. Mendelsohn, Department of Biochemistry, UMDNJ—Robert Wood Johnson Medical School, 675 Hoes Lane, Piscataway, NJ 08854-5635. UMDNJ-NJ's University of the health sciences, is an Affirmative Action/Equal Employment Opportunity Employer, M/F/H/V, and a member of the University Health System of New Jersey.

UMD New Jersey

UNIVERSITY OF FLORIDA COLLEGE OF MEDICINE
DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

A tenure-track ASSISTANT PROFESSOR position is open for applicants having a Ph.D. and/or M.D. degree with at least two years of postgraduate experience. The successful candidate will be expected to develop an independent research program, teach professional and graduate students, and contribute to other academic activities, such as the research, salary and laboratory start-up package. The Department is interested in strengthening research in neuropsychopharmacology and molecular biology. Applicants with advanced research accomplishments and publications, and candidates with strong scientific credentials are encouraged to apply. Application deadline is October 31, 1992. Applications including names of three referees should be sent to: Dr. Fulton T. Crews, Chairman, Search Committee, University of Florida, Department of Pharmacology, P.O. Box 100267, Gainesville, FL 32610. The University of Florida is an Equal Opportunity Employer and specifically invites and encourages applications from women and minorities.

EXPERIMENTAL PATHOLOGIST—IMMUNOLOGIST
ASSISTANT OR ASSOCIATE PROFESSOR

Tenure-track position at the University of Florida Health Science Center beginning March 1, 1993. Applicants should have a Ph.D. degree, M.D., Ph.D. degrees and evidence of research accomplishment in molecular pathology, immunology, or related disciplines. The successful candidate will be expected to establish an independent research program and contribute to graduate and professional student teaching. Send curriculum vitae and the names of three referees to: Dr. John E. Blixt, University of Florida Health Science Center, P.O. Box 100267, Gainesville, FL 32610. The University of Florida is an Equal Opportunity/Adverse Action Employer.

ASSISTANT PROFESSORSHIP—The Department of Veterinary Microbiology, College of Veterinary Medicine, University of Missouri—Columbia has an immediate opening for a full-time tenure-track position at the rank of Assistant Professor. The Department focuses on biotechnology and contemporary immunologic technology for controlling infectious diseases of veterinary, zoonotic, and comparative medical importance. The Department collaborates with campus researchers in molecular biology, medicine, agriculture, and biological sciences.

Requires a Ph.D. molecular virologist. D.V.M. degree is preferred. Applications will be reviewed beginning November 1, 1992, and will be accepted until suitable candidates are identified. Salary negotiable. Send curriculum vitae and addresses of three references, and a statement of professional goals to: Dr. James G. Thorne, Chair, Search Committee, Department of Veterinary Microbiology, College of Veterinary Medicine, University of Missouri—Columbia, Columbia, MO 65211. Telephone: (816) 882-6500 The University of Missouri is an Affirmative Action/Equal Opportunity Employer/Educator.

ASSISTANT PROFESSOR
Biochemistry, Cell and Molecular Biology
Dartmouth Medical School

The Department of Biochemistry at Dartmouth Medical School is seeking qualified candidates for a tenure-track assistant professor position. The successful candidate will be recruited as Chair-designate, is recruiting an Assistant Professor. Consideration will be given to outstanding individuals who work within the broad areas of biochemistry, cell and molecular biology, including molecular genetics, neurobiology and developmental biology. The successful candidate will be expected to establish an independent research program, to participate in the graduate program, and to become a member of a well-established multidisciplinary graduate program. Candidates should have a Ph.D. or M.D. degree with postdoctoral experience.

Please send curriculum vitae and statement of research goals, and arrange for three letters of recommendation to be sent to: Dr. Michael L. Casdeman, Chairman, Dartmouth Medical School, Box 650, Hanover, NH 03755-3844. Fax: 603-650-1128. Review of applications will begin November 15, 1992. Dartmouth is an Equal Opportunity/Affirmative Action Employer.

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**POSTDOCTORAL POSITIONS**
**BOSTON UNIVERSITY**
**COLLEGE OF ENGINEERING**
**BIOENGINEERING DEPARTMENT**

Several postdoctoral positions are available through the college, department, and individual research programs. The College and Departmental positions are scheduled to begin July 1, 1993 and may be with any of the department's full time faculty in the following laboratories and affiliated Centers:
- Fields and Tissues Lab (Eisenberg)
- Hearing Research Labs (Carney, Colburn, Hubbard, Mountain, Voigt)
- Intelligent Systems Lab (Vaia)
- Molecular Engineering Lab (DelLi, Vajda)
- Respiratory Research Labs (Fodenpelt, Jackson, Lutchen, Stamenovic)
- Biomedical Engineering Research Center (T. Smith)
- Biotechnology Center (Cantor, C. Smith)
- NeuroMuscular Research Center (De Luca, Merletti, Ladin).

The following positions are available immediately:
- Auditory Neurophysiology Laboratory (P. Voigt, T. Benson) structures/function relations in cochlear nucleus; multiple-unit and intracellular studies
- Field and Tissues Laboratory (S. Eisenberg) finite element analysis of magnetically induced electric fields in the heart and thorax
- Molecular Engineering Lab (C. DelLi) biomolecular engineering/computation of protein and DNA structure and function
- NeuroMuscular Research Center (C. De Luca, J. Collins, S. Roy)

(2 positions) to study the neural control and biomechanics of posture and locomotion; to study the relationship between muscle fiber type and electromyography.

Send curriculum vitae and the names of three references by November 1, 1992 for positions starting July 1, 1993 and as soon as possible for positions available immediately to: H.F. Vogt, Ph.D. Chairman, Biomedical Engineering, Boston University, College of Engineering, 44 Cambridge, MA 02125

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**STUDY DIRECTOR**
**ACUTE TOXICOLOGY**

The toxicology facility of Miles, Inc. located near Kansas City is currently searching for a toxicologist to serve as the Study Director for Acute Toxicology. Responsibilities include:
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- Evaluation of toxicology data for product safety
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Successful candidates must have earned their Doctorate in Toxicology in related fields during 1990 through 1992. Miles Inc. offers a comprehensive benefit package including relocation. Send resume and salary history to: Cheri Simons, c/o Miles Inc., P.O. Box 4813, Kansas City, MO 64120.

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This position will afford the opportunity to study the pharmacological regulation of cartilage turnover as it relates to the development of drugs for the treatment of arthritis.

The qualified candidate will have a Ph.D. in Cell Biology, Pharmacology, Biochemistry or a related discipline and 1-3 years of postdoctoral experience. Laboratory experience in the area of connective tissue metabolism, familiarity with in vitro test systems used to study the turnover of the extracellular matrix; and the ability to interact effectively with coworkers and participate in a team effort are essential.

As a reflection of the significance we place on this position, we have created a highly competitive and comprehensive compensation package. Please send resume, including present salary (those without this information will not be considered) to: Mrs. Eleanor Malone, Staffing Department EM152JC, Hoffmann-La Roche Inc., Nutley, New Jersey 07110-1199. We are an equal opportunity employer.

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**RESEARCH OPPORTUNITY FOR MEDICAL STUDENTS**
**HHMI-NIH RESEARCH SCHOLARS PROGRAM (CLOISTER PROGRAM)**

Applications are now being accepted for the 1993-94 class of the Howard Hughes Medical Institute (HHMI)-National Institutes of Health (NIH) Research Scholars Program.

The Program is a joint venture of the Howard Hughes Medical Institute and the National Institutes of Health, and provides an opportunity for U.S. medical students to spend a year in laboratory research at the NIH. Upon arrival in Bethesda, Maryland, scholars choose a basic science research project, selecting from among 280 research laboratories and 1,100 scientists.

Scholars are employees of HHMI and are housed at The Cloister, a residence on the NIH campus. The annual salary is $16,800, plus health insurance and other fringe benefits.

The applicant must be a U.S. citizen or permanent resident attending a medical school in the United States or Puerto Rico and must not be enrolled in an M.D.-Ph.D. program.

Deadline for applications is January 11, 1993. Students will be notified of results by April 1, 1993. The program year will begin in the summer of 1993.

Brochures and application kits are available in the student affairs office of medical schools; they may also be obtained by writing or calling:

Howard Hughes Medical Institute
One Cloister Court, Dept S
Bethesda, MD 20814-1460
Telephone: (301)951-6710 or (800)424-9924

The Howard Hughes Medical Institute, an Equal Opportunity Employer, welcomes applications from all qualified candidates and encourages women and members of minority groups to apply.
EVLUTIONARY PLANT ECLOGIST

The Department of Biological Sciences anticipates a full-time tenure-track faculty appointment at the ASSISTANT PROFESSOR level within the area of evolutionary plant ecology beginning September 1993. Outstanding applicants at a more senior level are also encouraged to apply. Salary will be competitive. Applicants must have a Ph.D. and extensive postdoctoral experience. Applicants interested in life history evolution, population ecology, reproductive ecology, molecular evolution, community, plant/animal interactions, or community ecology are especially encouraged to apply. The successful candidate will be expected to establish an externally funded research program, train graduate students, and participate in undergraduate education. The individual will also be expected to contribute to the expanding research program at the Department's Plant Evolution Laboratory. In order to ensure full consideration, applications must be received by December 11, 1992. Applicants should send curriculum vitae, list of research interests and goals, and arrange to have at least three letters of reference sent to:

Dr. William Seary
Plant Ecology Search Committee
Department of Biological Sciences
University of Pittsburgh
Pittsburgh, PA 15260
Telephone: 412-624-6206
The University of Pittsburgh is an Equal Opportunity/Affirmative Action employer. Women and minorities are especially encouraged to apply.

ASSISTANT PROFESSORS

University of North Carolina at Chapel Hill
Lineberger Comprehensive Cancer Center
The Program in Molecular Biology & Biotechnology

As part of the expansion of the Program in Molecular Biology & Biotechnology and the Lineberger Comprehensive Cancer Center we are seeking investigators using mammalian or viral systems to study fundamental problems in regulation of biological processes at the molecular level. We are particularly interested in candidates studying signal transduction, control of gene expression; protein-nucleic acid interactions; developmental biology; tumorigenesis or signal transduction. Successful applicants are expected to develop an independent interdisciplinary research program which would complement existing strong programs in yeast cell-cycle regulation, mammalian genetics, gene expression, and growth regulation. These will be tenure-track positions with the department determined by the applicant's training and interests. Applications are requested by December 1, 1992 to:

Dr. William Marzluff
University of North Carolina at Chapel Hill
Program in Molecular Biology & Biotechnology
CB #1700, 132 MBRR
Chapel Hill, NC 27599-7100

The University of North Carolina at Chapel Hill is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ASSOCIATE PROFESSOR OF BIOLOGY

The University of Texas at San Antonio (UTSA)

Applications are invited for a tenure-track faculty position at the Associate Professor level. Requirements include a Ph.D. degree, postdoctoral experience, a commitment to teaching, and demonstrated research accomplishments appropriate for the rank of Associate Professor. The department has areas: Immunology, Virology, Molecular/Cell Biology or Computational Neurobiology. Emphasis will be placed on selecting an outstanding individual with research interests relevant to the mission of the Division. Set-up funds and laboratory space are available. The Division of Life Sciences offers the B.S. and M.S. in Biology, an M.S. in Biotechnology and a Ph.D. in Biology.

To apply, send curriculum vitae and a letter of application describing research interests, and have three references sent to:

Dr. Robert L. J. Claiborne, Chair, Associate Professor Search Committee, Division of Life Sciences, The University of Texas at San Antonio, San Antonio, Texas 78249-1604. Initial screening of candidates will begin on November 2, 1992. Applications will be accepted until November 30, 1992.

The University of Texas at San Antonio is an Equal Opportunity/Affirmative Action Employer. Minorities and women are especially encouraged to apply.

POSITIONS OPEN

NEUROSCIENCE/CELL BIOLOGY

Two ASSOCIATE/ASSOCIATE PROFESSOR positions in Neuroscience/Cell Biology are available, LSU Medical Center, New Orleans. A Ph.D. and two to three years postdoctoral experience are required. Applicants must have an outstanding performance record and potential. Salary levels are competitive, with ample space and startup funds. Joint appointments in the Neuroscience and LSU Foundation's Institute of Neurology are available. Interested applicants should submit curriculum vitae, research interests, and names of three references to:

Dr. R. Ranney Mize, Head, Department of Anatomy, LSU Medical Center (LSUMC), 901 Perdido Street, New Orleans, LA 70112-1393. LSUMC is an Equal Opportunity/Affirmative Action Employer.

DEVELOPMENTAL BIOLOGY FACULTY POSITIONS

The Department of Cell Biology at the Duke University Medical Center is planning an expansion of its faculty in the field of Developmental Biology. Interactive scientists with a strong research commitment and interests in the cellular and molecular basis of development in vertebrate and invertebrate model systems are encouraged to apply. Focus should be on strategies designed to elucidate cellular and molecular mechanisms of development. Appointments will likely be at the level of ASSISTANT PROFESSOR. Please send a detailed curriculum vitae, a list of three references and a brief description of research interests to:

Michael P. Sheets, Chairman
Department of Cell Biology
Duke University Medical Center, Box 3709
Durham, NC 27710

Priority will be given to those applications received by December 1, 1992. Duke University is an Equal Opportunity/Affirmative Action Employer.

REPRODUCTIVE ENDOCRINOLOGY

The Department of Physiology at the University of Maryland School of Medicine invites applications for a tenure-track position at the ASSISTANT OR ASSOCIATE PROFESSOR levels. We are seeking candidates with cellular and molecular training in female reproductive endocrinology/neuroendocrinology. Applicants must have a Ph.D. or M.D., at least two years of postdoctoral experience, and the potential to develop a strong, independent research program. Teaching responsibilities include participation in medical and graduate courses. The Department of Physiology and School of Medicine provide a stimulating environment for research. Interdisciplinary programs in Reproductive Biology, Molecular and Cell Biology, Membrane Biology, Cardiovascular Biology, and Neuroscience promote interaction between faculty, fellows, and students. The position will join the Center for Reproduction and other programs of interest, and participate in the NIH-sponsored Reproductive Biology Training Program. Applicants should submit (1) curriculum vitae, (2) statement of research interests, experience and plans, and (3) names of three references to: Robert D. Koo, Ph.D., Chair, Reproductive Endocrinology Search Committee, Department of Physiology, University of Maryland School of Medicine, 655 West Baltimore Street, Baltimore, MD 21201. Review of applications will begin October 1, 1992. Women and minority candidates are especially encouraged to apply. The University of Maryland is an Equal Opportunity/Affirmative Action Employer M/F/H/V.

THE DEPARTMENT OF CHEMISTRY, INDIANA UNIVERSITY invites applications for tenured positions at the rank of ASSISTANT PROFESSOR or higher. Outstanding, established teacher-scholars are sought who can contribute to and complement those in the current staff. The positions are to be occupied in the academic year 1993-94. Applicants should submit curriculum vitae and a list of publications to: Professor Paul A. Greco, Department of Chemistry, Indiana University, Bloomington, IN 47405. Minority and female applicants are encouraged to apply. The deadline for receipt of applications is November 1, 1992. Indiana University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

The recently formed Department of Microbiology and Molecular Genetics at The University of Texas Medical School at Houston, invites applications at the ASSISTANT PROFESSOR level for one or more tenure-track faculty positions. Areas of interest include but are not restricted to the following: prokaryotic and lower eukaryotic genetics, physiology, molecular biology, cell signalling, development and function; viral gene expression and replication control; transcriptional analyses and RNA processing. Candidates are expected to have the Ph.D. and/or M.D. degree, and postdoctoral research experience. Emphasis will be placed upon the ability of the candidate to develop a strong, independent, and nationally competitive research program. Successful applicants will be expected to teach medical students and graduate students. Please send curriculum vitae and statement of teaching and research interests as well as the names of four references to:

Dr. Samuel Kaplan, Microbiology and Molecular Genetics, The University of Texas Medical School at Houston, P.O. Box 20708, Houston, TX 77225. For full consideration please respond by December 15, 1992.

The University of Texas Health Science Center at an Equal Opportunity Employer. Women and Minorities are encouraged to apply.

TENURE-TRACK FACULTY POSITIONS

Massachusetts Institute of Technology Department of Biology

Applicants are sought for several tenure-track faculty positions at the level of ASSISTANT PROFESSOR. Applicants should have significant research accomplishments, the ability to establish and maintain a vigorous research program, and a commitment to excellence in education at the undergraduate and graduate levels.

- Two positions in the areas of cellular, molecular and genetic approaches to nervous system function and development.
- One position in the biology of modern, molecular, or structural biology.

Candidates should provide curriculum vitae, a summary of research accomplishments and proposed research, and copies of key publications or preprints. Applicants should arrange that at least three letters of recommendation be sent from scientists who can evaluate their accomplishments and future potential for research and teaching. Applications should be sent to:

Biology Search Committees
Attn: Marilyn T. Smith
Massachusetts Institute of Technology
Building 56-511
77 Massachusetts Avenue
Cambridge, MA 02139

M.I.T. is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are especially encouraged to apply.
NEUROGEN CORPORATION
RESEARCH ASSOCIATES

OPPORTUNITIES IN DRUG DISCOVERY,
ELECTROPHYSIOLOGY AND PHARMACOLOGY

NEUROGEN CORPORATION, a young dynamic company in the field of neuroscience, is currently expanding its staff in Drug Discovery, Pharmacology and Electrophysiology. Neurogen scientists are developing novel therapeutics for neurological and psychiatric disorders.

DRUG DISCOVERY
The successful candidate will use in vitro pharmacological and biochemical techniques to assess binding affinities and functional potencies of novel compounds in the CNS. A B.S. or M.S. (or equivalent) is required. Previous experience performing receptor binding and/or second messenger enzyme assays is preferred.

PHARMACOLOGY
Neurogen-synthesized drugs will be examined in in vitro and in vivo models designed to predict clinical effects in humans. A B.S. or M.S. degree (or equivalent) with a background in neuroscience, experimental design and the desire to work with laboratory animals (rodents) are prerequisites.

ELECTROPHYSIOLOGY
This position involves using electrophysiological techniques for preclinical research into the actions of novel compounds targeted as hypnotics, anxiolytics and antipsychotics. A B.S. or M.S. degree (or equivalent) is required. Experience in the use of electrophysiological recording techniques is preferred.

NEUROGEN is located in Branford, Connecticut, close to New Haven. We offer a stimulating intellectual environment and state of the art laboratory facilities. Neurogen has a comprehensive compensation program consisting of competitive salary, equity participation, 401(K) plan, health and medical programs, as well as relocation assistance.

Interested candidates should send resumes with a cover letter indicating position of interest, to Director of Human Resources (Science), Neurogen Corporation, 35 N.E. Industrial Road, Branford, CT, 06405.

Neurogen is an Affirmative Action/Equal Employment Opportunity Employer.

DEAN OF
THE SCHOOL
OF SCIENCE

Saint Mary's College of California seeks a colleague and leader who will build upon a record of success and guide the School of Science to its next level of academic excellence. With strong institutional support, this Dean will facilitate the development of an outstanding and nationally acknowledged program of undergraduate science and mathematics education.

As the chief academic officer of the School of Science, the Dean will demonstrate vision, leadership, energy, and an intense commitment to the pursuit of ideas and academic excellence in science education. The successful applicant will have an earned doctorate; a distinguished record of teaching and active scholarship commensurate with the rank of Associate or Full Professor; and experience as an effective academic administrator.

Saint Mary's College is a Catholic, selective, coeducational, comprehensive college of about 3,500 students, 2,200 of whom are undergraduates. Operated by the Christian Brothers, it is located 21 miles east of San Francisco. The School of Science is a vigorous and growing academic unit with a faculty of 44 (28 full-time/7 FTE part-time) representing the disciplines of Biology, Chemistry, Physics, and Psychology.

Please send nominations or application letter, along with curriculum vitae, names, addresses, and telephone numbers of at least five references, and relevant supporting materials to: Dr. William J. Hynes, Academic Vice President, P.O. Box 4257, St. Mary's College, Moraga, CA 94575; (510) 631-4406. Salary and rank dependent on exp. & qualifications. Consideration of completed applications will begin in mid-October 1992 and continue until the position is filled. Committed to diversity and an Equal Opportunity Employer, the College encourages women, people of color, Christian Brothers, disabled individuals & veterans to apply.

IMMUNOLOGY FACULTY POSITIONS
SLOAN-KETTERING INSTITUTE
FOR CANCER RESEARCH

Tenure-track positions at the Assistant or Associate Member levels are available in the Immunology Program at the Sloan-Kettering Institute. Candidates with an interest in the molecular, biochemical, and functional aspects of lymphocyte receptors and antigens will be given preference. Candidates should have a successful record of research achievements in immunology and the ability to develop a strong, independent research program. The Immunology Program has an active and expanding faculty whose research interests encompass cellular immunology, histocompatibility, transplantation, immunogenetics, immunochemistry, gene regulation, and tumor immunology. Interactions with other members of the Immunology Program and with the other programs in the Institute (Molecular Biology; Cell Biology and Genetics; Molecular Pharmacology; and Cellular Biochemistry and Biophysics) are encouraged. Graduate school affiliation with Cornell Medical College is possible. An attractive start-up package will be provided for the investigator to establish or re-establish his/her laboratory.

Applicants should send a Curriculum Vitae, bibliography, statement of research interests and names of three references to:

Dr. Kenneth O. Lloyd,
Chairman, Immunology Program
Sloan-Kettering Institute
1275 York Avenue
New York, NY 10021

SKI is an affirmative action, equal opportunity employer.
POSITIONS OPEN

EXERCISE MOLECULAR BIOLOGIST

ASSISTANT PROFESSOR. The College of Kinesiology at the University of Illinois at Chicago invites applications for a tenure-track position in exercise molecular biology beginning Fall 1993. Candidates should have a Ph.D. and extensive experience using transgenic mice to study problems associated with exercise and development. Applicants should have a strong background in molecular biology and a minimum of 3 years of postdoctoral training in molecular biology with clear potential to develop a productive research program and the ability to be an effective teacher. Interested individuals should send curriculum vitae and three letters of recommendation to Dr. John P. N. Roscaza, Director of Biocatalysis and Bioprocessing, CBB, Department of Chemistry, University of Illinois at Chicago, 802 West Roosevelt Road, Chicago, IL 60608-1516. The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.

PHYSIOLOGICAL ECOLOGIST

The Department of Biological Sciences, Dartmouth College, invites applications for a tenured position in Physiological Ecology, to begin Fall 1993, as the ASSISTANT or possibly ASSOCIATE PROFESSOR level to apply in the field of ecological physiology of plants, animals, or plant-animal interactions in terrestrial environments. Research should be at the organismal level, but directed towards understanding patterns or processes of community, or ecosystem levels. Individuals addressing fundamental research questions and/or questions relevant to environmental issues are encouraged to apply. The successful candidate will be expected to establish a vigorous, externally-funded research program and to teach at the undergraduate and graduate levels.

Salary: (319) 645-7000; Fax: (319) 645-7001. Applications should include a letter of application, curriculum vitae, and five letters of recommendation. Review of applications will begin on December 1, 1992. Send applications to: Biological Sciences, Dartmouth College, 6044 Gilman, Hanover, NH 03755-3767. FAX: (603) 646-1437. Review of applications will begin on December 1, 1992. Dartmouth is an Equal Opportunity/Affirmative Action Employer. Women and individuals from diverse racial, ethnic, and cultural backgrounds are encouraged to apply.

HEMATOLOGY FACULTY POSITION—ASSISTANT/ASSOCIATE PROFESSOR. Hematology Section at Boston University Medical Center. We are seeking an M.D. or Ph.D., whose primary responsibility will be to maintain an active research program addressing basic issues in cell differentiation, immunology, hemostasis, coagulation or genetic regulation. Minimal clinical and teaching duties. Send curriculum vitae and three letters of recommendation to: Dr. Robert Schommer, CBB, Room 432, CBB, Boston University Medical Center, 800 Harrison Avenue, Boston, MA 02111. Telephone: 617-638-7002, FAX: 617-638-7065.

ASSISTANT/ASSOCIATE PROFESSOR—GIS IN NATURAL RESOURCES, School of Agriculture and Land Resources Management, University of Alaska Fairbanks (UAF). Salary: $1,490/week per diem. Ph.D. in Geography, Foresty, Landscape Ecology, Natural Resources Management, Spatial Statistics, or a related field required. UAF offers a multitude of existing research programs for a person with new opportunities in the area of GIS applications for natural resource management. A position is available immediately as an Assistant Professor tenured at the rank of Assistant Professor. Send application, curriculum vitae, and three letters of recommendation to Joel W. Northrop, School of Agriculture and Natural Resources, University of Alaska Fairbanks, AAB 116, Fairbanks, AK 99775-2000, or Telephone: 907-474-7111. FAX: 907-474-7203. University of Alaska Fairbanks is an Affirmative Action/Equal Opportunity Employer.

STOCKHOLM UNIVERSITY

FULL PROFESSORSHIP IN THEORETICAL CHEMISTRY

Stockholm University invites applications for a newly-created position as professor in theoretical chemistry. The position will be located within the department of chemistry, in the Arthurin Laboratories for research in chemistry and life sciences. It will include responsibility for formulating and leading a graduate research program in theoretical chemistry. Applicants should have an outstanding record of research achievements in the field of theoretical chemistry, defined in the broadest possible sense. Applications are intended to be made to professor Jozef Kowalski, tel. +46-8-162376, fax +46-8-152187, e-mail JK@PHYHSC.SU.SE.

The city of Stockholm has almost one million inhabitants and is a major cultural and scientific centre. It enjoys a unique location on the edge of an archipelago of over ten thousand islands.

Applications should be sent before October 15, 1992 to the Registrar, Stockholm University, Svante Norling, Sveavagen 65, S-106 91 Stockholm, Sweden, quoting the reference number 611-483/92. The following items should be included (all in four copies): 1. curriculum vitae, 2. bibliography, 3. brief description of the scientific achievements and teaching experience (5–10 pages), 4. all scientific papers (numbered according to the bibliography). Item 1 should reach the university by October 15, 1992. Please send only one copy of item 4 and one copy of item 4 should arrive before November 5, 1992. The three additional copies of item 4 are to be sent at a later date directly to the expert members of the search committee.

Positions Open

The Department of Biomedical Sciences, Southern Illinois University School of Dental Medicine is seeking applicants for a full-time, continuing, tenure-track position at the ASSISTANT/ASSOCIATE PROFESSOR level, Section of Pharmacology and Therapeutics. We are seeking individuals with a background in pharmacology or combined Ph.D./D.M.D. or D.D.S. is required. The candidate will have the responsibility of teaching pharmacology and the ability to secure extramural support and is expected to pursue an active, fundable research program. Position available July 1, 1993. Applications accepted until January 15, 1993. Send curriculum vitae with names and addresses of three references. Application deadline November 1, 1992.

UNIVERSITY OF VERMONT

Molecular/Cellular Physiologist

The Department of Physiology and Biophysics seeks a tenure-track faculty member at the level of ASSISTANT OR ASSOCIATE PROFESSOR. The Department has strengths in the following aspects of muscle physiology: 1) Contraction and motility; 2) Ion channel and transport function; 3) Cellular growth and remodeling. We are interested in hiring an innovator in molecular biological techniques to the study of physiological function. Candidates for Assistant Professor must have an earned doctorate, plus two or more years of postdoctoral experience. We seek applicants who have demonstrated the potential to develop an active independent research program and to contribute effectively to department teaching at both graduate and undergraduate levels. Applicants at the Associate Professor level must have demonstrated excellence in teaching and their ability to direct and sustain vigorous and productive research programs. The University of Vermont is an Equal Opportunity/Affirmative Action Employer. Women and individuals from diverse racial, ethnic, and cultural backgrounds are encouraged to apply.

Applications should be sent with a description of career goals, research objectives, and names of three references, by November 15, 1992, to:

Chair, Faculty Search Committee
Department of Physiology & Biophysics
University of Vermont College of Medicine
Burlington, VT 05405-0060

PROFESSOR OR ASSISTANT PROFESSOR

Section of Cell Growth, Regulation and Oncogenesis, Duke Comprehensive Cancer Center, Duke University Medical Center. Applications invited for a position at the level of either Professor or Assistant Professor in the Section of Cell Growth, Regulation and Oncogenesis. Research within the Section is focused on the genes and biochemical pathways that regulate cell growth and the molecular analysis of the disruption of such controls in cancer cells. Investigators working at the molecular level on signal transduction, oncogenes/anti-oncogenes, angiogenesis, metastasis and apoptosis are especially encouraged to apply. Applicants seeking a tenured professorship must have distinguished records of accomplishments and be internationally recognized as a leader in innovative research. Applicants seeking a tenure-track assistant professorship must have a doctorate, at least two years of postdoctoral training and must have demonstrated high potential for independent research. Successful candidates will also be appointed into a basic science department within the Medical Center. Applicants are encouraged to provide in their application a single page letter expressing interest, curriculum vitae and list of publications. All inquiries will be held in confidence. Applications for an assistant professorship should send curriculum vitae, a brief description of present and proposed research and arrange for three or more letters of recommendation to be forwarded to: Dr. Robert M. Bell, Head, Section of Cell Growth, Regulation and Oncogenesis, Duke Comprehensive Cancer Center, Box 35868, Durham, NC 27710. To be assured of full consideration, the application should be received by October 23, 1992. Duke University 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.

MOLECULAR BIOLOGIST

Environmental Professionals Join a Dynamic Team

The Carlsbad Environmental Monitoring & Research Center was established in 1991 as an independent, world-class, research facility for the study of health and environmental impacts associated with technological development. The first major activity managed by the Center is the Carlsbad Environmental Monitoring and Research Program (CEMRP). The mission of the CEMRP is to initiate and maintain an independent, state-of-the-art, environmental monitoring and research program in the vicinity of the Waste Isolation Pilot Plant (WIPP) and make the results easily accessible to all interested parties.

These challenging times require innovative environmental solutions. Join the Center team and turn your ideas into reality. The Center is now hiring senior scientists in the following areas:

- ENVIRONMENTAL PROGRAMS MANAGEMENT - Duties include: lead responsibility for the management of the CEMRP, coordinate research efforts, assist in development of integrated program management plans, manage a multi-disciplinary staff of scientists and engineers participating in the CEMRP, subcontract administration, and business development. Qualifications: M.S. or Ph.D. in Radiochemistry, Health Physics, Environmental Chemistry or related field, with a minimum of 5 years experience managing large environmental programs.
- INTERNAL DOSIMETRY - Duties include: develop and implement internal dosimetry program; supervise laboratory operations; establish procedures; implement research program. Qualifications: Ph.D. in Radiochemistry or Health Physics, with a minimum of 5 years of laboratory experience.
- RADIOCHEMISTRY - Duties include: develop and implement radiochemistry program; supervise laboratory operations; implement research program; establish procedures for sample collection and analyses. Qualifications: Ph.D. in Radiochemistry, with a minimum of 5 years of laboratory experience.
- ENVIRONMENTAL CHEMISTRY - Duties include: develop and implement environmental chemistry program; supervise laboratory operations; implement research program; establish procedures for sample collection and analyses. Qualifications: Ph.D. in Environmental Chemistry or Radiochemistry, with a minimum of 5 years of laboratory experience.

Employment is contingent on the availability of funding, and salary is negotiable, depending on education and experience. Applications will be accepted until all positions are filled. In addition, we are expecting openings for environmental professionals at all levels of training and experience. Please send résumé to: Dr. Donald J. Fingleton, Director; Carlsbad Environmental Monitoring & Research Center; 800 West Pierce; Carlsbad, NM 88220.

New Mexico State University is an EEO/AA employer.
MANAGER
TECHNOLOGY DEVELOPMENT

We are a well-established, Cincinnati-based, private company which invests in, develops and manages technology ventures.

As a key member of the Medical Technology Group, you will report directly to the Director of Medical Technology and play a lead role in identifying, selecting, acquiring and managing medical technology research projects in university medical research institutions and other sources of emerging technology. You will also monitor technology developments in areas of strategic interest to the firm as well as evaluate equity investments from a technology perspective for the organization. The projects you manage will have substantial capital backing and management support services available.

If you are the person we seek, you have direct experience in biomedical device and instrumentation development, technology licensing, intellectual property management and patent strategy; you are a broadly knowledgeable individual with the intellectual curiosity, confidence and capability to identify, synthesize and communicate the key elements and status of any physical and life sciences technology; you have a knowledge of regulatory requirements, with strong ties to medical research communities. You have distinguished academic and professional accomplishments which amply demonstrate your exceptional management and technical capabilities.

If this sounds like your professional profile, we would like to talk to you about an exceptional opportunity to fully apply your unique capabilities in an attractive, knowledge-based environment as part of a creative management team.

We have an excellent compensation and benefits package awaiting the right person. Please contact our consultant with a letter and resume in confidence: L. Christine Vsnich, Dept. S-06; Bason Associates, Inc., 401 Crescent Ave., Cincinnati, OH 45215.

DEAN, COLLEGE OF MEDICINE
THE UNIVERSITY OF IOWA

The University of Iowa seeks candidates for the position of Dean of the College of Medicine. The Dean reports to the Vice President for Health Sciences, is spokesperson for the faculty of the College, and represents the College in interactions with practitioners throughout the state. Responsibilities of the Dean include faculty recruitment and appointments; educational, clinical and research programs; admission and placement of students; student affairs; fiscal planning and management; short term and strategic planning; space and equipment utilization; and other activities that affect education, research, and professional service within the College.

The College of Medicine is among the top ten public medical schools in National Institutes of Health funding and is part of a major research university. The College is affiliated both with an adjacent, comprehensive Department of Veterans Affairs Medical Center and with the University of Iowa Hospitals and Clinics, the largest university-owned teaching hospital in the United States.

Candidates should possess an M.D., Ph.D., or both, have a distinguished record of teaching, research, and service in a medically-related field and qualify for senior academic rank in the College of Medicine. The successful candidate must have a demonstrated capacity to foster an environment in which excellent teaching and scholarship can flourish, as well as an appreciation for the importance of developing and promoting clinical programs in a state which relies heavily on rural, primary care physicians.

The Search Committee seeks candidates who have a record of innovative and effective administrative leadership; possess strong advocacy skills expect and enjoy interaction with students; and who have a commitment to increasing diversity among students, staff, and faculty. A demonstrated knowledge of fiscal management within the complex, changing health care field is essential. A record of productive interaction with representatives of business and industry, community and state leaders, legislators, and officials at all governmental levels is highly desirable.

The Search Committee will accept nominations and applications until the position is filled. The Committee is particularly interested in identifying minority and women candidates. Applicants should include a curriculum vitae and the names, addresses, and telephone numbers of five references. Please send nominations or applications to:

Richard D. Williams, M.D.,
Professor and Head, Department of Urology
Chair, Search Committee for the Dean of the College of Medicine
126 CMAB
The University of Iowa
Iowa City, IA 52242

The University of Iowa is an equal opportunity and affirmative action employer.

POSITIONS OPEN

The Department of Physiology and Cell Biology of the University of Texas Medical School in Houston invites applications for a tenure-track faculty position at the level of ASSISTANT or ASSOCIATE PROFESSOR. Applicants are expected to have a Ph.D. or M.D., postdoctoral training experience and a record of accomplishments indicating that they are capable of pursuing a productive, independent research program. Special consideration will be given to those working in the areas of the cellular and/or molecular biology of epithelial ion transport.

Interested parties should send curriculum vitae, a statement of present and future research interests and the names of three referees to:

Dr. Stanley G. Schultz
Professor and Chairman
Department of Physiology and Cell Biology
University of Texas Medical School at Houston
P.O. Box 20708
Houston, Texas 77225

The University of Texas Health Science Center is an Equal Opportunity/Affirmative Action Employer.

HAVERTORD COLLEGE

The Molecular, Cellular and Developmental Biology Department seeks two tenure-track FACULTY MEMBERS at the Assistant, or possibly Associate, Professorial level for the Fall of 1993. Applicants will teach undergraduates at all levels and maintain an active research program with extensive undergraduate involvement. Areas of research should be in the regulation of gene expression or in cell biology with strong expertise in macromolecular biochemistry. Electron microscopy is desirable for one position. The department supports innovative teaching in the application of interest. A Ph.D. and postdoctoral research experience are required. Please send curriculum vitae, statements of teaching and research interests and three letters of recommendation by November 1, 1992 to: Dr. Judy Owen, Biology Search, Haverford College, Haverford, PA 19041. Haverford College is an Equal Opportunity/Affirmative Action Employer.

TENURE TRACK
ASSISTANT/ASSOCIATE PROFESSOR
EUKARYOTIC MOLECULAR BIOLOGY

The Department of Microbiology, Molecular Genetics and Immunology at the University of Kansas Medical Center is recruiting an individual for appointment in the broad area of Eukaryotic Molecular Biology. Requirements include a Ph.D., demonstrated ability to pursue an independent research program, and previous accomplishments at postdoctoral or faculty level. Applicants whose research efforts would strengthen existing programs or offer opportunities for collaboration with current faculty members are encouraged. Interested applicants should send full curriculum vitae, short summary of research plans, and names, addresses and phone numbers of three references to: Dr. John F. Owen, Department of Microbiology Molecular Genetics and Immunology, University of Kansas Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160-7420.

University of Kansas Medical Center is an Equal Opportunity/Affirmative Action Employer.

ANIMAL PHYSIOLOGIST

The Department of Biological Sciences at the University of Notre Dame invites applications for a tenure-track faculty position in Animal Physiology at the ASSISTANT, ASSOCIATE or FULL PROFESSOR level. While the specific area of physiology is open, candidates should be utilizing molecular techniques as part of their research. The successful candidate will be expected to maintain or develop an active research program that will attract outside funding. Teaching responsibilities would be one course per semester and will include an upper level undergraduate physiology course and a graduate course in the candidate's area of expertise. The University of Notre Dame offers highly competitive salaries, start-up funds and state of the art research facilities. Applicants should submit curriculum vitae, description of research and teaching interests and the names of three references by November 15, 1992 to: Dr. Frederick W. Goetz, Department of Biological Sciences, University of Notre Dame, Notre Dame, IN 46556. Notre Dame is an Affirmative Action/Equal Opportunity Employer.
Positions Open

Biological Sciences Faculty Positions

The newly reorganized School of Biological Sciences (previously the School of Basic Life Sciences) invites applications from individuals with a Ph.D. degree and at least two years of postdoctoral experience for two tenure-track Assistant or Associate Professor positions. Experience in one of the following areas is preferred: Plant physiology, plant/cell developmental biology, comparative cell physiology, molecular genetics, cellular or molecular parasitology, invertebrate molecular neurobiology. We are seeking individuals with demonstrated potential for establishing independent, extramurally-funded research programs in any of the above research areas and with skills in communication. The successful candidates will be expected to teach courses at both the undergraduate and graduate level. Particular needs are for teaching general biology, plant sciences, general botany, genetics, neurology, cell biology, comparative physiology and related disciplines. Excellent career opportunities, competitive salaries, newly renovated space, start-up funds and modern research core facilities available. A commitment to quality undergraduate education is essential in a growing school with 45 faculty and an expanded scope to involve, within its mission in teaching the basic health sciences (Medicine/Dentistry) and the Ph.D. program, the bachelors and masters degrees in biology. Review of applications will begin October 20, 1992. Applicants should refer to SBS-2 position and submit curriculum vitae, statement of research goals and teaching interests, and three letters of reference to: Search Committee, Office of the Dean, School of Biological Sciences, Biological Sciences Building Room 109, University of Missouri--Kansas City, Kansas City, MO 64110. An Equal Opportunity/Affirmative Action Employer.

Research Associate or Assistant Professor

Research Associate or Assistant Professor position available for two years starting in winter 1992 for Ph.D. with experience in Molecular Biology. Project involves implementation of a sensitive hybridization assay for the detection of HIV-1 RNA in human cells using a novel ribosome-mediated ligation reaction followed by RNA amplification using Q-Beta replicase. Work is funded by the Howard Hughes Medical Institute, the Rockefeller Foundation and the National University of Mexico. Research activities include state-of-the-art instrumentation such as a Molecular Dynamics phosphorimager, a fluorescent DNA sequencer, advanced thermal cyclers and several Ethernet-networked Macintosh II and Sparc-station computers. Salary is in the range of $18,000-$25,000 per annum (negotiable depending on level and qualifications). Familiarity with the Sparcstation would be an asset, but is not essential. Please fax curriculum vitae, statement of research interests, as well as the names of three referees to Dr. Paul M. Lizardo, Depto. de Bioquimica, Instituto de Biotecnologia, Cuernavaca, MEXICO. FAX (52-73) 17-73-88.

The Swiss Federal Institute of Technology and the University of Zurich are accepting applications for a post Professorship in the field of MINERAL DEPOSITS AND CHEMISTRY OF THE EARTH'S INTERIOR. Candidates should be internationally recognized earth scientists with experience in studies of dynamic processes in the earth's interior, the interaction between crust and mantle as well as in the genesis of mineral deposits. Quantitative application of element and isotopic abundance data in the development of chemical-thermodynamical models for mass transfer in the lithosphere is desired. We encourage close collaboration with other research groups of the department, especially in isotopic geochemistry, geochemistry and petrology/teography.

Teaching responsibilities include part of the undergraduate and graduate program in ore and mineral deposits, as well as ore microscopy, and should be expanded into the field of mantle geochemistry and application of related isotope data.

Applications should be submitted to ETHZ, Professor Dr. J. Nüssch, ETH Zentrum, CH-8092 Zurich. In an effort to increase the number of women in top academic positions, women are specifically invited to apply.

Molecular Biosystems, Inc. (MBI), is a leader in the development and manufacturing of contrast agents for medical imaging, including ultrasound and MRI.

Scientists

- Develop final formulations for MRI & CT products. Ph.D. in Pharmacy or Medicinal Chemistry with 5 years lab experience formulating organic/inorganic based drugs for solubility and tissue specific delivery. Drug delivery systems and tissue targeting experience. Knowledge of pharmaceutical operations, stabilization and cGMP regulations.
- Develop analytical methodology in support of process and product development & assembling IND and NDA's. Ph.D. in Analytical Chemistry with 5 years experience in analytical method development in pharmaceutical industry.
- Develop chemical processes for pilot plant. Ph.D. in Organic Chemistry with 5 years experience in chemical process development. Must have knowledge of cGMP regulations.

Research Associates

Positions available which require a BS in Chemistry with 3 years lab experience or a MS with 1 year lab experience and a background in one of the following areas:

- Familiarity with techniques in wet chemistry, analytical spectrophotometry & chromatography. Hands-on experience in HPLC, FTIR, AA, UV & autotitrimetry.
- Scale-up, formulation activities and methods development.

We offer competitive salaries, a comprehensive benefits package and a pleasant working environment. Qualified candidates should submit résumé with salary history to:

Molecular Biosystems, Inc.
Human Resources Department A93-93
1050 Barnes Canyon Road
San Diego, CA 92121

An Equal Opportunity Employer

Postdoctoral Research Fellow

Signal Transduction

The PARKE-DAVIS Pharmaceutical Research Division of Warner-Lambert Company has a postdoctoral position available immediately for an independent and highly motivated scientist interested in applying modern molecular techniques to the study of endothelin receptors and their signaling pathways. Current work is focused on the structure, function, and regulation of endothelin receptor subtypes in vascular cells (endothelial and smooth muscle), as well as cloned subtypes expressed in mammalian expression systems.

Candidates should be recent Ph.D. graduates with a background in cellular and molecular biology, biochemistry, or pharmacology.

The laboratory is in the Department of Cardiovascular Pharmacology, and collaboration with the Departments of Signal Transduction and Molecular Biology is highly encouraged. The company has strong ties to the University of Michigan and other academic institutions. Continued academic interactions and publication in leading journals is expected.

Interested persons should forward a CV and list of references to Box JDM-55, Human Resources Department, PARKE-DAVIS Research Division, Warner-Lambert Company, 2800 Plymouth Road, Ann Arbor, MI 48105. Candidates may also fax their resumes to (313) 996-7617 to the attention of Box JDM-55. "Smoke-Free Work Environment"
**CELLULAR BIOLOGIST**

**DRUG DISCOVERY RESEARCH**

BIOFOR is searching for a Ph.D. CELLULAR BIOLOGIST that enjoys a multitude of challenges. Our ideal candidate will have a minimum of 2-3 years of industrial experience with training in arachidonic acid metabolism and/or immune cell modulation. We have collaborative research programs which will give you the unusual opportunity to work in close cooperation with several Nobel Laureates. This position requires a broad interest and knowledge in biochemical mechanisms and an appreciation of in vivo models.

BIOFOR is a growing company dedicated to developing human therapeutics through the integrated application of proprietary MultiCASE rational drug design paradigm and with the latest advances in biological sciences, medicinal chemistry and computational chemistry. The ideal candidate will enjoy a small company environment where you make a difference. Our salary and benefits package is competitive with industry norms, with the unusual opportunity for significant financial rewards related to your contributions.

We are located in Northeastern Pennsylvania, known for its quality of life, outdoor recreational facilities and close proximity to the Northeast corridor.

Please send your resume to:

Dr. J. C. Sircar
Senior Vice President
BIOFOR, INC.
P.O.Box 629
Waverly, PA 18471

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**COMPREHENSIVE POSTDOCTORAL TRAINING IN THE CELLULAR, BIOCHEMICAL AND MOLECULAR PHARMACOLOGY OF ANTI-NEOPLASTIC AGENTS**

This program provides trainees with perspectives and laboratory skills to explore the mechanisms of action of anti-cancer drugs, a rational basis for their selectivity, and their biochemical modulations and chemical modifications. The spectrum of training is broad and supported by a collaborating group of faculty with expertise in pharmacology, biochemistry, molecular biology and biophysics. Trainees are introduced to concepts in structural biology and computer modelling to prepare them for modern drug development strategies. There is an established track record of successful trainee placement in positions in academic, government or research units of the pharmaceutical industry. Trainees participate in the development of grants as part of the training experience and have an excellent record of peer-reviewed funding.

The program is supported by a longstanding NCI-funded Postdoctoral Training Grant with support for trainees for up to three years. There is extensive faculty and trainee collaboration and utilization of Massey Cancer Center Shared Resources. Starting stipend—$25,000+ per year with yearly increments. Contact Dr. I. David Goldman, Director, Massey Cancer Center, Medical College of Virginia, MCV Box 230, Richmond, Virginia 23298–0230. US citizenship or permanent residence status is required. MCV/VCU is an equal opportunity employer. Women and minorities are encouraged to apply.

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**STAFF SCIENTISTS**

**Gene Expression**

Targeted Genetics Corporation is developing techniques for the treatment of infectious diseases and cancer using gene therapy. We are now hiring talented scientists with diverse backgrounds in gene expression and an enthusiasm for molecular medicine to complement our existing skill base in the Gene Expression Department.

The ideal candidates will be well versed in the mechanisms of control of mammalian gene expression and DNA replication, and will have hands-on experience with a variety of gene transfer and expression vectors. Several years of postdoctoral experience would be a distinct advantage, but recent PhD graduates with a strong record of accomplishment are also encouraged to apply. The successful applicants will be expected to work in an interactive environment on projects involving regulated and constitutive gene expression in hematopoietic cells.

Targeted Genetics offers competitive salaries and an excellent benefits package, and is located in the beautiful Pacific Northwest. For consideration, please send resume to: Targeted Genetics Corporation, Attn: GE/9-92, 1201 Western Avenue, Seattle, WA 98101.

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**MCLEAN HOSPITAL**

McLean Hospital is a nationally known leader in psychiatric care. As a non-profit Harvard teaching affiliate offering a wide variety of services and programs, we are committed to advancement through research and teaching.

**Molecular Neurobiology**

Postdoctoral/Research Associate Position. At Harvard Medical School, McLean Research Center, for a Ph.D. scientist with background in molecular biology to work on the molecular neurobiology of innovation and synapse formation. The research is basic neuroscience with relevance to CNS injury, neurotransmitter receptor interactions, and aging.

Please send curriculum vitae and the names of three references to: Dr. S. Bursztajn, McLean Hospital, Mailman Research Center, 115 Mill Street, Belmont, MA 02178. Fax (617) 855-3479.

An equal opportunity employer.

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**THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE FACULTY POSITIONS IN PHYSIOLOGY**

In the next three years the Department of Physiology will seek to fill up to 10 faculty positions at the level of Assistant, Associate and Full Professor. Candidates must have a doctoral degree, postdoctoral training and demonstrated independent excellence in research, with promise for developing a highly innovative program of investigation and graduate training. We seek candidates with creative, rigorous approaches to key physiological processes from the level of molecular structure and mechanism through systems level organization. Areas of interest include molecular neurophysiology, membrane transport and intercellular/intracellular signalling, with technical expertise in membrane biophysics, imaging, molecular structure determination, molecular biology (including transgenic methods), biochemistry and cell biology. The major activities of the department are research, direction of the graduate program in Cellular and Molecular Physiology, and medical education. Qualified candidates should submit curriculum vitae, a list of publications, up to three selected reprints and the names of three or more referees (whom we may contact) to: William S. Agnew, Department of Physiology, The Johns Hopkins School of Medicine, 725 N. Wolfe Street, Baltimore, MD 21205. Deadline for the first round of applications is October 30, 1992.

The Johns Hopkins University is an Equal Opportunity/Affirmative Action employer.
THE NEW YORK ACADEMY OF SCIENCES CALL FOR CONFERENCE PROPOSALS

The New York Academy of Sciences invites proposals for frontier conferences in all areas of science and engineering. Academy meetings frequently focus on biomedicine and neuroscience, and also cover, chemistry, computer sciences, the environment, mathematics, physics, the social sciences, and other fields.

The Academy sponsors meetings throughout the world, and provides the logistical, administrative, and fund-raising support necessary for the successful presentation and discussion of research reports. Academy conferences typically are an interdisciplinary examination of a single topic, generally have 24 to 30 speakers and poster sessions, last three days, and have about 250 attendees. Proceedings of these peer-reviewed conferences are published as volumes of the 169-year-old series, *Annals of the New York Academy of Sciences*, which are distributed internationally and are widely cited.

The Academy encourages all interested scientists and engineers to submit preliminary conference proposals. The current focus is for 1994, Conference proposals for 1995 are also welcome. Please prepare a two-page description of the meeting as you envision it, including title, key theme or rationale, the primary topics to be covered, the names of three or four senior scientists who might be on the program, and likely financial contributors. Send your preliminary proposal to:

Geraldine Busacco  
Conference Director  
The New York Academy of Sciences  
2 East 63rd Street  
New York, New York 10021

Within a month after receipt of the preliminary proposal, the Academy will contact you, and if your short description is selected, invite you to submit a complete proposal. If you would like to see a typical conference program or the resulting *Annals*, or if you have any questions about organizing a major meeting, please call the Conference Department at 212-838-0230 or FAX 212-838-5640.

MYCOGEN CORPORATION, a leader in agricultural biotechnology, has the following exceptional career opportunities available at our San Diego corporate headquarters.

RESEARCH ASSOCIATE, FERMENTATION

The successful candidate will work as part of a team responsible for the development and implementation of novel, cost effective processes for the production of biological pesticides. Requires a BS or MS degree in microbiology or a related discipline with a minimum of 1-2 years' bench scale experience in bacterial fermentation process development. Previous experience with computer controlled fermentation processes is desirable.

MANUFACTURING ENGINEER

Responsibilities in our newly formed manufacturing group will include coordination with process development groups to monitor and improve existing processes and to bring new products through to manufacturing. The ideal candidate will have a minimum of a BS in chemical or biochemical engineering, with 2-5 years' industrial experience. Hands-on experience in scale up of biological processes, including recovery and final product formulation is preferred.

RESEARCH SCIENTIST, PROTEIN CHEMISTRY

The successful candidate will develop, validate and document quantitation procedures for recombinant proteins and assist Product Support groups in implementation of analysis procedures. A strong background in biochemical techniques is required, as is a working knowledge of Good Laboratory Practice (GLP) standards. Experience in correlation of analytical measurements and bioassays is beneficial. Applicants should have a PhD and a minimum of 2 years' experience with protein and GLP quantitation methodologies.

RESEARCH SCIENTIST, ANALYTICAL CHEMISTRY

The successful candidate will develop, validate and document quantitation procedures for fatty acid-based products, and will perform analyses required to support development of these products. A strong background in analytical techniques (especially gas chromatography) is required, as is a working knowledge of Good Laboratory Practice (GLP) standards. Applicants should have a PhD + 2 years' experience or MS + 4 years' experience and a minimum of 2 years' related experience in GLP quantitation methodologies.

MYCOGEN's goal of becoming a world class manufacturer of biological pesticide products requires filling each of these positions with highly motivated, innovative individuals. We offer an excellent compensation and benefits package and an exceptional work environment. For immediate consideration, please indicate position applying for and send your resume to:

MYCOGEN CORPORATION  
Human Resources Department  
5451 Oberlin Drive  
San Diego, CA 92121

Equal Opportunity Employer
POSITIONS OPEN

CELLULAR/MOLECULAR NEUROBIOLOGIST: The University of Massachusetts Medical Center, Department of Neurology, is seeking an established investigator with a background and interest in studying mechanisms of neurodegenerative disease, death, and selective vulnerability in Alzheimer's disease and related disorders is sought to join an expanding Neuroscience Research Program in neurobiology. Initial appointment will be made at the ASSISTANT or ASSOCIATE PROFESSOR level. Applicants should submit a curriculum vitae, research statement, and names of at least three references. Salary is commensurate with experience. Application deadline is 15 May 1993. Applications should be sent to: Robert A. Wurtman, M.D., Chairman, Search Committee, Department of Neurology, University of Massachusetts Medical Center, 5 Lake Avenue North, Worcester, MA 01655. An Affirmative Action/Equal Opportunity Employer.

TWO POSITIONS/WILDLIFE SCIENTISTS. Two 12-month tenure-track faculty positions in the Department of Zoology, with 75% time assigned to the Cooperative Wildlife Research Laboratory. (1) ASSISTANT/ASSOCIATE PROFESSOR with specialty in wildlife or ecологии and an interest in the area of avian ecology and management. (2) ASSOCIATE PROFESSOR with specialization in population ecology or another discipline that enhances/ complements the department. Applicants must include a cover letter, curriculum vitae, and three letters of recommendation. The University of Arizona is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

POSITIONS OPEN

PROFESSOR, ASSOCIATE PROFESSOR, ASSISTANT PROFESSOR, VASCULAR CELL BIOLOGIST

The Section of Surgical Pathology, Department of Surgery, University of Arizona Health Sciences Center invites applications for a full-time faculty, tenure-track position. The individual should have a Ph.D. and/or M.D. degree(s). Salary and rank are commensurate with experience and qualifications. Position is available immediately. Applicants should send curriculum vitae, a statement of research interests, and names of at least three references. Salary is commensurate with experience. Application deadline is 15 May 1993. Applications should be sent to: James W. Bond, M.D., Chairman, Search Committee, Department of Pathology, University of Arizona Health Sciences Center, 1501 N. Campbell Ave., Tucson, AZ 85724. Review begins September 1, 1992 and remains open until filled. The University of Arizona is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

YALE UNIVERSITY SCHOOL OF MEDICINE

CLINICAL MICROBIOLOGIST

The Department of Laboratory Medicine at Yale University School of Medicine has an opening at the rank of ASSISTANT or ASSOCIATE PROFESSOR with clinical responsibilities as Assistant Director of the Clinical Microbiology Laboratory and as an attending pathologist at Yale New Haven Hospital. The successful candidate will be expected to establish a research program, participate in the direction of the Clinical Microbiology Laboratory, recruit students, and medical students. We prefer applicants who are board certified or board eligible in Clinical Pathology and/or Medical Microbiology. Candidates must have M.D., Ph.D. or M.D., Ph.D. degree. Send curriculum vitae and addresses of at least three references to: Gary K. V. Cooper, M.D., Department of Laboratory Medicine, Yale University School of Medicine, P.O. Box 2080, New Haven, CT 06510. The deadline is November 15, 1992. Yale is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

VISITING PROGRAM DIRECTOR AND PROFESSOR

(Degree Position Number 55120)

Ph.D. in theoretical condensed matter physics and research experience in high pressure, superconductivity, heavy fermion systems, modulated structures, low temperature and high magnetic field phenomena, or other related experience or expertise is expected. The successful candidate will develop programs related to the unique high magnetic field capabilities of the NHML.

Florida State University is an Equal Opportunity/Affirmative Action Employer. Applications are due by December 31, 1992. Send applications to: Robert K. Howland, NHML, Florida State University, Tallahassee, FL 32306-3016. Telephone: (904) 644-0311.

UNIVERSITY OF SOUTH FLORIDA COLLEGE OF MEDICINE

SHIRLING ENSKOG CHAIR IN PEDIATRIC-ORTHOPAEDIC RESEARCH

RESEARCH DIRECTOR/EQUINE SCHOLAR CHAIR HOLDER

The University of South Florida (USF) Department of Surgery, in conjunction with the Shriners Hospitals for Children, is currently seeking a researcher in musculoskeletal biology at the Professor level. Applicants for the position must possess a Ph.D. or M.D. degree(s) and have a strong background and interest in extracellular matrix research. Preference will be given to individuals who have a distinguished record of research contributions and/or who have been awarded extramural funding. The University of South Florida is an Affirmative Action/Equal Opportunity Employer and women and minorities are encouraged to apply.

USDRA FOREST SERVICE

FOREST PROTECTION RESEARCH INSTITUTE, UNIVERSITY OF WASHINGTON, SCHOOL OF FOREST RESOURCES: DIRECTOR AND CHIEF PLANT PATHOLOGIST

The USDA Forest Service will be seeking applicants for the position of Director and Chief Plant Pathologist in the Institute of Tree Root Biology, Athens, Georgia (administration and research). The Institute employs five scientists and six support staff. The Institute's mission is to study tree root and microbial dynamics in relation to forest management response to natural and man-made stresses. The incumbent will develop methods of study and address responses to various types of stress by rhizosphere microorganisms. The Institute's faculty are involved in active research in relation to fine root dynamics on seedlings and trees. Field, greenhouse, nursery, and laboratory studies are necessary. Multi-institutional and inter-disciplinary components of a regional, national, and international scope are required.

The position is located at the Southeastern Forest Experiment Station in Athens, GA, and frequent travel is required. Applicants must have a Ph.D. in plant pathology or related field and U.S. citizenship. Salary $54,607 to $64,233 depending on qualifications. For additional information and contact: Glenda A. Brown, Personnel Management, Southeastern Forest Experiment Station, P.O. Box 2680, Asheville, NC 28802; Telephone 704-257-4474.

The Forest Service is an Affirmative Action/Equal Opportunity Employer. Cultural diversity in the workplace is welcomed.

CURATOR OF ENTOMOLOGY

The Denver Museum of Natural History is seeking a curator of entomology to begin January 1993. Duties include development and curation of insect collection (100,000 specimens), significant involvement in ex-hibition and public programming, and development of an active, collection-based research program. Ph.D., at least two years of curatorial experience, strong communication skills, and evidence of excellent public education experience required. Statement of interest, curriculum vitae, and three letters of recommendation to: Dr. Charles R. Preston, Entomology Search Committee, Denver Museum of Natural History, 201 Colorado Boulevard, Denver, CO 80205, by 31 October 1992.

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 candidate should have demonstrated leadership in neurosciences, reproductive biology and developmental biology. The new leadership of the School of Medicine is committed to provide 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. John Cerny, Chairman, Department of Neurobiology and Immunology, School of Medicine, 665 West Baltimore Street, Baltimore, MD 21201.

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

ASSOCIATE DIRECTOR FOR RESEARCH

Sepulveda Veterans Administration Medical Center (VAMC) is a 362-bed facility located in suburban Los Angeles, CA. It seeks M.D. or Ph.D. basic scientist studying aging or age-related disease. Applicants must qualify for Associate or Full Professor at UCLA. Cahn can establish strong research program. Additional funded positions, space and resources available. Sepulveda VAMC is an Equal Opportunity/Affirmative Action Employer. Men and women candidates are encouraged to apply.

Send curriculum vitae and inquiries to: Ms. Adina Katz, Sepulveda VAMC GRECC (11B), 1611 Plummer Street, Sepulveda, CA 91434.
Ph.D. Toxicologists

Procter & Gamble has several entry-level staff toxicology openings to be filled at our Cincinnati, Ohio; Hunt Valley, Maryland; and Norwich, New York technical centers. These positions require a Ph.D. degree, preferably in toxicology; however, degrees in pharmacology, physiology, nutritional toxicology, or other life sciences are acceptable if the training or experience meets the needs of the openings. These positions are in applied toxicology and involve the design, implementation, and interpretation of a breadth of studies and applying the results to the development of risk assessments for new products, chemicals, and product ingredients. These toxicologists will work with multidisciplinary teams, manage contract studies, and may interact with scientists outside the company and with regulatory agencies at both state and federal levels.

Procter & Gamble is a world leader in the research, development, manufacture and marketing of a wide variety of consumer products in the health and beauty care, food and beverage, laundry and cleaning and paper products areas. Annual sales exceed $30 billion, and the R&D budget is over $800 million.

Candidates must be presently authorized to work in the U.S. on a full-time basis. Resumes, with a list of publications and references, should be sent to:

Dr. N.G. Howell, Dept. T6
The Procter & Gamble Company
P.O. Box 398707
Cincinnati, OH 45239-8707

No Agency referrals, please. Allow 6-8 weeks for response. An Equal Opportunity Employer.

Leicester University

MEDICAL RESEARCH COUNCIL CENTRE FOR MECHANISMS OF HUMAN TOXICITY RESEARCH POSITIONS

The Centre for Mechanisms of Human Toxicity is a major new venture being established jointly by MRC and the University of Leicester. It will consist of the MRC Toxicology Unit (relocated from Carshalton) and teams led by members of University staff, working together to create a centre of excellence of international standing, with the emphasis on cellular and molecular mechanisms of toxicity. The scientific strategy will be focussed on work in carcinogenesis, neurotoxicology, mechanisms of cell death, metabolic activation and inactivation, and adverse drug reactions, together with relevant methodological developments.

Applications are invited for Research Fellow positions, to initiate independent research programmes within this overall strategy. The positions will be for five years, and will provide a salary (in the Research Analogous II range £17,827 - £23,739, currently under review) together with contributions to equipment and consumable expenses. The successful applicants will be expected to build up their own research groups and to seek external funding for this.

Applications are invited for work in any of the areas indicated above, and particularly for work in cancer molecular biology or neurotoxicology. Collaborations with other groups in the Centre will be actively encouraged. Applications should take the form of a curriculum vitae and list of publications and a short research proposal (around five pages), and should be sent, with the names of two referees, to The Director, Professor Gordon Roberts, Centre for Mechanisms of Human Toxicity, PO Box 138, Medical Sciences Building, University Road, Leicester LE1 9HN, UK (Fax 0533 523995). Informal preliminary enquiries are encouraged and should be addressed to Professor Roberts or the Resources Manager, Dr. Simon Dyer, at the same address. The closing date for applications is 30 October 1992.

Towards equal opportunities.
Applications are invited for Faculty positions/appointments in one of the following disciplines from candidates who must possess a relevant PhD degree. Preference will be given to those who are able to teach in more than one of the areas listed under the 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

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

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
$50,390–64,200
Senior Lecturer
$55,680–100,310
Associate Professor
$86,650–122,870

(US$1.00 = $1.60 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 $1,000 or $2,000, subsidized housing at nominal rentals ranging from $100 to $216 p.m., education allowance for up to three children subject to a maximum of $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 up all the academic staff and student microcomputers, UNIX workstations and provides access to the mainframe computer, the supercomputer, UNIX hosts, the on-line library catalogue, 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

“MINORITIES IN SCIENCE...
A SEARCH FOR SOLUTIONS”

13 NOVEMBER ISSUE
COVER STORY IN
SCIENCE

In a first-time cover story, the 13 November issue of Science explores the complex problems and obstacles facing minorities as they work and compete in the scientific community.

HIGHLIGHTS INCLUDE:
AFFIRMATIVE ACTION PROGRAMS
CAREER PROFILES
BARRIERS FACING MINORITIES
THE SEARCH FOR SOLUTIONS

BENEFITS OF ADVERTISING IN THIS SPECIAL ISSUE:

• More Visibility. Strategically located in the main body of the magazine, next to career-related editorial. • Harvey Research Study measures reader awareness and retention of your ad.

BONUS DISTRIBUTION:

Reprints distributed to: Minority Access to Research Centers • Minority Biomedical Research Support Program • National Hispanic Leadership Conference • National Network of Minority Women in Science • National Organization for the Advancement of Black Chemists and Chemical Engineers • National Puerto Rican Coalition • National Technical Association. In addition to these organizations, many more will receive this section for use through mailings and at meetings.

Don't miss this first time advertising opportunity!
Contact Janis Crowley at (212) 496-7704.

Space Reservation Deadline: Tuesday, October 27
RESEARCHER
RS Position number 86082, Hawaii Natural Energy Institute, School of Ocean and Earth Science and Technology, University of Hawaii, 11-month appointment, temporary, full-time, non-tenure track position, state extramural funds, to begin approximately December 1, 1992.
DUTIES: Conduct research and manage industrial research programs. Write and prepare research proposals and secure extramural funding. MINIMUM QUALIFICATIONS: Ph.D. in engineering or related field. Five years of academic experience in engineering and ten years of industrial engineering practice. Knowledge of ocean resource applications, floating structures and ocean energy. Proven experience in joint industry-government-academic projects. MINIMUM SALARY: $70,164.00 per year. Inquiries: Dr. Patrick Takahashi (808) 956-8346. To apply, send a statement of interest, vitae and three letters of recommendation to Personnel Officer, Hawaii Natural Energy Institute, University of Hawaii, 2540 Dole Street, Honolulu, Hawaii 96822. Closing date: October 13, 1992.

RESEARCHER (Research Professorship for the Blue Revolution)
RS Position number 86081, Hawaii Natural Energy Institute, School of Ocean and Earth Science and Technology, University of Hawaii, 11-month appointment, permanent, full-time, tenure-track position, state funds, to begin approximately February 1, 1993. DUTIES: Conducts research and manages interdisciplinary program in ocean resource systems. Writes and prepares research proposals and secures extramural funding. MINIMUM QUALIFICATIONS: Ph.D. in engineering or related field. Ten years of experience in ocean resource systems technology and development, plus an academic background in engineering. Considerable knowledge in ocean microbiology, floating structures and marine biotechnology systems. Demonstrated experience with funding agencies and management of research projects and teams, including chairing national and international meetings in ocean and energy topics. MINIMUM SALARY: $78,924 - $103,872 per year; commensurate with experience. Inquiries: Lois Nagahara (808) 956-2329. To apply, send a statement of research and teaching interests, curriculum vitae and three letters of recommendation to Personnel Officer, Hawaii Natural Energy Institute, University of Hawaii, 2540 Dole Street, Honolulu, Hawaii 96822. Closing date: October 13, 1992.

The University of Hawaii is an Equal Opportunity/Affirmative Action Institution and encourages women, minorities, handicapped, and veterans to apply.

NIH AIDS POSTDOCTORAL FELLOWS MEETING
March 28 - April 4, 1993
Keystone, Colorado

The meeting will be held in conjunction with the Keystone Symposia on Frontiers in HIV Pathogenesis, and Pediatric HIV Infections. Topics will include HIV molecular biology and regulation; strategies for designing vaccines and anti-HIV agents; pathogenic mechanisms including the central nervous system, early acute infection, immune deficiencies, tropism, and virus variation; and epidemiology of HIV transmission and progression. The meeting will provide opportunities for interaction with leading AIDS researchers through plenary lectures, poster sessions, oral presentations, and tutorials.

Travel Assistance for Minorities
Funds will be provided to a limited number of minority scientists to attend the meeting in order to encourage participation of minority groups that are underrepresented in AIDS research (African Americans, Alaskan Natives, Native Americans, Hispanics, and Pacific Islanders). Minority scientists eligible for travel assistance are full-time predoctoral students, postdoctoral fellows, junior faculty, and physicians in training who either are engaged in or are planning careers in AIDS research.

For registration forms, application forms for travel assistance, or further information contact:
NIH AIDS Postdoctoral Fellows Meeting
C/O Keystone Symposia Inc.
Silverthorne, CO 80498
Telephone: (303) 262-1230; Telex: (303) 262-1525
Submission deadline for registration forms and travel assistance applications is December 2, 1992.

SENIOR SCIENCE ADVISOR
CONSERVATION AND RENEWABLE ENERGY
$73,972 to $108,300 Per Annum

The U.S. Department of Energy, Conservation and Renewable Energy, is seeking applicants for a Senior Science Advisor. The incumbent will serve as the principal advisor to the Assistant Secretary for Conservation and Renewable Energy on planning, development and execution activities for conservation and renewable energy research and development programs. Programs encompass wind, hydrogen and ocean technology; use of solar energy, photovoltaic and biomass power, biofuels and alternative motor fuels development; and research in building and industrial energy use. The incumbent will review overall planning, resource allocations, and evaluation of national and international programs, including strategy development and program integration activities.

Candidates must have experience in energy conservation and renewable energy technology, preferably as a senior specialist or program manager in such fields. Candidate must possess at least a bachelor's degree or equivalent in physical science, engineering, or a closely related engineering science such as mechanics, dynamics, properties of materials, or electronics. Advanced degrees preferred.

Difficulty in recruitment may result in a relocation/recruitment bonus, waiver of dual compensation or annual pay set up to $136,900.

The Department of Energy is an equal opportunity employer.

To apply, submit a Standard Form (SF-171), "Application for Federal Employment." Applications must be postmarked no later than October 18, 1992.

For additional information and forms please call directly to:
Executive Resources Management Division,
AD-55, FOPS, DOE
Washington, D.C. 20585
Telephone: 202/386-8450

PROFESSOR OF CLINICAL BIOCHEMISTRY
AUSTRALIA

This is a new position in the Department of Chemistry and Biochemistry at James Cook University established in conjunction with the Northern Regional Health Authority. The appointment will be responsible for developing undergraduate courses in medical and clinical biochemistry and initiating a major postgraduate program in the general area of medical biochemistry. It is envisaged that the appointee will be involved in teaching with the University of Queensland at the North Queensland Clinical School, an initiative for the education of medical students. Where appropriate the appointee may hold a conjoint position with the Pathology Department of the Townsville General Hospital and be available for consultancy services to that Department. It is anticipated that a suitable appointee would head the Division of Biochemistry within the Department of Chemistry and Biochemistry and may supervise its transition to a full department.

A research degree in an appropriate area of biochemistry, a proven record in medical research and experience in developing joint research programs with hospital clinicians is required. Appropriate teaching and administrative experience is essential. Possession of medical qualifications would be an advantage.

Tenure: Appointment will be for a period of five years in the first instance.
Salary: A$37,900 a year. In the case of a medically qualified appointee, a clinical loading of A$13,484 a year will also be payable.

Further information and application forms may be obtained from the Personnel Manager, James Cook University of North Queensland, Townsville, 4811 (Queensland, Australia). Applications close on 6 November 1992. In reply please quote reference number J92061.

Equal Opportunity in Employment is University Policy. The University has a 'Smoke-Free Working Environment' Policy.

JAMES COOK UNIVERSITY
OF NORTH QUEENSLAND
Staff Physiologist
Department of Radiology
University of Toronto

The Department of Radiology at the University of Toronto is seeking to employ a full-time physiologist interested in an academic career in medical imaging. The responsibilities of the physiologist include:

1. Research
   The thrust of the physiologist’s work is to build a research program in “functional imaging”—the use of imaging to investigate normal and abnormal biologic function. The Department of Radiology has at its disposal every modern imaging modality including: standard radiography, digital radiography, angiography, ultrasound, nuclear medicine, CT, whole body MR, small bore MR, and positron emission tomography. In addition, the Department has a fully equipped animal laboratory with a full-time research assistant, and a close and active collaborative relationship with the Department of Medical Biophysics for the development of new imaging methods. There is also an active program in radiological and Military Medicine Membrane Biology Group.

   The successful candidate is expected to initiate research projects, manage on-going research projects, and supervise graduate students, radiology residents and Fellows. Job responsibilities also include advice on the scientific content of grant applications and manuscripts from other faculty in the Department of Radiology. Demonstrated ability to work productively with others would be a strong asset.

2. Teaching
   The physiologist is expected to develop an appropriate curriculum for a basic sciences lecture series and to lecture on these topics for approximately 2 hours per month. The physiologist is also expected to organize lectures for the department by Visiting Professors, and to organize seminars to be given by residents and Fellows.

3. Reporting Relationship
   The physiologist should be self-motivated, able to work under minimal supervision but also be able to work productively in a group. The physiologist reports to the Director of Research and is ultimately responsible to the Chairman of Radiology.

4. Academic Requirements
   A Ph.D. or M.D. Ph.D., in Physiology or related field. Work experience in medical imaging or related field would be an asset but not an essential requirement.

5. Salary & Benefits
   Commensurate with academic rank and experience.
   Please include curriculum vitae and 3 letters of reference and address enquiries to:
   Walter Kucharczyk, MD, FRCP(C)
   Professor and Chairman
   Department of Radiology
   University of Toronto
   Rm. 157, FitzGerald Building
   150 College Street
   Toronto, Ontario
   MSS 1A8
   Canada

   The University of Toronto encourages applications from qualified men and women, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian immigration requirements, this advertisement is directed first to Canadian citizens and permanent residents.

CURATOR POSITION IN ORNITHOLOGY

The Carnegie Museum of Natural History announces a search to fill an ASSISTANT CURATOR position in the Section of Birds. Responsibilities include an A. Ph.D. degree, active research interests, and experience in working with museum collections. The Section of Birds holds major collections of study skins, skeletons, and alcoholic specimens; the curator will develop and coordinate this base for future research in ornithology. Experience in museum and private collections is desirable. Salary will be competitive with those of comparable institutions. The Carnegie Museum of Natural History is an Equal Opportunity/Affirmative Action employer. The Carnegie Museum of Natural History is committed to diversity in its programs and operations and encourages people of all backgrounds to apply.

Closing date: October 15, 1992.

Please send applications to:
Chair, Section of Birds
Carnegie Museum of Natural History
4400 Forbes Avenue
Pittsburgh, PA 15213

Staff Physiologist
Department of Radiology
University of Toronto
The Department of Radiology at the University of Toronto is seeking to employ a full-time physiologist interested in an academic career in medical imaging. The responsibilities of the physiologist include:

1. Research
   The thrust of the physiologist’s work is to build a research program in “functional imaging”—the use of imaging to investigate normal and abnormal biologic function. The Department of Radiology has at its disposal every modern imaging modality including: standard radiography, digital radiography, angiography, ultrasound, nuclear medicine, CT, whole body MR, small bore MR, and positron emission tomography. In addition, the Department has a fully equipped animal laboratory with a full-time research assistant, and a close and active collaborative relationship with the Department of Medical Biophysics for the development of new imaging methods. There is also an active program in radiological and Military Medicine Membrane Biology Group.

   The successful candidate is expected to initiate research projects, manage on-going research projects, and supervise graduate students, radiology residents and Fellows. Job responsibilities also include advice on the scientific content of grant applications and manuscripts from other faculty in the Department of Radiology. Demonstrated ability to work productively with others would be a strong asset.

2. Teaching
   The physiologist is expected to develop an appropriate curriculum for a basic sciences lecture series and to lecture on these topics for approximately 2 hours per month. The physiologist is also expected to organize lectures for the department by Visiting Professors, and to organize seminars to be given by residents and Fellows.

3. Reporting Relationship
   The physiologist should be self-motivated, able to work under minimal supervision but also be able to work productively in a group. The physiologist reports to the Director of Research and is ultimately responsible to the Chairman of Radiology.

4. Academic Requirements
   A Ph.D. or M.D. Ph.D., in Physiology or related field. Work experience in medical imaging or related field would be an asset but not an essential requirement.

5. Salary & Benefits
   Commensurate with academic rank and experience.
   Please include curriculum vitae and 3 letters of reference and address enquiries to:
   Walter Kucharczyk, MD, FRCP(C)
   Professor and Chairman
   Department of Radiology
   University of Toronto
   Rm. 157, FitzGerald Building
   150 College Street
   Toronto, Ontario
   MSS 1A8
   Canada

   The University of Toronto encourages applications from qualified men and women, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian immigration requirements, this advertisement is directed first to Canadian citizens and permanent residents.

CURATOR POSITION IN ORNITHOLOGY

The Carnegie Museum of Natural History announces a search to fill an ASSISTANT CURATOR position in the Section of Birds. Responsibilities include an A. Ph.D. degree, active research interests, and experience in working with museum collections. The Section of Birds holds major collections of study skins, skeletons, and alcoholic specimens; the curator will develop and coordinate this base for future research in ornithology. Experience in museum and private collections is desirable. Salary will be competitive with those of comparable institutions. The Carnegie Museum of Natural History is an Equal Opportunity/Affirmative Action employer. The Carnegie Museum of Natural History is committed to diversity in its programs and operations and encourages people of all backgrounds to apply.

Closing date: October 15, 1992.

Please send applications to:
Chair, Section of Birds
Carnegie Museum of Natural History
4400 Forbes Avenue
Pittsburgh, PA 15213

McGILL UNIVERSITY
ROYAL VICTORIA HOSPITAL
MOLECULAR ONCOLOGY GROUP

The Royal Victoria Hospital and McGill University in Montreal seek a DIRECTOR for a Molecular Oncology Group consisting of four independent investigators working in modern, well-equipped, contiguous laboratories. Laboratory space for the Director and for an additional independent researcher to be recruited by the Director are available. Academic affiliation will be with the Research Division of the Department of Oncology and the Department of Medicine, McGill University. The Director's position is tenured or tenure-track. The starting date would be the Summer of 1993. Candidates should currently be at the Associate Professor level or higher and must be carrying out a vigorous research program in the molecular or cell biology of cancer or developmental biology. Funds for equipment and start-up are available. In keeping with Canadian immigration requirements, preference will be given to Canadian citizens and permanent residents of Canada, but others are encouraged to apply; in addition, McGill University is committed to equality in employment. Submit curriculum vitae, copies of recent publications, an outline of current research interests, and the names, addresses, and telephone numbers of three references to 13 November 1992 to: Dr. W.D. Dauphinee, Chairman, Department of Medicine, McGill University, Royal Victoria Hospital, 687 Fine Avenue West, Room A3.09, Montreal, Quebec, H3A 1A1.

Tumor Immunologist/ Biologist

Baxter Healthcare Corporation, Bartels Diagnostics Division, a leading biomedical manufacturer and research facility, has an immediate opening for a self-motivated, results-oriented and creative Tumor Immunologist/Biologist.

Acting as project leader, you will conduct research in the area of immunotherapy and chemotherapy with direct applications to patient care.

Requirements include a PhD and good documentation skills, preferably with previous industrial experience. Qualified candidates will have knowledge in the following areas:

- immune therapy of neoplastic diseases
- T cell activation and expansion
- immune mediated tumor regression
- the role of cytokines in tumor regression

We offer a solid, stable work environment, complemented by competitive salaries and an outstanding benefits program. For consideration, please send resume to: Human Resources Division S-925, Baxter Healthcare Corporation, Bartels Diagnostics Division, P.O. Box 3093, Bellevue, Washington 98009. We are an equal opportunity employer m/f/d.

Bartels Diagnostics Division

Baxter

McGILL UNIVERSITY
ROYAL VICTORIA HOSPITAL
MOLECULAR ONCOLOGY GROUP

The Royal Victoria Hospital and McGill University in Montreal seek a DIRECTOR for a Molecular Oncology Group consisting of four independent investigators working in modern, well-equipped, contiguous laboratories. Laboratory space for the Director and for an additional independent researcher to be recruited by the Director are available. Academic affiliation will be with the Research Division of the Department of Oncology and the Department of Medicine, McGill University. The Director's position is tenured or tenure-track. The starting date would be the Summer of 1993. Candidates should currently be at the Associate Professor level or higher and must be carrying out a vigorous research program in the molecular or cell biology of cancer or developmental biology. Funds for equipment and start-up are available. In keeping with Canadian immigration requirements, preference will be given to Canadian citizens and permanent residents of Canada, but others are encouraged to apply; in addition, McGill University is committed to equality in employment. Submit curriculum vitae, copies of recent publications, an outline of current research interests, and the names, addresses, and telephone numbers of three references to 13 November 1992 to: Dr. W.D. Dauphinee, Chairman, Department of Medicine, McGill University, Royal Victoria Hospital, 687 Fine Avenue West, Room A3.09, Montreal, Quebec, H3A 1A1.

CHAIR, DEPARTMENT OF PSYCHOLOGY

Applications and nominations are invited for the position of professor (tenured) and Chair of the Department of Psychology at the University of Maryland, College Park (College of Behavioral and Social Sciences). Candidates should have a distinguished record of scholarship, a nationally recognized research program, a commitment to graduate and undergraduate teaching, and strong evidence of professional and academic leadership. Candidates should have a commitment to affirmative action and to working with faculty and students with diverse interests. A letter of application to: Dr. Jonathan Wilkenfeld, Chair, Search Committee, Department of Government and Politics, University of Maryland, College Park, MD 20742. Candidates should also send curriculum vitae, and names, addresses, telephone and FAX numbers of at least three individuals who could be contacted as references. For best consideration, applications should be received by October 15, 1992.

We particularly encourage nominations of women and minorities. The University of Maryland actively subscribes to a policy of Equal Educational and Employment Opportunities.

SIBIA is expanding its interdisciplinary research on therapeutics for neurodegenerative disorders. We are currently seeking candidates with experience in several areas, as follows:

MOLECULAR AND CELLULAR BIOLOGY, including cloning, cell culture and mammalian cell expression techniques;

NEUROPHARMACOLOGY, including in vitro and in vivo functional assay techniques ranging from single cell studies on cloned receptor subtypes to behavioral paradigms; and

MEDICINAL CHEMISTRY, including organic synthesis, peptide synthesis and modeling as it relates to receptor ligands and enzyme inhibitors.

SIBIA offers a salary commensurate with experience, excellent benefits, a superior work location and a national reputation. Send CV with names of three references to: Lynn Alba, c/o SIBIA, 505 Coast Boulevard South, Suite 300, La Jolla, CA 92037. EOE.
CHAIR OF BIOLOGY
Search Extended

Applications are invited for the position of Chairperson of the Department of Biology at the University of Louisiana, a state University with 25,000 students. The University has 18 faculty with 450 undergraduate majors and 50 students in M.S. and Ph.D. programs. The Department confers a Ph.D. in Environmental Biology across a broad spectrum of research interests ranging from molecular to ecosystem studies. Preference will be given to candidates whose research employs modern techniques and complement current Departmental strengths in environmental biology, including molecular systematics, bioremediation, physiological ecology, and aquatic ecology. Candidates are expected to have prior administrative experience, an outstanding record of research and extramural funding, and the academic credentials necessary for appointment as Professor with tenure. Screening of completed applications will start October 19, 1992. Send curriculum vitae, statement of research interests, and names and addresses of three references to: Dr. Joseph M. Steffen, Search Committee Chairperson, Department of Biology, University of Louisiana, Baton Rouge, LA 70803.

DIRECTOR
OREGON REGIONAL PRIMATE RESEARCH CENTER

The President of the Oregon Health Sciences University (OHSU) and the Board of Trustees of the Medical Research Foundation of Oregon (MRF) invite applications for the position of Director, Oregon Regional Primate Research Center (ORPRC). Sponsored by the NIH and MRF, ORPRC conducts basic and applied research with primates and other species uniquely suited for the solution of human health problems. ORPRC scientists also provide graduate and professional training. Center scientists have joint appointments and research collaborations at OHSU, Portland, Oregon.

Candidates are expected to be highly regarded scientists employing state of the art techniques in research programs that complement interests at ORPRC in developmental and reproductive sciences, neuroscience, molecular medicine or the pathobiology of metabolic and infectious diseases. Experience in academic or scientific administration is also important. Prior experience involving primate research is preferred. Send curriculum vitae with funding history, career goals, relevant experience and names of four references by October 31, 1992 to: Ms. Laurie Schweiker, ORPRC, 505 N.W. 185th Avenue, Beaverton, OR 97006, telephone: (503) 690-5210. ORPRC is an Affirmative Action/Equal Opportunity Employer.

DIRECTOR, GASTROENTEROLOGY RESEARCH:
Roger Williams Medical Center (RWMC) seeks a physician BC/BE in Internal Medicine/Gastroenterology to serve as Director of its Gastroenterology Research Division. Candidates must qualify for appointment to the Brown University faculty as ASSOCIATE/FULL PROFESSOR of Medicine. Requirements include a national/international reputation as an independent investigator, preferably in an area of research that complements the ongoing research efforts of the Digestive Disease Research Center, and demonstrated ability to compete successfully for external grant support. Approximately 75% of time will be devoted to the Research Director. Additional requirements include skills in research administration and strong leadership abilities.

The successful candidate will develop, maintain and evaluate all research activities in the Division of Gastroenterology at the Medical Center. Responsibilities include the supervision of graduate and undergraduate educational programs in the Division and at Brown University. Clinical duties include some participation in the inpatient and outpatient services. Interested candidates should send curriculum vitae by October 29, 1992 to: A. W. Weiberg, M.D., Chairman, Search Committee, Roger Williams Medical Center, 825 Chalkstone Avenue, Providence, RI 02908. Screening of applicants will begin on that date and continue until the search is successful or terminated. RWMC is an Equal Opportunity/Affirmative Action Employer and actively solicits applicants from minority and protected groups.

Applications are invited for a Readership/Senior Lectureship/Chairship within the Department of Psychology, tenable from January 1, 1993 and in either of the following areas:

1. Clinical Psychology
2. Applied Cognitive Psychology and Ergonomics

For (1), the appointee should have a Ph.D. degree with specialization in clinical psychology, and at least fifteen years of postdoctoral experience. Relevant working experience should include senior level administration of clinical programmes, teaching of postgraduate clinical psychology courses in a university setting, professional practice in clinical and consulting psychology, and research publications in clinically-related areas. In addition, familiarity with the Hong Kong culture and its clinical services system is highly preferable. The appointee shall function as the lead member in the Department's postgraduate clinical psychology programme. He or she shall be responsible for the programme's day-to-day administration, and participate in its teaching, supervision and research activities. Some undergraduate teaching may also be involved.

For (2), the applicant should have a Ph.D. degree with specialization in ergonomics, human performance and cognitive psychology. Research experience in experimental investigation of a relevant nature is required. Some teaching experience at an undergraduate level is preferred. Preference will also be given to applicants with a record of publications in related areas. In addition, familiarity with Hong Kong is preferable. The successful candidate will be required to teach undergraduate courses in the fields of ergonomics and cognitive psychology, and also to conduct experimental research in areas of interest.

Annual salaries (superannuable: under review) are on the scales: Reader HK$501,120 - HK$665,700 (9 points) (approx. US$64,246 - 85,346); Senior Lecturer HK$480,360 - HK$645,300 (9 points) (approx. US$61,585 - 82,730); Lecturer HK$396,120 - HK$516,480 (11 points) (approx. US$50,112 - 66,215) (Equivalent as at August 21, 1992). Starting salary will depend on qualifications and experience. At current rates, salaries tax will not exceed 15% of gross income. Children's educational allowances, leave and medical benefits are provided; housing or tenancy allowances are also provided at a charge of 7.5% of salary.

Further particulars and application forms may be obtained from the Faculty Secretary, Faculty of Social Sciences, The University of Hong Kong, Hong Kong (Fax (852) 517 0806; E-mail: HHURSOC@HKUVM.HKU.HK).

POSITIONS OPEN

DIRECTOR, DIVISION EXPERIMENTAL PATHOLOGY. The Department of Pathology and Laboratory Medicine of the University of Rochester is conducting a search for a scientist to be appointed Director of the Experimental Pathology Division and George Hoyt Whipple Laboratory and Tumor and Laboratory Medicine. Research goals of this newly reorganized division center on the elucidation of the cellular and molecular basis of cancer. The appointee will provide leadership to enhance and expand the scientific endeavors of the Department through recruitment of additional faculty and graduate and postgraduate trainees and coordinated activities with the division. Applications from individuals with M.D., M.D./Ph.D., or Ph.D. degree are welcome.

Interested candidates should submit by November 15, 1992, curriculum vitae and other credentials to: Search Committee for Director, Experimental Pathology Division, Department of Pathology, University of Rochester Medical Center, 601 Elmwood Avenue, Box 608, Rochester, NY 14642 (USA); Telephone: 716/275-5891. The University of Rochester is an Equal Opportunity Employer (M/F).

DIRECTOR OF MOLECULAR DIAGNOSTICS. University of Massachusetts Medical Center, Department of Pathology, invites nominations and applications for the position of Director of Molecular Diagnostics. University of Massachusetts Medical Center is seeking a candidate for a new position of Director of Molecular Diagnostics. A successful candidate will have an M.D. or Ph.D. in molecular biology or molecular medicine. A faculty appointment in molecular biology/molecular genetics and experience in practical applications to a clinical setting, i.e., cytogenticists, HLA tissue typing, microbiology, and pre-natal care research and investigation. The individual will have experience in teaching, research, and generating extramural funding. Faculty rank and salary will be commensurate with experience.

Candidates please send resume to: L. Michael Snyder, Department of Pathology, University of Massachusetts Medical Center, 55 Lake Avenue North, Worcester, MA 01655. An Affirmative Action/Equal Employment Opportunity Employer.

CHEMIST/BIOCHEMIST. Kemin Industries, Inc., a leading manufacturer of animal feed ingredients, has an immediate opening in its research and development department for a RESEARCH MANAGER. The Research Manager will report directly to the Vice President of R & D, and will have principal responsibility for invention of new products in the area of enzyme additives to animal feeds. Major job functions also include assays, outside oral presentations and participation in peer reviewed and report writing. The successful candidate is required to have an advanced degree in biochemistry or an allied field. Experience in animal nutrition is helpful, but not required. The candidate must have a strong background in enzymatic enzyme purification techniques and in vivo modeling is desired. Job offer is conditional on passing a medical examination including a drug screen. Smoking is prohibited in all buildings. Kemin Industries is an Equal Opportunity Employer. Please forward your resume to: Dr. C. E. Nelson, Vice President of Research and Development, P.O. Box 70, Des Moines, IA 50301.

LABORATORY DIRECTOR, BIOLOGICAL SCIENCES. Our client, an innovative Bay Area pharmaceutical company, is seeking an experienced and creative Mycologist to oversee the discovery and preclinical development of potential therapeutic agents with antifungal activity. She/He will lead and technical personnel in pharmacology/toxicology, mycology and virology, as well as act as liaison between the company and its corporate partner, a major pharmaceutical company. The successful candidate will have at least five years of pharmaceutical industry experience, a strong working knowledge of mycology and virology and will be expected to have an active role in drug development. She/He will also possess excellent interpersonal communications, management and leadership skills. The position requires a Ph.D. in mycology, virology, mycology, virology or a similar area. Qualified candidates should submit their resume, list of publications and cover letter by October 31 1992 to: Dr. XXX, PO Box, 999, San Francisco, CA 94105-1522. Our client is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

COLUMBIA-PRESBYTERIAN MEDICAL CENTER—NEW YORK CITY, RESEARCH DIRECTOR. The Department of Anesthesiology is developing a new position for an M.D., M.D./Ph.D., or Ph.D. to direct our research effort. We are developing a significant financial base for research, with the goal of establishing an endowed chair, to enable a qualified scientist to build an outstanding research program. We seek an established investigator with extensive research experience in anesthesiology or related fields (pharmacology, physiology, neurobiology), who would be willing and able to direct and encourage younger investigators, while carrying institutional and/or university research budgets. The individual should be skilled and accomplished in writing grant applications and have been awarded outside funding for research. Please submit curriculum vitae, a current grant support, and a cover letter outlining scientific research interests and career goals to: David D. Miller Jr., M.D., E.M. Pappas Professor and Chairman, Department of Anesthesiology, College of Physicians and Surgeons, Columbia University, 630 West 16th Street, New York, NY 10032. Columbia University is an Affirmative Action/Equal Employment Opportunity Employer.

SITE MANAGER, APACHE POINT OBSERVATORY. We seek an individual with excellent technical management skills to assume responsibility for instruments, facilities and operations at Apache Point Observatory. Duties include assisting the Site Director in planning and budget preparation. Excellent oral and written communication skills are required. The Site Manager must be able to provide motivated, highly trained and resident technical staff and interact well with visiting scientists and engineers. A strong experimental background with demonstrable management skills is desired. A bachelor's degree in engineering or the physical sciences, with five years of related experience, is required. Salary will be commensurate with background and experience. Please send a current resume to: Point Observatory, 1600 East Central Avenue, Socorro, New Mexico, 87505. Equal Opportunity Employer.

THREE FACULTY POSITIONS are open in the Graduate Department of Nutrition of Case Western Reserve University. The fields are (1) clinical and metabolic biochemistry using stable isotopes (mass spectrometry, NMR), (2) molecular nutrition emphasizing the development of treatments for nutritional disease, and (3) metabolic nutrition, with emphasis on experimental pathogenesis. Students are expected to develop independent research programs, participate in graduate teaching and in the training of graduate and postgraduate students, and to present data at national and international meetings through written, oral, and poster presentations. Opportunities for publication in top nutrition journals, repre- sentative reprints, research grants and teaching interests, and three letters of reference by November 30, 1992, for J. B. Slavin, Department Chairman, Department of Nutrition, Case Western Reserve University, Cleveland, OH 44106. Case Western Reserve University is an Equal Opportunity Employer and encourages applications from minorities and women.
THE WISTAR INSTITUTE invites applications for Assistant Professor level positions in the following research programs:

- **Developmental Biology** - The program focuses on the molecular control of mammalian embryogenesis with a thrust on pre- and early post-implantation embryogenesis. We seek expertise in development of the hemopoietic, nervous and cardiovascular systems.

- **Molecular Genetics** - The aim of the program is to understand the mechanisms involved in gene expression, malignancy and tumor progression. We are looking for expertise in genome analysis, in gene transfer and in homologous recombination.

- **Molecular Immunology** - The program conducts research in: the molecular regulation of immune cells, the molecular basis of tolerance and autoimmunity and the molecular basis of B and T cells responses to viruses. We are interested in an investigator working in the field of cell-cell interactions and signalling in the immune system and/or molecular mechanisms of activation of lymphocytes and inflammatory cells.

The Wistar Institute is located on the University of Pennsylvania campus and is equipped with the latest biotechnology support facilities. Send curriculum vitae and the names of three references to:

Faculty Search Committee
THE WISTAR INSTITUTE
36th & Spruce Streets
Philadelphia, PA 19104

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**CHAIRMAN**

Department of Electrical, Computer, and Systems Engineering

Boston University's College of Engineering invites applications and nominations for the position of Chair, Department of Electrical, Computer, and Systems (ECS) Engineering. We anticipate a tenured faculty appointment at the rank of Professor for a prominent researcher with excellent leadership skills along with administrative and teaching experience.

In recent years Boston University has invested more than $110 million in new science and engineering facilities, and has significantly enhanced the scope and prominence of research and graduate programs in engineering while maintaining the strength of our undergraduate programs. The ECS Department now consists of 35 full-time faculty, teaching and performing research in diverse areas including materials and devices, electromagnetics, space science, software engineering, computer communications, VLSI/CAD, speech and signal processing, and computer testing. Collaborations with other University departments, local facilities such as the Massachusetts Microelectronics Center, and Boston-area industry contribute to the research environment of the department. There are presently about 50 doctoral candidates, 250 master's students, and 500 undergraduates in our ABET-accredited programs.

The new Chair will be expected to provide academic and administrative leadership in a period of continued departmental growth and development, while pursuing a significant research program of his or her own. Considerable resources and infrastructure have been and will be put in place to help make this a realistic expectation for an outstanding candidate.

Direct applicants should send a letter of interest, curriculum vitae, and the names of three references. Indirect nominations should include information about the prospective candidate, and the nominee's vita if possible. Full review of applications will begin November 1, 1992. All correspondence should be addressed to: Search Committee — ECS Chair, Boston University, 44 Cummington Street, Room 301, Boston, MA 02215.

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**CELL BIOLOGY**

**Full Professor (C4)**

University of Münster
FR-Germany

The University of Münster has established a research center for "Molecular Biology of Inflammation." It will finally comprise five new institutes and five associated research groups. The first three institutes for molecular virology, infectiology and experimental pathology have been founded. For the forth institute the position of a full professorship (tenure) in cell biology is now offered. The appointee candidate will be director of the newly founded institute in accordance with the regulations of § 29 WissHG.

Applicants should have a scientific interest in one of the cell systems, involved in inflammatory processes, preferably the endothelium, and should be experienced in molecular biology. Participation in regular basic teaching is expected. Applicants from abroad are encouraged.

Please send curriculum vitae, bibliography, an outline of research interests and of teaching experiences to:

Dekan der Medizinischen Fakultät, Domagkstraße 3, D-4400 Münster, FR-Germany.

Closing date: October 30, 1992
Telephone: 0049251/835490; Telefax: 0049251/835004.
**FACULTY POSITION**

The Department of Biochemistry of the University of Vermont College of Medicine invites applications for a tenure-track position. Rank and salary are negotiable and commensurate with experience and accomplishments. Preference will be given to established investigators with a strong record of excellence in research, as evidenced by a distinguished record of grant funding and peer-reviewed publications. Applications are invited from individuals whose research emphasizes molecular biological approaches which may include the application of new techniques in areas of collaborative research programs. Faculty members must be able to participate in the graduate and professional school programs with immediate effect. Applications from women and minority candidates are particularly encouraged. The position is available July 1, 1993.

**APPLICATIONS TO:**

Dr. Peter Palese, Department of Microbiology and Immunology, Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029-6754. An Equal Opportunity Employer.

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**POSITIONS OPEN**

**MICROBIOLOGY**

Entry level, tenure-track. To teach introductory microbiology and introductory biology courses. Ph.D. required, 15 credit hours per quarter. To be filled either January 1 or September 1, 1993. Applicants should send curriculum vitae, names, and addresses of three referees to: Dr. William Wellnitz, Biology Department, Augusta College, Augusta, GA 30908. This position is available as an Affirmative Action/Equal Opportunity Employer. Applications are invited from minorities and women.

**INSTRUCTOR**

DEPARTMENT OF PHARMACOLOGY

The Department of Pharmacology at U.T. Southwestern Medical Center invites applications for an Instructor position. The successful applicant should have the Ph.D. degree or equivalent in biochemistry and a strong background in the characterization and identification of contractile proteins associated with non-muscle motility. Experience in the use of reagents and techniques for the characterization of macromolecules. Applications should be sent to: Dr. Joseph P. Albanesi, Department of Pharmacology, U.T. Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75235-9041. U.T. Southwestern Medical Center is an Equal Opportunity Institution.

**FACULTY POSITION:**

MOLECULAR BIOLOGY

**MOLECULAR ViroLOGY**

The Division of Molecular Virology at Baylor College of Medicine invites applications for a tenure-track faculty position. Rank is open and dependent on qualifications. An innovative scientist is sought, and an established research program is desirable. Preference will be given to individuals whose research emphasizes molecular biological approaches which may include the application of new techniques in areas of collaborative research programs. Faculty members must be able to participate in the graduate and professional school programs with immediate effect. Applications from women and minority candidates are particularly encouraged. The position is available July 1, 1993.

**APPLICATIONS TO:**

Dr. Peter Palese, Department of Microbiology and Immunology, Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029-6754. An Equal Opportunity Employer.

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**POSITIONS OPEN**

**PROFESSIONAL EDUCATOR**

To develop innovative non-traditional methods of surgical instruction to teach psychomotor skills and manipulative techniques necessary to practice surgery.

Desirable qualifications include advanced training in education, experience teaching psychomotor skills in health-care settings, or higher education and experience with computer-aided teaching methods.

Submit curriculum vitae, list of publications, and names of at least four references to: Dr. J. Pascoe, Department of Surgery, School of Veterinary Medicine, University of California, Davis, CA 95616. Applications accepted through November 1, 1992, or until a suitable candidate is identified. The University of California is an Affirmative Action/Equal Opportunity Employer.

**ACADEMIC CARDIOLOGISTS—Tulane University**

A developing Cardiology Section seeks academically committed individuals for tenure-track positions. A variety of opportunities are available in invasive and noninvasive cardiology, electrophysiology and basic research. Applications will be accepted until a qualified candidate is selected. Interested individuals should send curriculum vitae and names of three references to: Andrew J. Buda, M.D., Chief, Cardiology Section, SL-48, Tulane University School of Medicine, 1430 Tulane Avenue, New Orleans, LA 70112. Affirmative Action/Equal Opportunity Employer.

**CASE WESTERN RESERVE UNIVERSITY**

**FACULTY POSITION**

The Department of Molecular Biology and Microbiology at Case Western Reserve School of Medicine invites applications for a junior or intermediate level, tenure-track position from individuals interested in the basic biology of prokaryotes. We are interested in individuals with research interests in molecular aspects of microbial pathogenesis, the molecular genetics of bacteria or bacteriophage, or microbial responses to environmental stimuli. The department offers excellent teaching responsibilities, close faculty interaction, and an expanding graduate student population, all of which contribute to an excellent research environment. Collaborations within the University and among the Medical School faculty are encouraged. Competitive start-up funds will be available to the successful applicant. Applications will be accepted until the position is filled. Candidates are expected to have strong qualifications and will be expected to continue the research programs. Applications should be sent to: Dr. Fritz Rotten, Chairman, Department of Molecular Biology and Microbiology, Case Western Reserve University School of Medicine, 1000 Euclid Avenue, Cleveland, OH 44106-4960.

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**POSITIONS OPEN**

**CARDBOQUR:VHOR***

**MOLECULAR BIOLOGY AND GENETICS**

The rapid growth of the Cardiovascular Research Center at the Medical College of Wisconsin has opened new opportunities for expanded research in cardiovascular, molecular biology, and genetics. The Department of Physiology, Pharmacology, and Medicine are seeking to fill three full-time faculty positions with scientists who have training in areas related to these disciplines. Candidates must have a Ph.D. and/or M.D. degree with three years or more of postdoctoral research experience in mammalian molecular biology and genetics. Interested individuals should submit a curriculum vitae, a description of their research interests and plans, and arrange for three letters of recommendation to be sent to: Ms. Joyce Kato, Immunology and Cell Biology Search Committee, Division of Biology 147-75, California Institute of Technology, Pasadena, CA 91125. The California Institute of Technology is an Equal Opportunity/Affirmative Action Employer and encourages the applications of qualified women and minorities.

**PLANT/MAIZE MOLECULAR GENETICIST**

The Department of Zoology and Genetics seeks applicants for a TENURE-TRACK POSITION at any academic level. Plant molecular biologists using genetic approaches are encouraged. Applications will be considered from individuals whose research includes the use of molecular biology techniques in studies of plant development. Laboratory space, including a temperature-controlled growth chamber, is available within the new Biological Sciences Building, and a highly productive, cooperative research environment is available within the Department of Zoology and Genetics. Candidates should have a Ph.D. and demonstrate expertise with molecular biological techniques. Applications are encouraged from women and minority candidates. The position is available September 1, 1993.
The RW Johnson Pharmaceutical Research Institute-Sydney is accepting applications for Senior Scientist, Scientist, and Postdoctoral Fellow positions. Johnson & Johnson have recently established RWJ PRI-Sydney in modern research laboratories at Rushcutter’s Bay near the center of Sydney. The Institute is closely associated with St. Vincent’s Hospital, The University of New South Wales, and a number of Australian and international collaborators.

The RWJ PRI-Sydney research program focuses on genetic strategies for the treatment of human disease and is composed of two interacting programs: an Anti-Viral Unit and a Gene Therapeutics Unit. Work within the Anti-Viral Unit concentrates on agents effective against human viruses and research on human haematopoietic stem cells and cancer. Research in the Gene Therapeutics Unit explores the design, delivery, and genetics of nucleic acid sequences which efficiently neutralize disease genes in vivo.

Postdoctoral and Scientist positions require a PhD or MD degree, a strong background in cell and/or molecular biology, a record of accomplishment, and a commitment to gene therapy. The Institute has an interdisciplinary basic and applied research program where scientific productivity including publication is the major priority for advancement. RWJ PRI-Sydney offers attractive remuneration packages, a stimulating research environment, and significant opportunity for professional development. All enquiries will be held in confidence and should be sent with names, addresses, and contact numbers of three referees to:

Dr. Wayne Gerlach, Director
RW Johnson Pharmaceutical Research Institute-Sydney
GPO Box 3331, Sydney 2001 NSW, Australia
FAX: 61-2-360-9813

HYGEIA Pharmaceuticals, Inc.
Staff Scientist Positions
- Protein Chemist
- Molecular Biologist

HYGEIA Pharmaceuticals, Inc., will be seeking MS and Ph.D. level individuals to join our team of scientists on large-scale purification of antibodies. Preference will be given to candidates who have had experience in protein chemistry; in particular MAb isolation and purification.

In addition, individuals at the MS and Ph.D. level are being sought to join our molecular biology team. Preference will be given to those candidates who have had experience in cloning and sequencing of antibody and tumor antigens.

Interested candidates should forward their curriculum vitae to:

Human Resources
HYGEIA Pharmaceuticals, Inc.
6555 Nancy Ridge Dr., #300
San Diego, CA 92121

FACULTY POSITION IN DEVELOPMENTAL BIOLOGY

The Center for Advanced Biotechnology and Medicine (CABM) and the Department of Pediatrics, UMDNJ-Robert Wood Johnson Medical School are seeking an outstanding investigator for joint appointment as a tenured-track faculty member. Applicants should hold a PhD and/or MD degree and have a strong commitment to a basic research program in fundamental aspects of development. The successful candidate will occupy new laboratory space in the CABM building and join a growing life sciences community on the Busch campus where there are opportunities to participate in a variety of UMDNJ and Rutgers University graduate programs. Please provide a CV, brief research plan and 3 references to Dr. Aaron J. Shatkai or Dr. David Drucker, Search Committee, 679 Hoes Lane, Piscataway, NJ 08854-5538. The UMDNJ is an Affirmative Action/Equal Employment Opportunity Employer, m/f/h.

CABM is a molecular biology research program jointly administered by UMDNJ, NJ’s university of the health sciences, and Rutgers University. It is funded by the NJ Commission on Science and Technology and by industry, public and private sources.

Harvard Medical School FACULTY Signal Transduction & Cellular Regulation

The Joslin Diabetes Center with the support of the Lucille P. Markey Charitable Trust is expanding its program in signal transduction and cellular regulation. Positions are available for qualified M.D.s and/or Ph.D.s with expertise in the areas of peptide hormone, growth factor, and cytokine action, hormonal regulation of gene expression, vascular cell biology, molecular genetics and transgenic animal research as it might apply to studies of the pathogenesis of diabetes or its complications. Academic appointment at Harvard Medical School appropriate to seniority. Women and minorities are encouraged to apply.

Interested individuals should send a curriculum vitae and the names and telephone numbers of three possible references to Dr. C. Ronald Kahn, Joslin Diabetes Center, One Joslin Place, Boston, MA 02215.

An Equal Opportunity Employer.
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ORGANIC. Assistant or Associate Professor. We are interested in a person who shows unusual promise as a researcher and teacher and whose area of research compliments existing programs.

Candidates should send a curriculum vitae, list of publications, and a brief description of research plans. Assistant Professor applicants should arrange to have three letters of reference sent directly. Senior applicants will be consulted for letters of evaluation.

Applicants should respond by Oct. 16, 1992. Review of candidates will be completed and interviews begin shortly thereafter. We strongly encourage applications from minorities and women. Respond to:

PROF. RICHARD L. LINTVEDT, CHAIR
217 CHEMISTRY
WAYNE STATE UNIVERSITY
DETROIT, MI 48202

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Graduate and Post-Doctoral Fellows are selected on the basis of demonstrated excellence in their studies and promise of distinction in their chosen fields of specialization.

Graduate Fellowships at Hebrew University are only intended for students enrolled in a Doctoral program abroad who wish to study or use library facilities here. At Technion, Fellowships are awarded at Master's and Doctoral levels.

Post-doctoral applicants to the Hebrew University may apply not later than 3 years after completion of their doctoral dissertation.

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Visiting Professorships are intended for candidates with the rank of Full or Associate Professor at their own institution. They are tenable from one semester to a full academic year. The grant includes a professorial salary and travel.

Deadline: November 30, 1992

Requests from applicants (including Israelis), indicating category of Fellowship, should be sent to above address.

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Division of Biology
201 Ackert Hall
Kansas State University
Manhattan, KS 66506
FAX: 913-532-6653

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**SALEM-TEIKYO UNIVERSITY POSITIONS OPEN**

Salem-Teikyo University of Salem, West Virginia, and Tampa Bay Research Institute of St. Petersburg, Florida, plan to develop a joint Graduate Program in Biotechnology. In anticipation of the establishment of this program, several positions at the rank of Assistant, Associate or Professor levels will be considered:

The focus of the research will be in the study of human virus latency and persistent infection. Related areas of study such as oncogene, regulation of gene expression, lymphokine/cytokine studies will also be considered. Capability of teaching in the area of enzyme, membrane, protein and nucleic acids at the graduate level will be desirable.

Salem-Teikyo University, already committed to strengthen its Undergraduate training in Molecular Biology/Biotechnology, is planning to establish a Graduate Program to be implemented in the Fall of 1993.

Successful candidates will have their research programs located at the Tampa Bay Research Institute facility in St. Petersburg, Florida.

Tampa Bay Research Institute is based in a modern facility with excellent individual laboratory, and office space, and centralized facilities including a Biotechnology Service Laboratory, transgenic mice and in-house DNA sequence database.

Investigators will enjoy complete freedom to pursue their research goals. While generous program support is provided, scientists are expected to secure extramural funding.

Applicants should have a Ph.D. or equivalent. Interested individuals should send curriculum vitae, list of publications, a short statement of research achievements, and names and addresses of three references to the Chairman, Search Committee, Salem-Teikyo University, Salem, WV 26426. Applications are accepted until the vacancies are filled.

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POSITIONS OPEN

FACULTY POSITION in Natural Resources Remote Sensing, Photogrammetry, and GIS, University of California, Berkeley, to start July 1, 1993. ASSISTANT OR ASSOCIATE PROFESSOR (tenured level depending on qualifications); 50/50 teaching/research. Ph.D. in natural resources required. Preference to applicants with experience in related fields. To: Dr. Greg Biging, Chair, Search Committee, Department of Forestry and Resource Management, 145 Mulford Hall, UC Berkeley, Berkeley, CA 94720. For information about our faculty search in remote sensing and GIS, and participation in Summer Field Instruction. Send application, résumé, list of publications, transcripts and three letters of reference prior to November 10, 1992 to: Dr. Greg Biging, Chair, Search Committee, Department of Forestry and Resource Management, 145 Mulford Hall, UC Berkeley, Berkeley, CA 94720.

THE SCHOOL FOR FIELD STUDIES in conjunction with Northeastern University FULL-TIME FACULTY POSITIONS AND SUMMER FACULTY Conservation Biologists and Resource Management Professionals needed for various worldwide locations—Baja, Mexico; Caribbean; Costa Rica; Kenya; and Australia. Applications: Ph.D. or M.S. minimum, field and research experience in the region, years of teaching at the undergraduate level or applied experience, leadership abilities, management experience, and ability to work in the natural resource problems. Teaching responsibilities include an undergraduate course in photogrammetry/photography or GIS, a graduate seminar in remote sensing and GIS, and participation in Summer Field Instruction. Send application, résumé, list of publications, transcripts and three letters of reference prior to November 10, 1992 to: Dr. Greg Biging, Chair, Search Committee, Department of Forestry and Resource Management, 145 Mulford Hall, UC Berkeley, Berkeley, CA 94720. For information about our faculty search in remote sensing and applications to natural resource problems. Teaching responsibilities include an undergraduate course in photogrammetry/photography or GIS, a graduate seminar in remote sensing and GIS, and participation in Summer Field Instruction. Send application, résumé, list of publications, transcripts and three letters of reference prior to November 10, 1992 to: Dr. Greg Biging, Chair, Search Committee, Department of Forestry and Resource Management, 145 Mulford Hall, UC Berkeley, Berkeley, CA 94720.

NEUROSCIENCES—Full-time, tenure-track faculty positions open for neuroscientists (neurobiologists, neurophysiologists, and neuromorphologists) with experience in the cellular/ subcellular level (cell/molecular biology). Teaching responsibilities include courses in neuroanatomy, and electrophysiology and applications to natural resource problems. Teaching responsibilities include an undergraduate course in photogrammetry/photography or GIS, a graduate seminar in remote sensing and GIS, and participation in Summer Field Instruction. Send application, résumé, list of publications, transcripts and three letters of reference prior to November 10, 1992 to: Dr. Greg Biging, Chair, Search Committee, Department of Forestry and Resource Management, 145 Mulford Hall, UC Berkeley, Berkeley, CA 94720.

POSITIONS OPEN

FACULTY POSITION in Paper Science and Technology (PST) is seeking applicants for two FACULTY POSITIONS that include a tenure-track level, research project leadership, graduate student advising, and participation in industry-sponsored research on paper propagation. Qualifications include a Ph.D. in biology with a research emphasis in forest biology, and teaching experience in microbiology, molecular biology, or tissue culture. Applicants should send a cover letter, résumé, and a complete publication record demonstrating productivity and expertise. The candidate will join a core group of four investigators working in this area. Salary, start-up funding, and the opportunity is committed for this recruitment. Submit curriculum vitae, names of three references, and a short statement of research interests to: Bernard R. Chaitman, M.D., Director, Division of Cardiology, Saint Louis University Medical Center, Cardiology Division, 3635 Vista Avenue at Grand Boulevard, P.O. Box 18250, St. Louis, MO 63110-0250. Equal Employment Opportunity/Affirmative Action Employer M/H/F.

RETROViroLOGY FACULTY POSITION MEDICAL COLLEGE OF WISCONSIN The Department of Microbiology invites applications for a tenure-track faculty position in retrovirology. Individuals with demonstrated research competence in molecular biology, immunology, or pathogenesis—areas which complement funded research programs within the department—are encouraged to apply. The position offers the opportunity for collaboration with investigators in the Cancer Center, Bone Marrow Transplant Program, and Vector Core. Send three major publications, and list of current publications. Send curriculum vitae, a detailed statement of research skills and experience, and letter of interest to: SFS Faculty Search, The School for Field Studies, 16 Broadway, Beverly, MA 01915.

CELL/MOLECULAR BIOLOGIST The Department of Biological Sciences at the University of Notre Dame invites applications for a tenure- track faculty position from individuals with expertise in cell biology. The successful candidate is expected to develop and maintain an active research program. Areas of research interests include, but are not restricted to, membrane and organelle dynamics, intercellular communication, signal transduction, and cellular regulation. Teaching responsibilities include an undergraduate course and laboratory course in cell biology. The University of Notre Dame offers competitive salary, seed money, and state of the art research facilities. Applicants should submit curriculum vitae, a statement of research and teaching interests, and names of three references by November 15, 1992 to: Dr. Joseph O. Tousa, Department of Biological Sciences, University of Notre Dame, Notre Dame, IN 46556. The University of Notre Dame is an Affirmative Action/Equal Opportunity Employer.

PARASITE IMMUNOLOGIST The Department of Biological Sciences, University of Notre Dame, invites applications for a tenure-track position in PARASITE IMMUNOLOGY. Applicant's areas of interest should include immunological aspects of host-parasite relationships. We offer seed money, modern equipment, salary, research laboratories, a competitive salary, outstanding teaching environment, and research facilities. Applicants should submit curriculum vitae, a detailed statement of research interests and plans for the first year, and names of three references. Please send letter of interest, vitae, and three letters of recommendation to: Dr. Howard J. Saz, Department of Biological Sciences, University of Notre Dame, Notre Dame, IN 46556. Applications will be reviewed starting November 1, 1992. Notre Dame is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FACULTY POSITION Candidates are sought for a research associate assistant professor level position to help run research projects focused on accelerated atherosclerosis and left ventricular remodelling in post-infarction and cardiovascular molecular biology is desirable. Position requires background in southern and northern blot analysis, reported gene, ELISA, protected assays, gene sequencing, signal sequencing, in situ hybridization, etc. The individual should expect to develop independent research projects within this program, have a Ph.D. or M.D./Ph.D., and a demonstrated publication record demonstrating productivity and expertise. The candidate will join a core group of four investigators working in this area. Salary, start-up funding, and the opportunity is committed for this recruitment. Submit curriculum vitae, names of three references, and a short statement of research interests to: Bernard R. Chaitman, M.D., Director, Division of Cardiology, Saint Louis University Medical Center, Cardiology Division, 3635 Vista Avenue at Grand Boulevard, P.O. Box 18250, St. Louis, MO 63110-0250. Equal Employment Opportunity/Affirmative Action Employer M/H/F.


RESEARCH BIOLOGIST, AGRO-ECOLOGY ARCHBOLD BIOLOGICAL STATION Applications are sought for a new, permanent Research Biologist to conduct and coordinate ecological research at the MacArthur Agro-ecology Research Center, a division of the Archbold Biological Station in south-central Florida. Biologist conducts an original research program, and helps coordinate research projects by multiple investigators. Salary is competitive with a PhD. in ecology, 3 years experience in field ecology, 3 years experience in laboratory ecology, and 3 years experience in data collection and analysis. Applicants should submit curriculum vitae, a letter of interest, and three letters of recommendation to: Dr. Scott R. Diehl, Human Genetics & Psychiatry, Box 710, Medical College of Virginia, Richmond, VA 23298-0710. C.V./L. is an Equal Opportunity/Affirmative Action Employer. Women, minorities and persons with disabilities are encouraged to apply.

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This 42-page special section, reprinted from the 29 November issue of Science, is your entry to the expanding world of small-scale engineering. It's a field that spans microelectronics, materials science, chemistry, molecular biology, and microscopy. In this special section, ten illustrated articles by research leaders and by science journalists present the full scope of this small world.

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DEPARTMENT OF PHARMACOLOGICAL AND PHYSIOLOGICAL SCIENCE

Saint Louis University Medical Center

Applications are invited for faculty positions in the Department of Pharmacological and Physiological Science at Saint Louis University Medical Center. Positions are tenure track appointments at the Assistant or Associate Professor level. We offer an environment rich in senior level scientific experience, start up funds, laboratory space and a record of highly successful and continuing extramural research funding. Preference will be given, but not restricted, to individuals with demonstrated experience in the application of molecular biology to research in the nervous, cardiovascular and endocrine systems. Interested persons should send a curriculum vitae, three letters of reference and a description of research interests and objectives to:

Dr. Thomas C. Westfall
Professor and William Beaumont Chair
Department of Pharmacological and Physiological Science
Saint Louis University Medical Center
1402 South Grand Boulevard
St. Louis, MO 63104

Saint Louis University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

U.S. DEPARTMENT OF ENERGY

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P.O. Box 117
Oak Ridge, TN 37831-0117
(615) 576-7385
Positions Open

Postdoctoral Position

Postdoctoral position available to study ionocytes of human aldehyde dehydrogenase. Experience in protein chemistry and/or enzymology and enzyme kinetics is an advantage. Salary commensurate with experience. Submit curriculum vitae and letters of reference to: Dr. Regina Pietruszko, Center of Alcohol Studies, Rutgers University, Busch Campus, Piscataway, NJ 08855-3969. Equal Opportunity/Affirmative Action Employer.

Postdoctoral Position in Biochemistry

Available immediately for the study of the genes encoding subunits of mammalian mitochondrial dimer multienzyme complex. The candidate must have completed the study of a Ph.D. in biochemistry or molecular biology within the past three years. Experience in recombinant DNA methods and cell culture is required. Send curriculum vitae including publications and names, addresses, and telephone numbers of three references to: Dr. David T. Chuang, Department of Biochemistry, University of Texas (UT) Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75235-9036, FAX: 214-688-8856. UT Southwestern is an Equal Opportunity Employer.

Postdoctoral Position in Immunology

Available immediately for study of a Ph.D. candidate in viro immunology, with interests in recombinant DNA techniques and/or protein chemistry. Send curriculum vitae, description of research interests, and names and addresses of three references to: Dr. Roger Ficken, Department of Immunology/Microbiology, Rush-Presbyterian-St. Luke's Medical Center, 1653 West Congress Parkway, Chicago, IL 60612. Telephone: (312) 942-2808. Rush is an Equal Opportunity/Affirmative Action Employer.

Postdoctoral Positions

Available immediately to study the molecular genetics of Borrelia species and the use of in vitro amplification DNA probe assays for the diagnosis of Lyme disease. Applicants should have a Ph.D. degree and experience in recombinant DNA and molecular biology procedures. Please send curriculum vitae and the names of three references to: Dr. Roger Ficken, Department of Immunology/Microbiology, Rush-Presbyterian-St. Luke’s Medical Center, 1653 West Congress Parkway, Chicago, IL 60612. Telephone: (312) 942-2808. Rush is an Equal Opportunity/Affirmative Action Employer.

Postdoctoral Positions in Toxicology

Pharmacology Department

Marshall University School of Medicine

One position is for the synthesis of drug/chemical metabolites and conduct of drug metabolism/renal toxicity studies. Second position is in vitro and in vivo renal/hepatic toxicity studies. Positions are open until filled. Send resume to: Dr. Gary Rankin, Department of Pharmacology, Marshall University School of Medicine, Huntington, WV 25755–9310. Equal Opportunity Employer/Affirmative Action Employer.

Postdoctoral Position

To study preimplantation development in the mouse embryo. Research will focus on isolation and identification of developmentally regulated genes and the role of genomic imprinting in early development. Send curriculum vitae and letters of reference to: Dr. K. Latham, The Pites Institute for Cancer Research and Animal Science, Temple University School of Medicine, 3307 North Broad Street, Allied Health Building, Room 306A, Philadelphia, PA 19140. Equal Opportunity Employer, M/F/D/V.

Positions Open

Postdoctoral Position

Plant Molecular Biology

Postdoctoral Position available immediately for research in studying transcriptional regulatory elements and protein function of DNA bound transcription factors. Send curriculum vitae to: Dr. Betty E. Nickels, Department of Plant Pathology and Crop Physiology, Louisiana State University, Baton Rouge, LA 70803. Telephone: (504) 388-1380. An Equal Opportunity Employer.

Postdoctoral Position

DNA-Protein Interactions

Position available immediately for studies of protein interactions with DNA. Send curriculum vitae and letters of reference to: Dr. Linda Jen-Jacobson, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA 15260. An Equal Opportunity/Affirmative Action Employer.

Postdoctoral Position

Cell Biology

Postdoctoral position available immediately to join ongoing projects related to gene delivery to the central nervous system. Background in behavioral assessment of cognitive performances of rats essential. Also, experience with biostatistics, in vivo microdialysis, immunohistochemistry and in situ hybridization techniques preferred. Send curriculum vitae, description of research experience, and names of three references to: Dr. Fred H. Gage, Department of Neurosciences, UCSD, Clinical Sciences Building, La Jolla, CA 92039–0627.

Postdoctoral Positions

Available for training in molecular and cellular biology of mammalian immune systems and regulatory mechanisms. Ph.D. in one of the biological sciences are invited to apply. Send curriculum vitae to: Dr. Peter Holloway, Department of Reproductive Biology, CB# 7500, MacNider Building, University of North Carolina, Chapel Hill, NC 27599–7500.

Postdoctoral Positions

Available immediately to study structure-function relationships of metallothionein related to its roles in Zn and Cd biochemistry (Dr. C. Frank Shaw III) and (2) biologic studies of metallo-lobumycin-DNA complexes which cause DNA strand cleavage (Dr. David H. Petering). Send curriculum vitae and three letters of reference to: Dr. Shaw or Dr. Petering, Department of Chemistry, University of Wisconsin–Milwaukee (UWM), F.O. Box 413, Milwaukee, WI 53201. UW-M is an Equal Opportunity/Affirmative Action Employer.

Postdoctoral Positions

Available immediately to join a highly interactive, interdisciplinary research program focused on studies of salivary gland-specific gene expression (e.g., J. Biol. Chem. 265:3532, 1991; Gene 106:261, 1991). Approach involves construction of cDNA expression libraries and the utilization of RNA and cell differentiation models. Strong background in molecular biology essential; experience with gene targeting approaches in mouse ES cells preferred. Applicants must be U.S. citizens or have permanent resident status. Submit curriculum vitae and two letters of reference to: Dr. Lawrence A. Tabak, Department of Dental Research and Biochemistry, University of Rochester, 601 Elmwood Avenue, Box 611, Rochester, NY 14642, Telephone: (716) 275-3441/FAX: (716) 473-2679.

The University of Rochester is an Equal Opportunity/Affirmative Action Employer.
The Neuroscience and Aging Institute of Loyola University Chicago is now recruiting two postdoctoral fellows for a period of two years each. Trainees with a Ph.D. and/or M.D. degree will participate in an interdisciplinary Neuroscience Research Program involving faculty in the departments of Cell Biology, Neurobiology and Anatomy, Molecular and Cellular Biochemistry, Neurology, Pharmacology, Physiology, and Psychiatry on the Medical Center campus in Maywood, Illinois. Stipends are competitive.

The major areas of research focus are:

**NEURODEGENERATIVE DISEASES** Alzheimer's and Parkinson's diseases, Substance Abuse, Altered function in aging

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**NEUROTOXICITY** Alcohol, β-carbolines, MPTP, AF64A

**SENSORY NEUROSCIENCE** Human/animal electrotetrogram and visual evoked potentials, Visual psychophysics, Human psychoacoustics, Animal auditory psychophysics, Auditory anatomy and electrophysiology in fish and mammals

Candidate should forward a letter of interest, including future research interests and career goals, curriculum vitae, and names, addresses and phone numbers of three references to:

Neuroscience and Aging Institute
Fellowships Committee Building 102, Room 3621
Loyola University Medical Center
2160 South First Avenue
Maywood, Illinois 60153

Information must be received and file complete before December 31, 1992. Loyola University Chicago employs without regard to race, color, age, sex, national or ethnic origin, or religion, and is an equal opportunity employer. Qualified persons are not subject to discrimination on the basis of handicap.
Department of Genetics
Case Western Reserve University School of Medicine

The Department of Genetics invites applications for up to four tenure-track positions at the Assistant Professor, Associate Professor, or Professor rank as part of a major expansion. Applicants should have demonstrated expertise and productivity in any area of classical or molecular genetics, with ability to develop a strong, independent research program. Existing laboratories in the department focus on the genetics of Drosophila, C. elegans, mouse, and humans. Areas of concentration in the department will be in developmental genetics, chromosome structure and function, genome organization and mapping, and the genetics of inherited disease. Planned expansion is supported by significant new resources, including 40,000 square feet of state-of-the-art research space in a new Biomedical Research Building scheduled to open in January 1993, with generous equipment and start-up funding provided by the Markey Center for Developmental Genetics and by the Center for Human Genetics. The Department of Genetics participates in the multidisciplinary Biomedical Sciences Training Program for Ph.D. students. Candidates will be expected to participate in the teaching of medical and graduate students. Strong interdepartmental interactions at Case Western Reserve University School of Medicine are encouraged and provide an unusually supportive research environment and opportunity for achievement.

Applicants should send curriculum vitae, description of research plans, and names of three references (with contact numbers) to: Dr. Huntington F. Willard, Chairman, Department of Genetics, Case Western Reserve University School of Medicine, Cleveland, OH 44106-4955. Case Western Reserve is an Equal Opportunity Action Employer.

DEAN OF THE COLLEGE OF AGRICULTURE
UNIVERSITY OF WYOMING

The University invites applications and nominations for the position of Dean of Agriculture. The Dean reports to the Provost and is responsible for academic, administrative, personnel, and fiscal management for the College, including the Agricultural Experiment Station and the Cooperative Extension Service.

The successful candidate should have proven leadership qualities; a vision of the future of Agriculture, Natural Resources, and the College; an understanding of the land-grant system; nationally-recognized professional expertise in one of the academic disciplines of the College; and executive-level experience in planning and administering large multi-faceted programs. The new dean must be able to provide leadership for teaching, research, extension and service programs; be an effective spokesperson and advocate for the College; and maintain open and effective working relationships with diverse constituencies, including faculty, staff, students, and clientele groups.

The College’s 101 faculty and 775 students are distributed among seven academic departments: Agricultural Economics; Animal Sciences; Home Economics; Molecular Biology; Plant, Soil, and Insect Sciences; Range Management; and Veterinary Science (including the Wyoming State Veterinary Laboratory). The USDA, ARS, Arbovirus Laboratory is also housed with the College. The College offers bachelor’s, master’s, and doctoral degrees. Research and extension programs utilize state-of-the-art facilities and equipment in Laramie at five research and extension centers distributed throughout the state and at 27 county extension offices.

Salary will be commensurate with qualifications and experience. To assure full consideration, materials should be received by December 4, 1992. Applications should include a curriculum vitae and the names, addresses, and telephone numbers of four references who may be contacted.

Address correspondence to: Search Committee for Dean of Agriculture
Office of the Provost
Box 3302, University Station
Laramie, Wyoming 82071
Fax: (307) 766-2606

The University of Wyoming is an equal opportunity, affirmative action institution.

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The Joslin Diabetes Center invites applications for

HEAD - IMMUNOLOGY RESEARCH

Applicants should have an M.D. and/or Ph.D. and expertise in the area of immunology with a strong interest in diabetes mellitus. He or she should be capable of conducting research and providing administrative leadership to a group of 3-4 faculty level scientists, as well as postdoctoral fellows and medical/graduate students. Academic appointment at Harvard Medical School appropriate to seniority. Women and minorities are encouraged to apply.

Interested individuals should send a curriculum vitae and the names and telephone numbers of three possible references to Dr. C. Ronald Kahn, Joslin Diabetes Center, One Joslin Place, Boston, MA 02215.

An Equal Opportunity Employer

Joslin Diabetes Center

Co-operative Research Centre

for Temperate Hardwood Forestry

Hobart, Tasmania, Australia

Quantitative Geneticist

(REF: CRC 17/92)

This position is within the Genetic Improvement Program of the Centre. You will be involved in the development of estimates of heritabilities and genetic correlations for economically important traits in temperate eucalypts as a basis for the development of breeding strategies. You may be required to provide project leadership in this field and to undertake supervision of postgraduate students.

For further details contact Professor J B Reid, University of Tasmania. Telephone 002 202604 (International +61 02 202604), Fax 002 202698 (International +61 02 202698).

Tenure will be either indefinite with the CSIRO or a contract with the University of Tasmania extending no later than 30 June 1992.

Applications addressing the selection criteria close on October 14, 1992 and should be addressed to: The Staff Officer, University of Tasmania, GPO Box 252C, Hobart, Tasmania 7001, Australia. Telephone 002 202434 (International +61 02 202434), Fax 002 202751 (International +61 02 202751).

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Molecular Biologist/Immunologist

The H. Lee Moffitt Cancer Center & Research Institute and the University of South Florida seeks applications for an Assistant Professor position in the Immunology program to participate in developing programs for the molecular basis of cancer biology and immunology.

Applicants should hold a Ph.D. in Molecular Biology/Immunology with research experience in gene transfection, transcriptional/posttranscriptional gene regulation and cDNA cloning that can be applied to human lymphocytes and tumor cells. The successful candidate will be expected to establish vigorous research programs in molecular immunology and biology, and successfully compete for extramural funding. This position may be tenure earning.

Send Curriculum Vitae to Julie Djeu, Ph.D., Immunology Program, or John C. Ruckdeschel, M.D., Center Director/CEO at H. Lee Moffitt Cancer Center & Research Institute. Address: Search Committee, Office of Faculty Recruitment, P.O. Box 280179, Tampa, Florida 33682-0179. Deadline for receipt is November 1, 1992.

H. Lee Moffitt Cancer Center & Research Institute, adjacent to the Health Sciences Center on the University of South Florida's Tampa Campus, includes a modern 162-bed cancer facility for children and adults, a large Ambulatory Services operation, a 20-bed bone marrow transplantation program and a new research building.

Moffitt Cancer Center is an Equal Opportunity Employer. The University of South Florida is an Affirmative Action Equal Opportunity Employer.
POSITIONS OPEN

POSTDOCTORAL AND/OR INSTRUCTOR (NONTENURE) POSITIONS

To study the relation between signal transduction and cell motility. Research in structure/function relation, development and cellular biology of several Ca^2+ - and polyphosphonos-ride-regulated actin regulating proteins. Experience in molecular biology, cell biology, or protein chemistry desirable. Ph.D. (or M.D.) should have broad preparation and expertise in cellular electrophysiology and signal transduction. Send curriculum vitae and three letters of reference by 15 October 1992 to:

Dr. Helen L. Yin
Physiology Department
The University of Texas Southwestern Medical Center
5323 Harry Hines Boulevard
Dallas, TX 75336-9040

UT Southwestern is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION to study regulation by neurotransmitters, amphiphiles and intracellular messengers of cardiac myocyte ion currents, intracellular calcium transients and contractions. Applicants (Ph.D. or M.D.) should have broad preparation and expertise in cellular electrophysiology and signal transduction. Send curriculum vitae and three letters of reference by 15 October 1992 to:

Dr. Achilles Pappano MC-3605
Department of Pharmacology
University of Connecticut Health Center
Farmington, CT 06030

AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER M/W/H.

POSTDOCTORAL POSITION

A position is open at Durham VA Medical Center/ Duke University. The project involves development of molecular and population genetics--based methods to study the worldwide epidemiology of human pathogens. U.S. citizenship or permanent residence required. Send curriculum vitae and three letters of reference to: Dr. Ken Wilson, Infectious Diseases Section, VA Medical Center, Durham, NC 27705. Telephone: (919) 286-6950. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to study by physical and genetic approaches the effects of chromatin organization and SARS on gene regulation in tobacco and Arabidopsis. Strong background in molecular biology or genetics required. Send curriculum vitae and ask three people to write letters to: Luca Comai, Botany Department, Pennsylvania State University, University Park, PA 16802. Telephone: 814-865-2668. Equal Opportunity/Affirmative Action Employer.

TWO POSTDOCTORAL POSITIONS IN TOXICOLOGY AT DU PONT

The postdoctoral program at Du Pont's Haskell Laboratory enables postdoctoral fellows to build their credentials while obtaining experience in industrial toxicology. The positions are for two years, with an additional third year possible, and are offered at a competitive salary.

Chemical Carcinogenesis. The fellow will investigate mechanisms of chemical carcinogenesis of the upper airways with the aim of developing models for human health risk assessment. Experience with DNA adduct analysis, HPLC, GC, radioisotopes, mass spectrometry and nucleic acid biochemistry is desirable. Applicants should send curriculum vitae to: Dr. Matthew S. Bogdanski at the address below or FAX (302) 366-5207.

Reproductive Toxicology. The fellow will investigate intraglandular regulation and assess mechanisms of testis-carcinogenicity utilizing in vitro culture systems. Experience in cell culture and reproductive biology desirable. Applicants should send curriculum vitae to: Dr. Mark E. Hurtt at the address below or FAX (302) 623-5007.

The Du Pont Company
Haskell Laboratory for Toxicology and Industrial Medicine
3000 Old Kennett Road
Newark, DE 19714

Du Pont is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION IN BIOCHEMICAL/CARDIOVASCULAR PHARMACOLOGY. Available for Ph.D. in chemistry, biochemistry, pharmacology or physiology. Project relates to the pharmacology/pharmacokinetics of nitric oxide donors and inhibitors, and mechanisms of hemodynamic regulation. Position available immediately. Submit curriculum vitae and two letters of recommendation to: Dr. H.-L. Fung, Department of Pharmacaceutics, State University of New York, Buffalo, NY 14260. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION IN VISUAL NEUROSCIENCE. Available in laboratory studying visual neural circuits and neurotransmitters in visual thalami and cortex by means of neuroanatomical (LM, EM), immunocytochemical and electrophysiological techniques. Background in neuroscience, preferably on visual system, is a requisite. Send curriculum vitae, names of three referees to: Dr. V. M. Montero, Department of Neurophysiology, G. H. University of Wisconsin, 621 Waisman Center, 1500 Highland Avenue, Madison, WI 53705.

ASSOCIATE POSTDOCTORAL POSITION

MOLECULAR ENDOCRINOLOGY

Hannover Medical School
Massachusetts General Hospital

Applications are invited for a postdoctoral position as an Associate in the laboratory of Dr. Joel F. Habener. Qualified candidate will pursue mechanisms of CAMP regulated gene expression by transcription factors CREB and CREM. Emphasis on pancreatic islet hormone genes, somatostatin, glucagon and insulin and how altered expression relates to diabetes mellitus.

Please forward curriculum vitae and three letters of reference to: Dr. F. W. Symington (Telephone: 206-284-8846) or Dr. R. F. Howard, Searle Biomedical Research Institute, 4 Nickerson Street, Seattle, WA 98109. Equal Opportunity Employer.

POSTDOCTORAL POSITION to study the mechanism of signal transduction by cell adhesion receptor integrins (Nature 358:609; Cell Regulation 2:951). Current projects focus on the role of FAK (focal adhesion-associated kinase) and other tyrosine kinases/phosphatases in the pathway. Background in molecular and cell biology preferred. Send curriculum vitae and names of three referees to: Dr. J. Lin-Guan, 210 VRT, Cancer Biology Laboratories and Department of Pathology, Cornell University, Ithaca, NY 14853.

POSTDOCTORAL POSITION to study the mechanism of signal transduction by cell adhesion receptor integrins (Nature 358:609; Cell Regulation 2:951). Current projects focus on the role of FAK (focal adhesion-associated kinase) and other tyrosine kinases/phosphatases in the pathway. Background in molecular and cell biology preferred. Send curriculum vitae and names of three referees to: Dr. J. Lin-Guan, 210 VRT, Cancer Biology Laboratories and Department of Pathology, Cornell University, Ithaca, NY 14853.

POSTDOCTORAL POSITION in MOLECULAR IMMUNOLOGY available immediately for molecular biologist to study the regulation of IL-2 gene transcription by T-cell clonal expansion. Will require Ph.D. with background in molecular and cellular biology. Send curriculum vitae and names of three referees to: Dr. Daniel L. Mueller, Department of Medicine, University of Minnesota, Box 108 UMHC, Minneapolis, MN 55455.

POSITIONS OPEN

UNIVERSITY OF PENNSYLVANIA
SKELETAL BIOLOGY RESEARCH CENTER

POSTDOCTORAL POSITIONS IN MOLECULAR TOXICOLOGY AND DEVELOPMENT

Positions are available immediately for research on several expanding projects in our laboratories on molecular biology of cartilage development (J. Biol. Chem. 265: 2223-2230; Exp. Cell Res. 193, 190-197; Exp. Cell Res. 198, 38-46). Candidates should have experience in molecular biology, extracellular matrix biology, developmental biology or cell biology. Interested candidates should send curriculum vitae, names, addresses, and telephone/FAX numbers of three references, and a description of research experience to: Sherrill L. Adams, Ph.D. and Mauricio Faustman, E.D., University of Pennsylvania, Department of Biodynamics, 4010 Locust Street, Philadelphia, PA 19104-6003; FAX: 215-898-3695.

POSTDOCTORAL POSITION. To participate in an NIH-funded program on alterations of host defense induced by thermal injury. Project involves determining subcellular mechanisms responsible for neutrophil dysfunction (i.e., alterations in signal transduction and regulatory mechanisms). Stipend of $28,000 to $32,000 (dependent on experience). U.S. citizenship or permanent residence required. Submit curriculum vitae and names of three referees to: Dr. Ann Bjorsten, Director, Division of Immunology, James N. Gamble Institute, 3141 Auburn Avenue, Cincinnati, OH 45219. An Equal Opportunity Employer.

POSTDOCTORAL POSITION at The Harvard Medical School is available for a recent Ph.D. to join an immunobiology laboratory studying the mechanisms of autoimmune disease in a diabetes model (i.e., type 1 diabetes, Graves, multiple sclerosis, rheumatoid arthritis, etc.) with emphasis on molecular biology, molecular immunology, mammalian cell transfection, transcription regulation, basic genetics, etc., will be based in our recently-opened course science article (1991; 254, 1756). Send curriculum vitae and names of three referees to: Dr. Denis Faustman, Immunobiology Labs, Massachusetts General Hospital-East, Building 149, 133 Street, Charlestown, MA 02129.

POSTDOCTORAL POSITION IN MOLECULAR VIRAL PATHOGENESIS available immediately to study the mechanism of novel hypermutation in mouse retrovirus (J. Virol. 65:2191 and 66:1769). Send curriculum vitae, description of research interests and experience, and three letters of recommendation to: Dr. Tim Wong, Department of Microbiology, MSC42, University of Washington School of Medicine, Seattle, WA 98195. Telephone: (206) 685-2162. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION IN ATOMIC FORCE MICROSCOPY

A postdoctoral position is available in the field of atomic force microscopy. One aim of this project is to investigate organic nonlinear optical molecules near solid and liquid interfaces (Langmuir monolayers). In addition to the operation of an existing AFM a new instrument should be developed for the investigation of organic molecules, with (sub)-molecular resolution.

We are seeking an innovative researcher at postdoctoral level with experience in atomic force microscopy or with similar techniques. The position requires a Ph.D. in experimental physics.

The initial term of the appointment is up to 24 months with the possibility of renewal. To apply for this position send a resume and two letters of reference to:

Professor Dr. P. Günter, Institute of Quantum Electronics, ETH-Hönggerberg HPF, CH 8093 Zürich, Switzerland

POSTDOCTORAL POSITION available to study germ cells and stem cells during mouse development. Apply with recent curriculum vitae to: Dr. R. L. Bluestone, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, PA 19104. An Equal Opportunity Employer.
Make a difference!

Affinity Biotech, Inc. is a fast growing company with headquarters and laboratory facilities in suburban Philadelphia. We are applying leading edge technologies to our three areas of research and development: oral delivery of protein and peptide therapeutic agents, perfluorocarbon-based synthetic blood, and taste-masked liquid and chewable formulations of a variety of drugs.

Affinity is looking for Scientists and Associates who would like to participate in an intellectually stimulating, collaborative environment. We have opportunities in the following disciplines.

**Scientists**
Ph.D. or equivalent in Physical Chemistry (colloidal science preferred), Cell Biology-Epithelial Cells, Physical Pharmacy (solid and liquid formulation development), and Pharmacology/Physiology.

**Associates**
M.S. or B.S. in Chemistry, Biology, Biochemistry, Pharmacy, and Biochemical and Chemical Process Engineering.

We offer a competitive salary and comprehensive benefits. Interested candidates should send a resume in strictest confidence to: Personnel Director, Affinity Biotech, Inc., 305 Chelsea Parkway, Boothwyn, PA 19061

POSTDOCTORAL POSITIONS IN CELLULAR AND MOLECULAR BIOLOGY

Mayo Clinic Scottsdale will complete the Samuel C. Johnson Research Center on its medical campus in the beautiful high Sonoran Desert in 1993. Candidates are being sought for the following positions: Postdoc, Ph.D. or M.D./Ph.D. with training in cell and/or molecular biology to study the function of a cell-associated mucin MUC1 (PEM, epabilin) in development and tumor progression. Projects will focus on the role of MUC1 in 1) the functions of epithelia utilizing in vivo and in vitro systems and 2) tumor development (emphasis on the mammary gland). One position will be available in early 1993 and the second in the summer of 1993. Please specify the project of interest. Send curriculum vitae and names and addresses of three references to:

Dr. Sandra J. Gendler
Mayo Clinic Scottsdale
13400 E. Shea Boulevard
Scottsdale, AZ 85259

Ph.D. or M.D./Ph.D. to investigate function of homeobox genes in transgenic and mutant mice. Background in embryology or neurobiology and experience with cell culture, molecular biology and transgenic animals preferred. The start date is spring, 1993. Send curriculum vitae and names and addresses of three references to:

Dr. Claudia Kappen
Mayo Clinic Scottsdale
13400 E. Shea Boulevard
Scottsdale, AZ 85259

SAMUEL C. JOHNSON MEDICAL RESEARCH CENTER
MAYO CLINIC SCOTTSDALE

Mayo Clinic Scottsdale is an Affirmative Action/Equal Opportunity Employer

OUR UNIQUE SCIENCE IS MEETING A CRITICAL NEED

Literally. You see, our unique technology is epithelial cell culturing - culturing burn patients' own epidermal cells for use as transplantable sheets of skin. It makes a dramatic difference in many lives - and it's what makes working at BioSurface Technology so professionally and personally rewarding. If you'd like to contribute to an endeavor that's truly a positive force, you're invited to join us.

**RESEARCH SCIENTISTS - CARTILAGE BIOLOGY**

BioSurface Technology is dedicated to providing therapeutic products based on cultured human cells. Senior Scientist, Scientist, and Postdoctoral Associate positions are available in our new R&D program in cartilage transplantation. Applicants for these positions should have experience in: chondrocyte cell culture, cartilage differentiation, extracellular matrix biology, or orthopedic transplantation in experimental animals. Successful candidates will join an active, high quality group of research and development associates in cell and molecular biology, histogenesis, and product development projects focused on cell culture, transplantation, and wound healing.

Send resume and the names of three references in confidence to: BioSurface Technology, Inc., Michael Walsh, Dept. CD, 64 Sidney Street, Cambridge, MA 02139. We are an equal opportunity employer.

BIOSURFACE TECHNOLOGY
POSTDOCTORAL ASSOCIATE in Developmental Neurobiology. Position is available to study the molecular events involving in regulating the levels of neuronal synaptic components. Particular emphasis is being given to the neuronal nicotinic acetylcholine receptor (nACHR) and the role of cell-cell interactions in regulating nACHR expression in neurons. Relevant techniques include quantitative PCR, in situ hybridization, tissue culture, primary neuron transfection and the analysis of cia-regulatory promoter elements. Experience in one or more of these techniques is preferred. Please send curriculum vitae, a statement of research experience and interests, and the names and telephone numbers of three references to: Dr. Michele Jacob, c/o Personnel Office, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, MA 01545. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS are available in two research areas: regulation of adrenergic receptor gene expression. A strong background in molecular biology and biochemistry is required. Experience in protein purification and enzymology is preferred but not necessary. Please send curriculum vitae and names of references to: Dr. Ralph R. Peele, Department of Pharmacology and Toxicology, Virginia Commonwealth University, Box 613, MCY Station, Richmond, VA 23298-0613. FVCU is an Equal Employment Opportunity Employer and encourages women, minorities and those with disabilities to apply.

PLANT COMMUNITY ECOLOGY

POSTDOCTORAL ASSOCIATE sought to participate in a study examining the effects of fire-maintained vegetation of the Carolina coastal plain. Experience with quantitative approaches to community analysis and Southern flora desirable. This 18-month position is available after 1 January 1993. Send curriculum vitae and names of three references by October 22, 1992 to: Robert K. Peet, Department of Biology, CB#5721, University of North Carolina, Chapel Hill, NC 27599-3280. Equal Opportunity Employer.

POSTDOCTORAL POSITION: Ph.D. in biological sciences with expertise in in vivo/in vitro models of neoplastic cell biology. Primary responsibility to conduct research on cytokines and immune cell regulation. Background in immunology preferred. Please forward curriculum vitae and names of references to: Dr. Robert W. Ziegler, Department of Pathology, University of Pittsburgh-Dental Medicine, Department of Microbiology, 645 Salk Hall, Pittsburgh, PA 15261.

POSTDOCTORAL POSITION

A postdoctoral position is immediately available for a recent Ph.D. or M.D. interested in vascular growth control. Strong background in molecular biology and biochemistry is required. Experience in protein purification and enzymology is preferred but not necessary. Please send curriculum vitae and names of references to: Dr. Ralph R. Peele, Department of Pharmacology and Toxicology, Virginia Commonwealth University, Box 613, MCY Station, Richmond, VA 23298-0613. FVCU is an Equal Employment Opportunity Employer and encourages women, minorities and those with disabilities to apply.

POSTDOCTORAL POSITION in TUBERCULOSIS RESEARCH

With the resurgence of tuberculosis, there is renewed need for basic and applied research on mycobacteria. We seek a postdoctoral level individual to evaluate new antimycobacterial agents in vitro and in vivo and to conduct studies on the mycobacterial host-parasite relationship. He/she will work within a multidisciplinary group at Emory University. Please forward curriculum vitae and names of references to: Robert L. Hunter, M.D., Ph.D., Professor, Department of Pathology and Laboratory Medicine, Room 760 WMB, Emory University, Atlanta, GA 30322. Emory University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

A position is available to study the molecular pathogenesis of influenza virus. The research involves the elucidation of the role of an HA cleavage enzyme for the pathogenesis of influenza. The candidate will be involved in molecular and immunobiological techniques including reverse genetics that are being used to address this question. Interested individuals should send curriculum vitae and names of three references to: Dr. Yoshihiro Kawaoka, Department of Virology and Molecular Biology, St. Jude Children's Research Hospital, 2626 St. Louis Avenue, Memphis, TN 38101-0318. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Available immediately to work on soybean transformation for insect resistance. Experience in plant cell culture, transformation, and/or molecular biology is required. Position will remain open until a suitable candidate is found. Send curriculum vitae and names of three references to: Dr. W.A. Parrott, Center for Soybean Improvement, 3111 Plant Sciences, University of Georgia, Athens, GA 30602–7272. FAX: (706) 542-1340. An Equal Opportunity/Affirmative Action Institution.

TWO IMMEDIATE POSTDOCTORAL POSITIONS: (1) The study of molecular aspects of radioresistance. Experience in a variety of molecular biology techniques, including gene cloning, is essential. (2) The study of signal transduction as it relates to the physiology of the radiation response. Experience in a variety of molecular biology/biochemistry techniques is essential. Send curriculum vitae and names of three references to: Dr. Ralph R. Weichselbaum, University of Chicago, Department of Radiation and Cellular Oncology, 5841 South Maryland Avenue, MC0085, Chicago, IL 60637. The University of Chicago is an Equal Opportunity Employer.

POSTDOCTORAL POSITION

Available immediately to candidates with experience in biochemistry of signal transduction to study pathways involved in neurite growth. Experience with calcium imaging is preferred. Fellowship salary is $27,000 to $30,000 and includes health insurance. Send curriculum vitae, summary of research experience and radiation experience and three references to: Dr. John J. Greer, Division of Neuroscience, 513 Heritage Medical Research Centre, University of Alberta, Edmonton, Alberta, Canada T6G 2Z2, or telephone: 403-492-1671.

POSTDOCTORAL FELLOW. Sandzo Agro, a company recognized for excellence in agricultural products, seeks a postdoctoral fellow to study the action of action of biological insecticides. Projects involve site directed mutagenesis to study structure-function relationships in receptor binding and membrane pore formation. Requires a good background in molecular biology. Experience in basic molecular biology techniques highly desirable. Send curriculum vitae to: Sandzo Agro, Research, P.O. Box 9506, California Avenue, Palo Alto, CA 94304–1104. Affirmative Action/Employer.


NIH RESEARCH FELLOWSHIP POSITION

An NIH Intramural Fellowship (Intramural Research Training Program/Visiting Fellow) is immediately available at the National Institute on Drug Abuse Addiction Research Center for a scientist with Ph.D., M.D., or M.D.-Ph.D. degree. The scope of the research entails studies of effects of drugs of abuse on regional brain function in vivo in humans measured by position emission tomography (PET) and EEG. Candidates with experience in PET, image analysis, neuropsychology and electronencephalography will be given preference. Salary is commensurate with experience. The position affords a unique opportunity to interact with a team of scientists in various disciplines (including behavioral pharmacology, electrophysiology, biochemical pharmacology) with a commitment to the investigation of the biology of substance abuse.

Applicants should submit an application letter specifying their research interest, curriculum vitae and three letters of recommendation to: Edythe D.London, Ph.D. Chief, Neuroimaging and Drug Action Section National Institute on Drug Abuse Addiction Research Center P.O. Box 5180 Baltimore, MD 21224
Clinical Director
Center for Human Genetics and Department of Genetics
Case Western Reserve University School of Medicine
University Hospitals of Cleveland

The newly established Center for Human Genetics invites applications for a Clinical Director who will be responsible for organizing and directing the clinical genetics services at University Hospitals of Cleveland, including Rainbow Babies and Children's Hospital, both affiliated with Case Western Reserve University School of Medicine. The Clinical Director must be a diplomat of the American Board of Medical Genetics and will assume responsibility for the clinical service, including diagnostic laboratories for Clinical and Molecular Cytogenetics (Dr. S. Schwartz, laboratory director) and Prenatal Screening (Dr. L. Dickerman, laboratory director). In addition to directing the clinical service, the candidate will assist the Director of the Center, Dr. H. F. Willard, in all aspects of the Center's academic, research, and teaching activities. The candidate will be appointed at a senior rank in the Department of Genetics and an appropriate clinical department and will be expected to establish an active human genetics research program and/or to interact and collaborate with research faculty within the Center. The Center for Human Genetics maintains strong ties with clinical departments and programs as an essential part of its mission. The Clinical Director will have significant resources available for increased development of the clinical service, as part of a major institutional commitment to excellence in human and medical genetics.

Applicants should send curriculum vitae, summary of clinical, administrative and research experience, and names of three references (with contact numbers) to: Dr. Huntington F. Willard, Director, Center for Human Genetics, Case Western Reserve University School of Medicine, Cleveland, OH 44106-4955.

Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.

DIRECTOR
CENTER FOR LASER RESEARCH
OKLAHOMA STATE UNIVERSITY

Oklahoma State University invites applications and nominations for the position of Director, Center for Laser Research.

THE CENTER FOR LASER RESEARCH. The Center is a multidisciplinary research center with faculty from Physics, Chemistry, Electrical and Computer Engineering, Veterinary Medicine, and physicians from the University of Oklahoma Health Sciences Center. Established in 1989, the Center has quickly matured into a world-class laser research center with over 12,000 sq.ft. of modern laboratory facilities equipped with more than thirty state-of-the-art laser systems of all types. Cooperative research programs also provide the Center faculty with access to outstanding MBE and crystal growth facilities. The Center's research programs are supported by approximately $3 million of external sponsored funding. The primary areas of basic research in the Center include optical properties of materials for solid state laser systems and nonlinear optics; equilibrium and nonequilibrium states; theoretical laser modeling; quantum optoelectronic materials; laser and nonlinear systems development; integrated optical devices; and medical laser research. Another major program for the Center is the OCAST State Center of Excellence for Laser Development and Applications which supports the applied research programs for economic development. Through this program, the Center has formed a wide variety of university-industrial and university-medical collaborations throughout the state of Oklahoma.

THE POSITION. The Director will establish a strong, active research program, provide sound administrative and financial management, and stimulate intellectual and technical leadership for the development and advancement of the Center's laser research program. This executive position involves fostering strategic alliances with governmental, industrial, medical, and academic communities to promote the activities of the Center, as well as soliciting support from private foundations. This position will be eligible for appointment to the Noble Endowed Chair for Laser Science. The Director reports and acts as a major advisor to the Vice President for Research.

QUALIFICATIONS: Candidates for the position should possess a strong technical background in a laser related field and must have a distinguished record in research, proven management skills, and demonstrated leadership to integrate the various components of a multidisciplinary research program. This position requires strong interpersonal skills to interface with governmental, industrial, medical, and academic leaders and other scientists and engineers to promote the continued development, growth, and advancement of the Center's research programs.

APPLICATIONS AND NOMINATIONS, to receive full consideration, should be submitted by November 15, 1992 to: Dr. Thomas C. Collins, Vice President for Research, Oklahoma State University, 203 Whitehurst Hall, Stillwater, Oklahoma 74078.

Oklahoma State University is an affirmative action/equal opportunity employer.

Brandes University Assistant Professor Mammalian Molecular Geneticist

The Department of Biology and the Rosenstiel Basic Medical Sciences Research Center, aided by a grant from the Howard Hughes Medical Foundation, seek a tenure-track Assistant Professor interested in genetics and molecular biology of humans or other mammals. We are especially interested in, but not restricted to candidates with a strong research background in the following areas: genetics and molecular biology of human molecular diseases or their mouse models; regulation of mammalian development and differentiation; genetics and molecular biology of human and other mammalian viruses.

Teaching at both the undergraduate and graduate levels is expected.

Candidates should submit curriculum vitae, including descriptions of current and proposed research, as well as arrange for three letters of recommendation to be sent to: Mammalian Genetics Search Committee, Rosenstiel Basic Medical Sciences Research Center, Brandeis University, Waltham, MA 02254. Applications should be received no later than October 31, 1992.

Brandeis University is committed to equal opportunity and affirmative action and welcomes applications from women and minorities.

BRANDEIS UNIVERSITY
POSTDOCTORAL RESEARCH ASSOCIATE

Agricultural Position
thenames, addresses, Building, Position reprints Dr.
development.
two genes and culture more

dale, Salary systematics, Arnold Arboretum

POSTDOCTORAL/RESEARCH biochemistry

1820

POSTDOCTORAL RESEARCH ASSOCIATE—WATERSHED MODELLER. Adapt and extend hydrometric models to analyze effects of land use and climate changes on small watersheds. Ph.D. in hydrology or related field, experience with computer modeling required. Full-time, fixed-term 12-month position, salary $38,000 depending on experience. Send letter of application, complete résumé, transcripts of undergraduate work, and three letters of recommendation by September 25, 1992. Appointment will be made as soon as possible. Send application to: Dr. Stephen G. Holtzman, Ph.D., Department of Forest Science, Oregon State University, Corvallis, OR 97331-7505. For more information, contact Dr. Gordon Grant, (503-737-7528) or Dr. Julie Hannon, (503-737-6578). OSU is an Equal Opportunity/Affirmative Action Employer and is responsive to dual-career needs.

POSTDOCTORAL RESEARCH ASSOCIATE MOLECULAR GENETICS

Position available February 15, 1993, to study DNA rearrangement in the ciliate Tetrahymena. Experience in recombinant DNA technology and/or DNA sequence analysis required. Send curriculum vitae and names and telephone numbers of three references to: Dr. Kathleen Karner, Biological Engineering, Marquette University, Milwaukee, WI 53233. OSU is an Equal Employment Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

The Arnold Arboretum of Harvard University is seeking to fill a one-year position for a postdoctoral research associate who will prepare, under the guidance of Professor Robert Ashton, to design and implement methods for prioritization of prospective areas for plant species conservation for non-specialist conservation staff and the interested public. Requirements: Ph.D. in ecology, with emphasis on conservation, demonstrable writing skills; prior experience desirable. Send application to: Dr. Peter Ashton, The Arnold Arboretum of Harvard University, 22 Division Avenue, Cambridge, MA 02138.

RESEARCH ASSOCIATE

Position is available immediately to investigate sequence variation of PCR amplified HIV-1 DNA. A Ph.D. in the basic sciences is required. Molecular biology is preferred. PCR expertise is desired. Morehouse School of Medicine is an expanding, new, private, medical school with a strong commitment to the training and professional development of minority scientists. Send letter of interest, curriculum vitae, names and telephone numbers of three references, and statement of research experience to: Dr. Sandra K. Davidson, Department of Microbiology and Immunology, Morehouse School of Medicine, 720 Westview Drive, S.W., Atlanta, GA 30310. FAX: 404-752-8443.

BIO-DIVERSITY AND TROPICAL FOREST STAFF SPECIALIST (salary $64,233 to $83,502). USDA Forest Service, Forest Environment Research, Wildlife and Ecology Branch, 140 D St., Washington, DC 20250. Ph.D. in Biological Sciences including Ecology, Wildlife Biology, or Tropical Forestry, to provide leadership and coordination of national program activities: biodiversity and tropical research. Formulates policies, research program objectives and budgets. Reviews and coordinates research programs of eight region forest environment research stations. Send application materials to: Doug Ryan, 202-205-1524.
Alternative Thinking
Fellowships

The Alternative Thinking Program has been designed to support research and scholarship which represent new departures within and across disciplines. It is intended to encourage the development and expression of minority views which challenge received doctrines and paradigms, and in this way to promote rethinking across all fields of knowledge. The program offers full research fellowships (one or two semesters, extendible). Send applications (including C.V. & research proposals) to Prof. Meir Sternberg, Faculty of Humanities, Tel Aviv University, Israel.

RESEARCH SCIENTIST

Saint Francis Hospital and Medical Center located in Hartford, Connecticut, is seeking candidates to join our Department of Research to establish new programs in cell and vascular biology. Candidates should have completed a doctoral degree and have prior experience in molecular aspects of cell biology. Candidates will be eligible for an appointment at the University of Connecticut School of Medicine. Interested candidates should send resume and references to: Dr. Ernesto Canalis.

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UNIVERSITY OF
NEWCASTLE UPON TYNE

CHAIR OF MARINE
SCIENCES

Applications are invited for the established Chair of Marine Sciences in the Department of Marine Sciences and Coastal Management within the Faculty of Agriculture and Biological Sciences. This newly formed department is the focus of research and teaching activity in this subject area of long standing in the University. The Chair is seen by the University as providing an exciting opportunity to make further advances in this rapidly evolving field.

The successful applicant will be expected to have a strong research reputation in Marine Sciences and/or Coastal Studies to provide the necessary academic leadership to expand, develop and strengthen the research base of the Department and its academic staff.

Salary will be at an appropriate point in the Professorial salary range.

Further particulars may be obtained from Miss J M Kidd, Deputy Registrar, University of Newcastle, 6 Kensington Terrace, Newcastle upon Tyne, NE1 7RU, England, United Kingdom with whom applications, giving the names of three referees, should be lodged not later than 20th October, 1992.

RESEARCH SCIENTISTS

We are a newly-established, well-funded, independent, not-for-profit biomedical research institute. Our 30,000 square feet of modern, state-of-the-art facilities are located on the North Shore University Hospital campus on Long Island, close to New York City and Cold Spring Harbor labs. We are seeking highly motivated, creative professionals to join our teams researching the following areas:

Alzheimer's Disease
Staff, Post-Doctoral, and non-Ph.D. positions at all levels
Become a valued member of a team, headed by Dr. Michael P. Vitek, addressing the processing of Amyloid Precursor Protein, the role of Beta-Amyloid Peptide, and prevention of neurotoxicity in Alzheimer's Disease. Expertise in molecular or cell biology and protein or biochemistry is desired.

Diabetes and Aging - Post-Doctoral Position
Study the molecular basis of novel receptor family in tissue remodeling and pathology in diabetes and aging. Requires expertise in protein or biochemistry and cell biology.

Cytokine Biology - Post-Doctoral Position
Study the biochemistry and biology of macrophage-derived cytokines which are involved in inflammation and neoplastic disease. Requires expertise in biochemistry and cell biology.

We can offer you an excellent salary and benefits program, commensurate with experience and education. For confidential consideration, we invite you to forward a "c.v.", indicating area of interest and three references, to: Human Resources Dept. S918, The Picower Institute, 350 Community Drive, Manhasset, New York 11030. We are an equal opportunity employer m/f/v.

The Picower Institute for Medical Research
BIOMEDICAL RESEARCH TECHNICIANS—We are an internationally renowned biomedical research institute based in New York City seeking seasoned career technicians to become involved in breakthrough research in the field of molecular and cellular biology. Applicants must have a B.S. or M.S. in a life science plus a minimum of one year of work experience in a U.S. lab. Excellent communication skills are essential. Positions offer highly competitive salaries and benefits which include four weeks vacation and 100% tuition reimbursement, along with our state-of-the-art research environment. For immediate consideration, please send your résumé to: Box P-89, 29 West 35th Street, 7th Floor, New York, NY 10001. Equal Opportunity Employer M/F/D/V.

LABORATORY COORDINATOR
Central Michigan University (CMU) is seeking a Laboratory Coordinator to coordinate multiple sections of general chemistry laboratory, assigns duties, trains and supervises; training teaching assistants; assists faculty in developing and testing laboratory experiments and demonstrations and contributes to chemistry laboratory instructor's tasks; and experience in teaching is required. Salary is commensurate with qualifications. Applications will be accepted until the position is filled. Submit curriculum vitae and three letters of recommendation to: CMU Personnel Services, 109 Rowe Hall, Mt. Pleasant, MI 48859.

BIOCHEMISTRY RESEARCH POSITION
The University of Michigan Department of Biological Chemistry is seeking a postdoctoral investigator to collaborate with Drs. M.J. Coon and A.D.N. Vaz on mechanisms of oxygen and peroxide activation by cytochrome P-450. Depending on qualifications, the person chosen would receive one of the following titles: RESEARCH FELLOW, RESEARCH INVESTIGATOR, OR ASSOCIATE RESEARCH SCIENTIST. Necessary qualifications: Ph.D. in biochemistry or chemistry, strong chemical background, research experience on enzyme reaction mechanisms. Send credentials to the attention of: Dr. Coon or Dr. Vaz, Department of Biological Chemistry, The University of Michigan, Ann Arbor, MI 48109-0066; or call (313) 764-9132 or 936-1154.

CYTGENETICIST: Perform cytogenetic analyses on chromosomally abnormal human and animal cell cultures as well as human/rodent somatic cell hybrid cultures. Perform special studies such as FISH, sister chromatid exchange, late labeling, etc. as required to characterize cultures fully. Conduct applied research to improve methods of cytogenetic characterizations. Prepare reports, tables, correspondence, and ideograms. Corell offers an excellent research environment and laboratory facilities, and a generous benefits package. Salary is negotiable. Candidates should submit curriculum vitae and a list of at least three references to: the Personnel Office, Corell Institute for Medical Research, 401 Haddon Avenue, Camden, NJ 08103. Equal Opportunity/Affirmative Action Employer.

MONOCOAL ANTIBODIES
Applications are invited for the position of MONOCLONAL ANTI-BODY RESEARCH ASSISTANT at Medix. Responsibilities include supervision of all phases of monoclonal antibody production. Candidates must have a Ph.D. or M.S. with considerable experience. Industrial experience and knowledge of GMP are desirable. Medix Biotech Inc., a subsidiary of Genzyme Corporation, is an established producer of in vitro diagnostic and monoclonal antibodies located in San Francisco Bay Area. Please send curriculum vitae to: Personnel, Monoclonal Antibodies, Medix Biotech, 420 Lincoln Centre Drive, Foster City, CA 94404.

MOLECULAR IMMUNOLOGIST
The Department of Medicine in the University of Toronto (Division of Nephropathy) is seeking an individual to appoint as a molecular immunologist. Applicants should have completed the Ph.D. or M.D. degree, as well as a minimum of three years of postdoctoral training. The successful candidate will be expected to establish an independent research program in the area of molecular immunology and to interact with members of the transplant community. The division of Nephropathy and adequate laboratory space in proximity to other active investigators in the area of basic molecular immunology will be provided. For further information contact: University of Toronto. Applicants must be Canadian citizens or permanent residents. Please send current vitae and a list of references to: Office of the Dean, Faculty of Medicine, The University of Toronto, Toronto, Canada M5G 1X8.

MOLECULAR BIOLOGIST
The University of Rochester, Department of Dental Research, invites applications for a position of SCIENTIST (RESEARCH ASSISTANT PROFESSOR, non-tenure-track). Position available immediately. Ph.D. or M.D. degree in molecular biology and the structure/function relationship of ion transport mechanisms in excocrine glands. A Ph.D. with extensive postdoctoral experience in eukaryotic recombinant DNA technology is required. However, recent Ph.D.'s with strong backgrounds will be considered. Salary commensurate with experience. Submit curriculum vitae, a copy of the most recent publications, and the names of three references to: Dr. James E. Melvin, University of Rochester Medical Center, 601 Elmwood Avenue, Box 611, Rochester, NY 14642. Affirmative Action/Equal Opportunity Employer.

RESEARCH SCIENTISTS AND INTELLIGENT PROPERTY ATTORNEYS
Nationwide Openings for B.S./M.S./Ph.D. level candidates in BIOTECHNOLOGY, PHARMACEUTICALS, BIOMEDICAL, DIAGNOSTICS and THERAPEUTICS. We invite you to call or write: Joyce Talmdge, Ph.D., Vice President: Intellectual Property Attorneys, Inc. (718) 295-1555. Howard-Sloan Professional Search, Inc.


REGULATORY POSITION
Terra International, Inc., a major distributor and formulator of agricultural chemicals, is seeking a manager for its Label Development Department. An eight to ten-year work history, established relationships, and a proven track record with the Registration Division at EPA and Cal-EPA are required. A degree in agriculture or related field is a plus.

The position reports to the General Manager, Riverside Product Business Unit and manages the regulatory department. The position is responsible for CERCLA, RCRA, and (6) other pertinent regulations affecting private labeling. The position is responsible for preparing and submitting scientifically sound regulatory packages to obtain new labels, amendments, and to defend current labels undergoing re-registration, special review or data calls. This label based position offers an opportunity to build a career in the continually evolving crop protection and fertilizer industries. Terra offers a competitive compensation and benefits package. Please send resume to Verlinio M. Blythe, Manager, Terra International, Inc., 300 Riverpark, Suite 215, 1100 Jorve Boulevard, Oak Brook, IL 60521.

RESEARCH SCIENTIST—Immediate opening for Ph.D. to work on metabolism of phospholipids, cholesterol and lipoproteins in macrophages. Applicant must have appropriate training and a record of scientific publications. This will be a non-tenure-track faculty appointment. Submit curriculum vitae with names of three references to: Dr. Philip Greenspan, University of Georgia, School of Pharmacy, Athens, GA 30602. The University of Georgia is an Equal Opportunity/Affirmative Action Employer.

WILDLIFE ECOTOXICOLOGIST
Develop estimates of waterborne concentrations of contaminants that are thresholds for adverse effects in wildlife, and oversee development of a toxicological database for wildlife. (1) basic understanding of toxicology, an undergraduate or graduate degree in wildlife biology and the structure/function relationship of ion transport mechanisms in excocrine glands. A Ph.D. with extensive postdoctoral experience in eukaryotic recombinant DNA technology is required. However, recent Ph.D.'s with strong backgrounds will be considered. Salary commensurate with experience. Submit curriculum vitae, a copy of the most recent publications, and the names of three references to: Office of the Dean, Faculty of Medicine, The University of Toronto, Toronto, Canada M5G 1X8. Please include a cover letter describing your interest in this position, curriculum vitae, copies of transcripts, and four references to: Dr. Robert J. Naiman, Director, Center for Environmental Research Information, Washington, AR-10, Seattle, WA 98195. Closing date: October 15, 1992. The University of Washington is an Equal Employment Opportunity/Affirmative Action Employer. Qualified women and minorities are urged to apply.

PHARMACEUTICAL BIOCHEMIST
Biopharmaceutical Career Opportunities B.S., M.S., Ph.D. Nationwide Positions James E. Corell, Ph.D. Associates P.O. Box 66 Hampton, GA 30227 Telephone: 404-455-0151 Fee paid.

MOLLULAR GENETICIST/BIOLOGIST: a two-year appointment beginning approximately 1 October 1992 at an annual salary of $35,000. Prepare and coordinate strategies and techniques needed to describe plant genetic uniqueness and genomic variation. Various DNA technologies including single locus and multiplex PCR-based typing/typing-immunization strategies will be employed. Experience in molecular genetics, particularly sequencing, mapping, and informatics is essential. Send curriculum vitae, three letters of recommendation to: Dr. Stephen Kresovich, USDA-ARS, Plant Genetic Resources Unit, Cornell University, Geneva, NY 14456-0463; Telephone: 315-787-2244. ARS is an Equal Opportunity Employer.

PRINCIPAL INVESTIGATOR
The Guthrie Research Institute (GRI) is recruiting a scientist to lead an active research program in cellular signalling mechanisms at the molecular level. GRI offers an excellent, excellent facilities, competitive salary, and continued endowment-based support to an investigator interested in working in an active and collegial research environment. GRI is part of the Guthrie Healthcare System (GHS), an active clinical, teaching and research center serving the twin tier regions of Pennsylvania and New York. Existing laboratories are involved in the study of receptor expression and signal transduction, TNF tumor resistance, integrin action and gene regulation, and HIV entry/ fusogenic mechanisms. Please send curriculum vitae, summary of research interests and the names of three references to: Chair, Search Committee, Guthrie Foundation, Guthrie Square, Sayre, PA 18840. GHS is an Equal Opportunity/ Affirmative Action Employer.

RESEARCH SCIENTIST II
Two-year professional staff position. Starts November 1, 1992. Duties include participating in ongoing assessment of land- use/land-cover as related to climate, land use/land-cover and bedrock geology. Other duties include field experience working on wildlife ecology studies; (4) good written and oral presentation skills; (5) experience with IBM compatible computers; (6) ability to travel and perform field work. Interested candidates should write or call for a complete position description, which lists preferred qualifications and applications. Applications must be received by October 5, 1992. Human Resources, ManTech International, 1600 SW Western Boulevard, Corvallis, OR 97333, Telephone: (503) 754-4666. Equal Opportunity Employer.

WILDLIFE ECOTOXICOLOGIST
ANNOUNCING APPLICATIONS
FOR THE VARICELLA-ZOSTER VIRUS POSTGRADUATE FELLOWSHIPS
TWO $50,000 YEAR AWARDS

The Varicella Foundation, a non-profit organization, announces an international competition for two postgraduate fellows to study the pathogenesis of varicella-zoster virus (VZV) and its associated sequelae. Each fellow will receive $50,000 annual salary and $10,000 grant for related research, for a total of $60,000. Fellows will work in the laboratory of Dr. Roberta Merk who is responsible for research on VZV in her laboratory. Seating applications are now being accepted. Applications will be considered through January 1, 1993 and awards will be announced by March 1, 1993. Applications should be submitted to: The Varicella Foundation, 220 Riverend Road, Complex Carbohydrate Research Center, University of Georgia, Athens, GA 30602-4712. Phone: 706-542-4412.

Please do not send the samples required for evaluation of the applications. For more information, please contact Dr. Roberta Merk, Director of Postgraduate Research, Complex Carbohydrate Research Center, University of Georgia, Athens, GA 30602-4712. Phone: 706-542-4412.

The VZV Research Foundation invites you to participate in this exciting opportunity for training in the field of virology and virology.

For information, contact: The VZV Research Foundation, Inc., 40 E. 72nd Street, New York, NY 10021. Phone: 718-249-2113. Fax: 212-570-4483. Email: vzf@nwf.org
ASSOCIATE RESEARCH SCIENTIST to join multidisciplinary group in the Department of Pediatrics at Columbia University. The candidate will be studying purification, characterization and molecular genetics of human chorionic gonadotropin. Ph.D. required with strong background in molecular biology, molecular biology experience helpful. Excellent benefits and modern facilities. Submit curriculum vitae, statement of research interests and three references to: Dr. Sergio Fiorentini, Columbia University, Department of Pediatrics, 630 West 168th Street, New York, NY 10032. Equal Opportunity/Affirmative Action Employer.

RESEARCH SCIENTIST: Senior Microbiologist, R&D Fermentation Development. Lab scale process improvement projects requiring Ph.D. M.S. and 5 years of industrial strain development work. Principals will have good working knowledge of Bacillus genetics and strong interest in running a successful strain development program. Salary commensurate with experience. Send curriculum vitae to: Personnel Department JS, A. L. Laboratories, Inc., 400 State Street, Chicago Heights, IL 60411.

STATISTICAL PROGRAMMER
Columbia University's Irving Center for Clinical Research will coordinate a highly visible, federally funded, multicenter trial to test the effect of dietary prevention. This position, the lead programmer for the project, will design and program statistical analyses and reports under the direction of the principal investigator. Title: ASSISTANT RESEARCH SCIENTIST. A Ph.D. in biostatistics, public health or social sciences and two years of experience is required. Knowledge of SAS STAT, AE, and FSF is desirable. Salary is commensurate with experience and skill level. Columbia University takes affirmative action to ensure equal opportunity. Send resume and cover letter to: Dr. Don McMahon, Ph.4-124 Clinical Research, 622 West 168th Street, New York, NY 10032.

SCIENTIST IN VIVO TUMOR PRODUCTION
Experienced scientist sought to develop methods of in vivo tumor production. Candidates should have Ph.D. or equivalent training in cell biology, microbiology or biochemistry, and one to three years of experience in mammalian tissue culture. Ventana Medical Systems is an expanding biotechnology company offering excellent opportunities for advancement and career development. Interested candidates should send resume to: Director of Personnel, Ventana Medical Systems, Inc., 3865 North Business Center Drive, Tucson, AZ 85707.

VIROLOGY RESEARCH POSITION: The Tulane Regional Primate Research Center in Covington, LA, affiliated with Tulane University, has an opening for a virologist to conduct in vivo studies for the evaluation of antiviral drugs and development of animal viral disease models and imaging. Interested investigators should have experience in clinical virology and required experience with herpesviruses or other DNA viruses highly desirable. Some molecular training and experience would be a major advantage. Salary will be commensurate with experience. Interested applicants should send curriculum vitae and references from three individuals to: Dr. Kenneth F. Seiler, Tulane Regional Primate Research Center, 18703 Three Rivers Road, Covington, LA 70433. Tulane University is an Equal Opportunity/Affirmative Action Employer. Applications must be received by November 15, 1992.

WOUND HEALING RESEARCHER
The University of Mississippi School of Medicine, Department of Surgery, Division of Plastic Surgery
A position at the level of Ph.D. or masters with two years of experience in related fields. Ideally seeking a postdoctoral researcher to direct projects related to wound healing growth factors, and the immunological response to biological implants. Please send curriculum vitae and telephone number to: Suman K. Das, M.D., Professor, Division of Plastic Surgery, 2500 North State Street, Jackson, MS 39216. The University of Mississippi Medical Center is an Equal Opportunity Employer, M/F/D/V.

SITUATIONS WANTED
VETERINARIAN/BIOLOGIST/TOXICOLOGIST/RESEARCH ASSOCIATE/ASSISTANT SCIENTIST. Foreign veterinary graduate, B.V.Sc.A.A.H. (1975), M.S. (1984, U.A.). Nine years of experience in toxicology laboratory procedures such as spectrophotometry, T.L.C., column chromatography, assaying of hepatic drug-metabolizing enzymes, serum enzymes, acute toxicity tests, analysis of pesticides and persistent, teratological studies in mice, rats and rabbits, gross pathology, clinical pathology, pyrogen-testing of injectables, overall maintenance and day-to-day functioning of type 3 laboratory. Excellent Animal House management, poultry production and management. Seeks challenging position in industry, diagnostic laboratory or veterinary school. Contact: 230 Opelillo Road, #111, Auburn, AL 36830. Telephone: (205) 826-1155 or (205) 724-4107.

COURSES AND TRAINING

COURSE ON CRYOPRESERVATION OF MOUSE EMBRYOS October 26 to 30, 1992
All aspects of zygote and cleavage-stage embryo cryopreservation will be taught in this "hands-on" course. Co-directors: L. E. Mobraten, The Jackson Laboratory and S. F. Leibo, University of Georgia. For further information contact: Ms. Susan Teleski, The Jackson Laboratory, 600 Main Street, Bar Harbor, ME 04609. Telephone: (207) 288-3371, FAX: (207) 288-8982 or 288-5079, E-mail: lms@jax.org.

MEETINGS

THIRD CONFERENCE ON RESEARCH POLICIES AND QUALITY ASSURANCE. Government Regulations May 2-5, 1993, Baltimore, Maryland. Request brochure from: Dr. ADILE B. SHAMO Department of Biological Chemistry University of Maryland at Baltimore 660 WEST REDWOOD STREET BALTIMORE, MD 21201 OR FAX (301) 328-8297

PHARMACEUTICAL DESIGN USING EPTOPOIE TECHNOLOGY SECTIONS

VIII INTERNATIONAL SYMPOSIUM ON BULBULUMINESCENCE AND CHEMILUMINESCENCE March 14-18, 1993 Banff, Alberta Canada Organizer: Dr. A.A. Szalay, Professor and Chair, 6-30 Medical Science Building, University of Alberta, Edmonton, Alberta, Canada.

TOPICS: Biological chemiluminescence, Chromatography (Molecular Genetics and Biochemistry), Cellular chemiluminescence, Reagents and equipment, Light Measurement, Instrumentation, and Imaging. Call for Papers: Abstracts (maximum 250 words): Deadline November 15, 1992. Please request abstract form from: Dr. A.A. Szalay, 6-30 Medical Science Building, University of Alberta, Edmonton, Alberta, Canada. Telephone: (403) 492-1774; Fax: (403) 492-1782.

MEETINGS

Third Biennial ISACB Meeting Toward Application of Advances in Basic Cardiovascular Biology, November 5 to 8 1992, Adams Mark Hotel, St. Louis, Missouri, USA. Meeting Organizers: Allan D. Cadow, M.D., Ph.D. and Peter L. F. Schmidt, Ph.D. For information call Continuing Medical Education, Washington University School of Medicine, Telephone: (314) 362-9862 or (314) 362-6893 or FAX: (314) 362-1087.

AIDS SYMPOSIUM
MEHARRY MEDICAL COLLEGE
OCTOBER 21, 1992
In honor of Dr. C.W. Johnson, Sr., an outstanding physician, scientist and administrator, an AIDS Symposium is offered. Some of the most outstanding researchers in the field will be held. The speakers and their topics are Dani Bolognese—Duke University—Status of AIDS Vaccine Development; James Curran—CDC—Epidemiology and Prevention of HIV Infection; Dr. Leon Epstein—University of Rochester—HIV Infection of the Nervous System; Dr. Helene Gayle—AID—International AIDS Crisis; Dr. Michael Gisler—Regional Manifestation of HIV Disease; Dr. Phillip Pizzo—NIH—Pediatric AIDS, Dr. Steven Wolinsky—Northwestern University—HIV Transmission and Genetic Variation.

Continuing Education credits will be available. The registration fee is $100—no charges to students. Contact Sylvia Wright for additional information at (615) 327-6177 or 328-8297. Program Director: Dr. George C. Hill, Meharry Medical College, 1005 D.B. Todd Boulevard, Nashville, TN 37208.

THE HEALTH EFFECTS INSTITUTE (HEI) NINTH ANNUAL CONFERENCE
December 6-9, 1992 Montecito, CA.

HEI's annual conference is a forum for discussion among scientists, government officials, and industry representatives, of scientific and regulatory issues relating to the health effects of motor vehicle emissions. At this year's meeting the main foci will be the presentations of two large HEI studies intended to resolve major uncertainties about the health effects of two important mobile source pollutants: diesel exhaust and nitrogen dioxide. The results of these studies will be placed in the context of the existing scientific information and the regulatory process.

The conference will also include a work-in-progress presentation of HEI structural, functional, and biochemical studies that build on a NTP ozone cancer bioassay, a discussion of research to develop personal ozone monitors, and poster presentations of all HEI-funded studies.

The Health Effects Institute is a non-profit corporation that evaluate the health effects of automotive exhaust. It is jointly funded by the U.S. Environmental Protection Agency (EPA) and 28 motor vehicle companies.

Registration for the meeting is $125. Participation is limited and by pre-registration only. For further information contact:
The Health Effects Institute
141 Portland Street, Suite 7300
Cambridge, MA 02139
Telephone: (617) 621-0266

ANNOUNCEMENTS

Smithsonian Institution Fellowship Program
GRADUATE STUDENT, PR.- POST-, AND SENIOR POSTDOCTORAL FELLOWSHIPS in American History and material culture, anthropology, biological sciences, earth sciences, history of art, history of science and technology. Tenable in residence at the Smithsonian and its facilities. Stipends and tenure vary.
Deadline: January 15th annually.
Contact: Smithsonian Institution, Office of Fellowships and Grants, 955 1st/Enfant Plaza, Suite 7000, Desk S, Washington, D.C. 20560, (202) 328-3271. Awards are based on merit, without regard to race, color, religion, sex, national origin, age or condition of handicap of applicant.
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

IMMUNOLOGY TRAINING AT THE UNIVERSITY OF ROCHESTER

Postdoctoral and Predoctoral Fellowships in Cellular and Molecular Immunology, funded by NIH Training Grants and other sources, are available in the Department of Microbiology and Immunology and in the Cancer Center at the University of Rochester School of Medicine and Dentistry. Research interests of the Immunology faculty include:

**George N. Abraham:** Molecular and Cellular Analysis of Monoclonal Immunoglobulinopathies

**Richard A. Barth:** T Cell Receptor Gene Expression and Regulation in Transgenic Mice

**Nicholas Cohen:** The Ontogeny and Phylogeny of Immunity; Psychoneuroimmunology

**John G. Frelinger:** Molecular Immunology, Tumor Immunology

**Richard A. Insel:** Human Antibody Gene Expression; Molecular Basis of Immunodeficiency

**Edith M. Lord:** Host-Tumor Cell Interactions

**Richard P. Phipps:** Regulation of B Lymphocytes by Prostaglandins; Lung Fibroblast Heterogeneity and Cytokine Production

**David W. Scott:** Tolerance and Regulation of B Lymphoma Growth

**Maurice Zauderer:** T Cell Receptors and Target Antigens in Autoimmune and Tumor Immune Responses

The University of Rochester was founded as a private institution in 1850. It has a long tradition of academic excellence and a history of research accomplishments. The Immunology Program in the Department of Microbiology and Immunology has enjoyed significant expansion in recent years. A new laboratory wing dedicated to immunology has been completed and several new faculty appointments have been made. The city of Rochester is located on Lake Ontario in the Finger Lakes Region of western New York State with cultural and recreational resources that are unusually diverse and accessible.

Postdoctoral applicants should indicate the faculty members with whom they may wish to train and send a curriculum vitae, list of references and summary of research interests to the address below. Those interested in the graduate program should request application materials from:

Dr. Nicholas Cohen
Director, Division of Immunology
Department of Microbiology and Immunology
Box 672, University of Rochester
School of Medicine and Dentistry
Rochester, New York 14642

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NEW ENGLAND BIOLABS

Postdoctoral Positions

New England Biolabs, a pioneer and leader in biotechnology located twenty miles north of Boston, is seeking applicants for:

**Molecular Biologist**— Successful candidate will study regulation of restriction modification systems. Candidate should have background in prokaryotic genetics or biochemistry and experience with molecular biological techniques. Previous experience with protein purification would also be useful. (Dr. J. E. Brooks)

**Biochemist**— Recent graduates with experience in enzymology are particularly encouraged to apply. The project available is to characterize the activity of McrBC, a novel GTP-dependent modification-specific restrictionendonuclease of E. coli K-12. The major focus is the study of barriers to gene exchange in microorganisms, using genetic and molecular techniques. (Dr. E. A. Raleigh)

In addition to competitive salary, New England Biolabs offers a very generous fringe benefits package. Attendance at meetings, publication of research results and open communication with others are encouraged.

Candidates please submit curriculum vitae with three references to:

New England Biolabs, Inc.
Human Resources
32 Tozer Road
Beverly, MA 01915-5510
An Equal Opportunity Employer

Scios and Nova Announce Scios Nova Inc.

Scios Inc. and Nova Pharmaceutical Corporation have completed their merger to form Scios Nova Inc.

Scios Nova Inc. is a biopharmaceutical company with five key innovative products in various phases of clinical testing, and several others in preclinical evaluation. Scios Nova Inc.'s drug discovery technology encompasses both Scios' expertise in protein-based recombinant biopharmaceuticals and Nova's experience with synthetic, small molecule drugs. Scios Nova Inc.'s broad product portfolio and technical synergy increases the company's opportunity for success.

Scios Nova Inc. is headquartered in Mountain View, California, with additional research and development facilities in Baltimore, Maryland.

To learn more, please write or call: Scios Nova Inc.
Investor Relations
2450 Bayshore Parkway
Mountain View, CA 94043
415 940 6631

An Equal Opportunity/Affirmative Action Employer
AMERICAN ASSOCIATION FOR CANCER RESEARCH
84th Annual Meeting
Michael B. Sporn, Program Chairperson
Orange County Civic Center, Orlando, FL
May 19-22, 1993

Plenary Sessions and Symposia: Titles and Chairpersons

Impact of Molecular Biology on Cancer: Its Detection, Prevention, and Treatment - Joint AACR/ASCO Session - Stephen H. Friend

Proteases and Carcinogenesis Lynn M. Matrisian

Strategies for Utilization of Tumor-specific Antisense Molecules or Ribozymes for the Control of Tumor Growth Jack S. Cohen

Biology and Genetics of Human Preneoplastic Lesions Walter N. Hittelman

Human DNA and Protein Adduct Dosimetry: Assessment of Risk for the Development of Primary and Secondary Cancers Regina M. Santella

Biology and Treatment of Pediatric Cancer Richard J. O'Reilly

Latest Advances in Tumor Suppressor Genes Edward E. Harlow

Immunologic Approaches to Targeted Therapy Ira Pastan

Molecular Basis for the Modulation of Radiation Sensitivity Gillies S. McKenna

Gene Rearrangements in Cancer Stanley J. Korsmeyer

Protein Phosphatases in Carcinogenesis Claude B. Klee

Protein Kinase C: Modulation of the Cancer Phenotype and Target for Chemotherapy Peter M. Blumberg

The EGF and FGF Receptor Superfamilies: Recent Advances in Ligands, Receptors, and Signal Transduction Andrew Baird and Michael Klagsbrun

Abstract Deadline: November 25, 1992

Further Information: AACR Office • Public Ledger Building • 620 Chestnut Street • Suite 816 • Philadelphia, PA 19106-3483
TELEPHONE (215) 440-9300 • FAX (215) 440-9313

Transgenic Mice as Models for Cancer Pathogenesis Owen N. Witte

From Bench to Clinic: Concepts in the Design and Targeting of New Chemotherapeutic Agents Bruce A. Chabner

Invasion, Metastasis, and Angiogenesis Robert S. Kerbel

Mechanism of Action of Chemopreventive Agents: Basic Science and Clinical Applications Martin Lipkin and Anita B. Roberts

Topics in Drug Resistance June L. Biedler

Advances in Molecular Epidemiology of Human Cancer Curtis C. Harris

Cytokines in the Immunomodulation of Cancer Elizabeth A. Grimm

The Biology and Therapeutic Application of Normal Hematopoietic Stem Cells Malcolm A. S. Moore

The Restoration of Normal Function to Preneoplastic and Neoplastic Cells: Strategies for Differentiation Therapy Waun Ki Hong

Nitric Oxide and Superoxide as Endogenous Mediators of Carcinogenesis Steven R. Tannenbaum

The Biology and Pathogenesis of Prostate Cancer Maarten C. Bosland

Vitamin D and Cancer Michael B. Sporn

Stromal-Epithelial (Paracrine) Influences on Neoplasia Gerald R. Cunha

**STUDY DIRECTOR**

INTERNATIONAL RESEARCH AND DEVELOPMENT CORPORATION is a leading independent contract research laboratory specializing in animal safety evaluation studies for the pharmacetical, agricultural, and consumer industries as well as governmental agencies.

The successful candidate for our STUDY DIRECTOR will be a highly motivated DVM or Ph.D. in the research or pharmaceutical industries or contract toxicology labs with 2-3 years solid experience in safety evaluation.

INTERNATIONAL RESEARCH AND DEVELOPMENT CORPORATION offers its employees continued career opportunities and provides competitive compensation and benefits including an attractive investment and stock ownership plan. We are located in a progressive urban area outside Kalamazoo, MI, midway between Detroit and Chicago.

If you would like to become a member of our rapidly growing Company and your credentials meet our requirements, please forward your resume with salary history to:

**Director of Human Resources**
International Research and Development Corporation
500 N. Main Street
Mattawan, Michigan 49071

**IRDC IS AN EQUAL OPPORTUNITY EMPLOYER**

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**Postdoctoral Fellow**

Genentech, Inc., a leader in the field of biotechnology, is seeking a postdoctoral fellow to investigate the metabolism of humanized monoclonal antibodies.

The research will focus on the metabolism and mechanism of action, both cellular and in biological matrices, of an anti-integrin antibody therapeutic currently under consideration at Genentech. The processing of this antibody is of particular importance in terms of potential immunogenicity as this protein targets antigen-presenting cells. This position is with Dr. Judy Fox in the Metabolism Group headed by Dr. Bill Hancock.

To qualify, you will need a PhD in biochemistry, cell biology, immunology or analytical biochemistry.

Our extensive benefits package includes fully paid dental/medical/vision coverage for you and your dependents, child care facilities, free health club membership and an employee stock purchase plan. Send your resume to: Genentech, Inc., Human Resources Dept. #C1JF, 460 Point San Bruno Blvd., South San Francisco, CA 94080. We actively support and promote affirmative action and equal opportunity employment. Women and minorities are encouraged to apply.

Genentech, Inc.

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**Postdoctoral Researchers**

Genentech, Inc., a leader in the field of biotechnology, is always seeking motivated individuals for the following positions:

- Cell Genetics
- Molecular Biology
- Protein Chemistry
- Developmental Biology
- Cardiovascular Biology
- Immunology
- Protein Engineering

You will conduct independent research in the areas of our scientific interests, publish in scientific journals, attend and present work at scientific conferences, and maintain close ties with the academic community. You should have a recent PhD in a life science coupled with a good publication record.

Our extensive benefits package includes fully paid dental/medical/vision coverage for you and your dependents, child care facilities, free health club membership and an employee stock purchase plan. Send your resume to: Genentech, Inc., Human Resources Dept. #VDFD, 460 Point San Bruno Blvd., South San Francisco, CA 94080. We actively support and promote affirmative action and equal opportunity employment. Women and minorities are encouraged to apply.

Genentech, Inc.

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**Research Assistants/Associates**

Genentech, Inc., a leader in the field of biotechnology, is always seeking talented Research Assistants/Associates for these positions. You should have a BS/MS in Biochemistry, Molecular Biology, or related scientific field complemented by 2+ years’ experience in one or more of the following: molecular biology/biochemical techniques, assay development, tissue culture techniques, protein sequencing and characterization, and/or hybridoma techniques.

Our extensive benefits package includes fully paid dental/medical/vision coverage for you and your dependents, child care facilities, free health club membership and an employee stock purchase plan. Send your resume to: Genentech, Inc., Human Resources Dept. #YDKA, 460 Point San Bruno Blvd., South San Francisco, CA 94080. We actively support and promote affirmative action and equal opportunity employment. Women and minorities are encouraged to apply.

Genentech, Inc.
FACULTY POSITIONS
TULANE UNIVERSITY MEDICAL CENTER
NEW ORLEANS, LOUISIANA

Two positions are available in the new Lung Biology Program under the direction of Dr. Arnold R. Brody, to be located in the Bioenvironmental Research Center currently under construction on the Medical Center campus. One position is a tenure-track assistant professor; the other is a research assistant professor. Both offer attractive salaries and start-up support. Both individuals must clearly demonstrate expertise in modern molecular biology and biochemical techniques. The incumbents will carry out an independent research program and play an important role in the collaborative research of the Lung Biology Program. Send C.V., pertinent reprints, and three letters of recommendation by December 31, 1992, to:

Dr. Arnold R. Brody
Pulmonary Pathology Lab
National Institute of Environmental Health Sciences
PO Box 12233
Research Triangle Park, N.C. 27709

Tulane University Medical Center is an Affirmative Action/Equal Opportunity Employer

PHARMACOLOGIST

The ICI Pharmaceuticals Group, dedicated to the challenge of discovering and developing important new therapeutic agents, is seeking a pharmacologist for the Urological Research team based in suburban Wilmington, Delaware.

Pharmacologist: BS/MS in Biological Sciences or related discipline. The candidate must have good surgical skills and be experienced in working with isolated tissues, and knowledgeable in pharmacological receptor functions to perform in vitro primary screen and standard receptor function assays. We offer an excellent salary and flexible benefits program, including relocation, and the opportunity to build a career with one of the world's leading pharmaceutical research organizations.

For consideration, submit resume to: Melanie M. Lewis, Human Resources, ICI Pharmaceuticals Group, Concord Pike and New Murphy Road, Wilmington, DE 19897.

ICl Pharmaceuticals
An Equal Opportunity Employer M/F.

Fermentation Scientist

Somatogen, a biopharmaceutical company currently engaged in the development and manufacture of recombinant human hemoglobin, has an exciting opportunity available in our state-of-the-art R & D facility. Successful candidates will be self-motivated individuals with a desire to be part of a team involved in cutting edge technology.

Responsibilities will include development and optimization of growth and induction conditions for high productivity recombinant fermentations. You will be part of a multidisciplinary team designing and optimizing strains and expression systems for very large-scale use. The lead project is the development of a commercial process for the production of recombinant hemoglobin for use as a blood substitute. A computer assisted pilot-facility with fermentors ranging in size from 2 to 600 L is currently dedicated to the project.

The successful candidate will have an M.S. in Microbiology, Biochemical Engineering, Biochemistry or related field and 2-8 years of post-degree experience, or a Ph.D. in one of the same fields with 0-6 years of post-degree experience. A sound understanding of E. coli physiology and metabolism is essential. Some fermentation experience would be an asset.

A competitive salary, benefits package, and relocation complement this offer. Interested candidates may submit their resume and cover letter indicating position desired to:

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5797 Central Avenue Boulder, CO 80301

EOE M/F/H/V

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March 13 Reprint

This first-time special section, reprinted from the March 13 issue of Science, takes an in-depth look at women in science.

This section explores:

- Women's Progress in Science
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TARGETech, Inc. is committed to providing a nurturing environment for creative, highly motivated scientists by offering competitive salaries, a comprehensive benefits package and equity participation in the company. Meriden is located midway between the university city of New Haven and the state capital of Hartford. Submit resumes to: Human Resources, Targetech, Inc., 290 Pratt Street, Meriden, CT 06450. We are an equal opportunity employer.

Postdoctoral Fellow

The R.W. Johnson Pharmaceutical Research Institute in La Jolla, California has an opening for a two-year Postdoctoral Research Fellow appointment.

The position is available immediately in the Molecular Biology group to study novel strategies for the generation of artificial/synthetic antibodies. Current projects include the design and development of phage display systems for the expression of antibody libraries. These studies will involve recombinant DNA technology, protein biochemistry and the use of cell based assay systems. Applicants should have a strong background in molecular biology and cell biology.

This position provides liberal research support, excellent library facilities, and a good benefits package as part of Johnson & Johnson, the world’s largest and most comprehensive provider of health care products. Please submit your curriculum vitae to: Human Resources Manager, R.W. Johnson Pharmaceutical Research Institute, 3535 General Atomics Court, Suite 100, San Diego, CA 92121. An Equal Opportunity Employer.
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For application materials and information on participating laboratories contact:

Associate Programs Office, NRC GRANTS, 2101 Connecticut Avenue, NW, Washington, DC 20550, (202) 334-2759

FELLOWSHIPS

A limited number of postdoctoral and predoctoral fellowships are available from Sigma Delta Epsilon-Graduate Women in Science, Inc. Applications from women are particularly encouraged.

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Deadline is December 1, 1992.

For additional information and applications forms:

Sigma Delta Epsilon-Graduate Women in Science, Inc.
One Illinois Center, Suite 200
111 East Wacker Drive
Chicago, IL 60601-4298

Requests for Elsie Gerry Fellowship forms should be made by those in the Biological & Chemical Sciences; all others should request SDE Fellowship forms.

TRAVEL AWARDS

Eli Lilly Travel Awards for women graduate students presenting at national meetings are available through Sigma Delta Epsilon-Graduate Women in Science, Inc. For information write:

Dr. Barbara Jor
31499 Po For Lot Lane
Warren, MI 48093

SCIENCE SCHOLARS

FELLOWSHIP PROGRAM

Women scientists who are U.S. citizens and have held the Ph.D. for two years are eligible. Stipend $31,300 plus research expenses for a one-year residential appointment, September 1, 1993 to August 31, 1994. Some discipline restrictions apply. Deadline is October 15, 1992. For more information, write or call: The Bunting Institute of Radcliffe College, Fellowships Office, 34 Concord Street, 2nd Floor, Cambridge, MA 02138. Telephone: (617) 495-8212. Fax: (617) 495-8136.

THE HEISER PROGRAM FOR RESEARCH IN LEPROSY AND TUBERCULOSIS

Support for research in tuberculosis, which was added to The Heiser Program last year, is being continued. Beginning POSTDOCTORAL RESEARCH FELLOWSHIPS available in amounts up to $25,000 per year, plus other allowances, and RESEARCH GRANTS in amounts up to $20,000. Applicants should have M.D., Ph.D., or other Ph.D.-level degree. Applications by 1 February 1993 for awards to be activated July through December 1993. For information, write: The Heiser Program, 450 East 63rd Street, New York, NY 10021.

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