SIGNAL TRANSDUCTION UNIVERSITY

Applications are invited for the position of ASSISTANT PROFESSOR in the Department of Pharmacology at the College of Veterinary Medicine, Cornell University. Candidates using molecular approaches in any area of signal transduction will be considered. Responsibilities include teaching of pharmacology to veterinary and graduate students, participating in the development of graduate programs in pharmacology, serving in association with our NIH training grant in Physical and Biochemical Pharmacology and establishing an outstanding research program. Current research interests in the department include signal transduction, receptor structure and function of receptors and ion channels, membrane-bound and intracellular signalling systems, cell signaling and signal transduction. Applicants should have the 3 V.M., M.D., Ph.D. or equivalent degree, be firmly committed to an academic career in teaching and research, and have strong or potentially strong research programs. Salary will be commensurate with qualifications and experience. Letters of application, together with a curriculum vitae and three letters of recommendation, should be sent to: Dr. Geoffrey W. G. Sharp, Chairman, Department of Pharmacology, College of Veterinary Medicine, Cornell University, Ithaca, NY 14853-6401. Additional information can be obtained via Email by contacting Mrs. Marge McKinney, at mfm1@cornell.edu or through Gopher: uaws.vet.cornell.edu. Cornell University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are strongly urged to apply.

ASSISTANT PROFESSOR DEPARTMENT OF MICROBIOLOGY AND CELL SCIENCE UNIVERSITY OF FLORIDA

The Department of Microbiology and Cell Science, University of Florida, invites applications for a TENURE-TRACK POSITION available August 1, 1995. This position is equally divided between teaching and research. It includes teaching one undergraduate and one graduate course. The successful candidate is expected to develop an externally funded research program in the area of microbial physiology, microbial ecology, or biotechnology. Teaching responsibilities will include participation in undergraduate and graduate courses, training of graduate students and other University-related activities. Candidates should have a Ph.D. in Microbiology, Biochemistry, or related science and at least two years of postdoctoral experience. The closing date for this position is March 1, 1995. Applicants should submit a summary of their research interests, and the names of three referees to: Lonnie O. Ingram, Department of Microbiology and Cell Science, University of Florida, 1212 Jernigan Hall, Gainesville, FL 32611-0700. The University of Florida is an Affirmative Action/Equal Employment Opportunity Employer. Minorities and women are encouraged to apply.

ASSISTANT PROFESSOR of Biology: Tenure-track position for a broadly trained Ph.D. Zoologist to begin August 1995. Teaching a combination of general biology, anatomy and physiology, molecular biology techniques is desirable. Development of a research program involving undergraduates is expected. Xavier University is a Jesuit college with an emphasis on quality teaching at the undergraduate level. Applicants should send a letter of application with curriculum vitae, copies of transcripts, and three letters of recommendation to: Dr. Linda Finke, Biology Department, Xavier University, 3800 Victory Parkway, Cincinnati, OH 45207-4331. Xavier University is an Equal Opportunity/Affirmative Action Employer.

The University of Virginia, Department of Medicine invites applications and inquiries for a research position in the Division of Nephrology (Ph.D. or equivalent) with appropriate postdoctoral experience. The position is an open funded research position at the ASSISTANT/ASSOCIATE PROFESSOR level. Interest/research focus in renal diseases is preferred. Experience with molecular biology, protein chemistry and cell signaling is desirable. Compensation salary, start-up package and space available. Ability to establish and operate an externally funded research program is expected. For further information, contact R. K. M.D., Chief, Division of Nephrology, University of Virginia Health Sciences Center, Box 133, Charlottesville, VA 22908-0004, a tenure-track position is an Equal Employment Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR DEPARTMENT OF NEUROSURGERY

TENURE-TRACK POSITION available for a Ph.D. or M.D./Ph.D. with experience and expertise in conducting laboratory research in molecular and cellular biology with specific emphasis in one or more of the following areas: signal transduction, tumor suppressor genes, and molecular mechanisms for tumor suppression. Experience with brain tumors is encouraged but not required. Salary and benefits are highly competitive. Send curriculum vitae, representation letters of interest, and research references to: Raymond Sawaya, M.D., Professor and Chairman, Department of Neurosurgery-Box 64, University of Texas M. D. Anderson Hospital and Tumor Institute at Houston, 1515 Holcombe Boulevard, Houston, TX 77030. An Equal Opportunity/Affirmative Action Employer. Smoke-free environment.

INVERTEBRATE AND INSECT SYSTEMATICS HARVARD UNIVERSITY

The Department of Organismal and Evolutionary Biology seeks to appoint two new faculty members at the ASSISTANT-OR ASSOCIATE PROFESSOR level. These positions will be filled by specialists in the systematics and evolution of a group of insects and an invertebrate group other than insects or mollusks. The successful candidates will eventually curate a portion of the collections in the Museum of Comparative Zoology, as well as teach at the undergraduate and graduate levels. We encourage applications from those with broad interests in phylogeny and comparative biology, including those using morphological or molecular approaches. Applicants should submit, by 10 February 1995, a curriculum vitae, a statement of research and teaching interests, and copies of representative publications, and should also arrange to have three letters of recommendation sent to: Professor Michael J. Donoghue, Department of Organismic and Evolutionary Biology, Harvard University, 22 Divinity Avenue, Cambridge, MA 02138.

Harvard University is an Affirmative Action/Equal Opportunity Employer. We encourage applications from women and minority candidates.

Texas A&M University-Kingsville seeks to hire two tenure-track biologists at the ASSISTANT PROFESSOR level. Successful applicants will have a Ph.D. in the appropriate field, preferably with postdoctoral experience and will be expected to teach advanced courses in their discipline and participate in introductory biology program responsibilities. They will develop and a funded research program that employs Master’s and undergraduate students. Animal Physiologist: We desire a broadly trained individual able to teach courses in Human Anatomy and Physiology, Biochemistry, Histology, and Embryology. Plant Ecologist/Taxonomist: We seek a field-oriented individual who can teach courses in Plant Taxonomy, Ecology and is related to the applicant’s area of expertise. Candidates must submit: (1) a letter of application that describes teaching and research interests and a curriculum vitae; (2) transcripts; (3) a curriculum vitae; and (4) three letters of reference. Texas A&M University-Kingsville is an Hispanic-serving institution located in South Texas. The search committee will begin screening applicants on February 15, 1995, and will continue until a suitable pool of applicants is formed. Inquiries should be addressed by February 15, 1995, to: Search Committee, c/o Dr. John C. Peres, Chairman, Department of Biology, Texas A&M University-Kingsville, Kingsville, TX 78363. Telephone: 512-595-3803. Texas A&M University-Kingsville is an Equal Opportunity Employer.

ASSISTANT AND ASSOCIATE PROFESSORS

The Department of Biochemistry at the University of Kentucky offers a full-time, 9-month tenure-track faculty position open at the ASSISTANT and ASSOCIATE PROFESSOR level. The successful candidates will be expected to pursue independent research programs and to participate actively in departmental teaching activities. Women and minorities are encouraged to apply. Interested persons should submit their curriculum vitae, a summary of research interests, and recommendation letters from at least three references to: Faculty Search Committee, Department of Biochemistry, University of Kentucky Medical Center, Lexington, KY 40536-0084. An Equal Opportunity/Affirmative Action Employer.

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FUNGAL GENETICIST  
ASSISTANT PROFESSOR OF BOTANY  
The Department of Botany at the University of Wyoming seeks an expert in the genetics of fungi for a nine-month, tenure-track position at the ASSISTANT PROFESSOR level. Applicants who can relate their work to the genetics of fungi and who possess modern molecular techniques are especially encouraged to apply. Preference will be given to individuals who complement existing strengths in physiology, ecology, systematics, evolutionary biology, cell biology, and philosophy. The position begins in the fall of 1995, and the successful candidate will be expected to teach introductory genetics, participate in a new undergraduate program, and develop a graduate course. A vigorous, externally funded research program is expected and a commitment to graduate and undergraduate teaching is required. A Ph.D. in Botany, a Doctor of Philosophy or Neobotany, and an expertise in fungi are required, and postdoctoral experience is desired. Applicants are encouraged to submit curriculum vitae, transcripts, statements of teaching and research interests, and representative reprints, and should have three letters of reference sent by 15 February 1995 to: Dr. Ronald L. Hartman, Genetics Search Committee Chair, Department of Botany, University of Wyoming, Laramie, WY 82071-3165. The University of Wyoming is an Affirmative Action/Equal Opportunity Employer.

MICROBIAL PHYSIOLOGY  
The Department of Microbiology and Immunology, University of North Dakota invites applications for a tenure-track position at the rank of ASSISTANT PROFESSOR in a field of interest related to the genetic, molecular, or cellular aspects of microbial physiology. The successful candidate is expected to establish an independent, externally funded research program complementing existing research in the department. Teaching responsibilities include a course in general microbiology and the development of a graduate course in bacterial physiology. Candidates must have a Ph.D. in Microbiology or a related field and relevant postdoctoral experience. Applicants should submit curriculum vitae, a two-page statement of research interests, two or more representative publications and three letters of reference to: Dr. James J. Kelleher, Chair, Search Committee, Department of Microbiology and Immunology, School of Medicine, University of North Dakota, Grand Forks, ND 58201. Review of applications will begin March 1, 1995. The University of North Dakota is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR  
DEPARTMENT OF CHEMISTRY  
THE UNIVERSITY OF TEXAS AT EL PASO  
Tenure-track ASSISTANT PROFESSOR position available to begin in the academic year 1995-96. Teaching duties in theoretical or analytical chemistry (plus elementary courses and specialized research areas). A Ph.D. is required and postdoctoral experience is preferred. Research interests should be in the areas of inorganic, physical, or environmental chemistry. Development of an externally supported research program to include undergraduate, M.S. students (Chemistry) and Ph.D. students (Materials, Sciences and Environmental Sciences interdisciplinary programs) required. Send letter of application, curriculum vitae, summaries of research plans and teaching proficiencies, and arrange to have three letters of recommendation sent to: Search Committee, UTEP, Department of Chemistry, El Paso, TX 79968. The University does not discriminate on the basis of race, color, national origin, sex, age or disability in employment or the provision of services.

FACULTY POSITION IN ANATOMY AND PHYSIOLOGY  
The Department of Biology, Middle Tennessee State University, invites applications for a tenure-track position (Number 103130, ASSISTANT/ASSOCIATE PROFESSOR, Ph.D. required by first day of class) available August 1995. Appropriate training to teach courses in anatomy and physiology, histology, and freshman biology. Research is expected. Applicants are encouraged to submit curriculum vitae, three letters of reference (one to: Dr. M. E. Mathis, Department Chair, Box 578, Murfreesboro, TN 37132). Position availability contingent upon employment, funding, and final authorization. An Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

UNIVERSITY OF OTTAWA  
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UNIVERSITY OF OTTAWA  
DEPARTMENT OF BIOLOGY  
HYPERTENSION RESEARCH PROGRAM  
Two faculty positions (ASSISTANT or ASSOCIATE PROFESSOR) level available. Candidates (Ph.D. or M.D./Ph.D.) must have a strong background in hypertension or vascular biology and be expected to establish a strong independent research program relevant to hypertension and to collaborate with other scientists on the study of (brain) osasin-like compounds. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. Applicants must submit a curriculum vitae, description of prior research experience, current research interests and three references to: Dr. Yves Gagnon, Department of Biology, University of Ottawa, Ottawa, Ontario K1Y 4E9 Canada. FAX: 613-761-5281. Biology, Three Faculty Positions. ASSISTANT PROFESSOR, tenure-track, positions beginning August 1995. Biochemist/Plant Physiologist—Teaching: introductory molecular biology, biochemistry, plant physiology. Terrestrial Vertebrate Immunologist—complementary level research in mammalogy or herpetology. Teaching: ecology, anatomy and physiology. Aquatic Invertebrate Ecologist—Teaching and research in freshwater biology. Vertebrate and aquatic zoology and limnology/aquatic ecology. Research involving undergraduate/M.S. students required. Postdoctoral applicant should submit the following: curriculum vitae, research interests, description of research, three letters of recommendation, to: Dr. J. Kelleher, Chair, Search Committee, University of Western Kentucky, 1 Big Red Way, Bowling Green, KY 42101-3576. Women and minorities are encouraged to apply. An Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN MARINE BIOLOGY  
The Department of Biology, Middle Tennessee State University, invites applications for a tenure-track position in Marine Biology (Number 103329, ASSOCIATE PROFESSOR, Ph.D. required by first day of class) available August 1995. Appropriate training to teach courses in marine biology and to supervise courses in invertebrate zoology. Teaching, research, and graduate supervision. Applicants are encouraged to submit a curriculum vitae, two or more representative publications, and three letters of reference to: Dr. C. E. Alexander, Chair, Search Committee, Department of Biology, Middle Tennessee State University, Murfreesboro, TN 37132. Position availability contingent upon funding and final authorization. An Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ASSISTANT PROFESSOR  
IMMUNOLOGY  
The Department of Molecular Microbiology and Immunology at Oregon Health Sciences University has two tenure-track openings for a scientist or physician scientist at the ASSISTANT PROFESSOR level. Candidates should have a Ph.D. or M.D. or M.D./Ph.D. degree and have a strong research background and publication record in immunology. Letters of application should include a curriculum vitae and bibliography, a brief statement of research activities and interests, and names, addresses, and telephone numbers of three references. Send applications by March 1, 1995, to: Dr. David C. Parker, Medical School, Department of Molecular Microbiology and Immunology, Oregon Health Sciences University, 3181 SW Sam Jackson Park Road, Portland, OR 97201-3098. An Equal Opportunity/Affirmative Action Employer.

CELL/MOLECULAR BIOLOGIST  
ASSISTANT PROFESSOR  
TENURE-TRACK POSITION available fall 1995 in a small, diverse divisional department, emphasizing Ph.D. required. Development of a research program and external funding. Teaching responsibilities include a small class (max 8) plus advisement of Ph.D. students. Send summaries, transcripts, and three letters of reference to: Dr. A. Mills, Chair, Search Committee, New Mexico University, Portales, NM 88130. Telephone: 505-562-2478. Application review begins 1 March. New Mexico University is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

FACULTY POSITION IN GENETICS  
The Department of Biology, Middle Tennessee State University, invites applications for a tenure-track position (Number 103130, ASSISTANT/ASSOCIATE PROFESSOR, Ph.D. required by first day of class) available August 1995. The successful applicant must have a broad background in biology with genetics specialization. Research/public service is expected. Applicants are encouraged to submit a curriculum vitae, three letters of reference to: Dr. Philip A. Mathis, Department Chair, Box 578, Murfreesboro, TN 37132. Position availability contingent upon funding and final authorization. An Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

FACULTY POSITION IN MICROBIOLOGY/IMMUNOLOGY  
The Department of Biology, Middle Tennessee State University, invites applications for a tenure-track position (Number 103320, ASSISTANT/ASSOCIATE PROFESSOR, Ph.D. required by first day of class) available August 1995. The successful applicant must have a broad background in general microbiology, immunology and virology. Research/public service is expected. Applicants are encouraged to submit a curriculum vitae, three letters of reference to: Dr. C. K. McNabb, Department Chair, Box 578, Murfreesboro, TN 37132. Position availability contingent upon funding and final authorization. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN ANATOMY AND PHYSIOLOGY  
The Department of Biology, Middle Tennessee State University, invites applications for a tenure-track position (Number 103360, ASSISTANT/ASSOCIATE PROFESSOR, Ph.D. required by first day of class) available August 1995. Appropriate training to teach courses in anatomical and physiological anthropology and human paleoanthropology. Research/public service is expected. Applicants are encouraged to submit a curriculum vitae, three letters of reference to: Dr. S. H. Swain, Search Committee Chair, Box 60, MTSU, Murfreesboro, TN 37132. Position availability contingent upon funding and final authorization. An Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ASSISTANT, ASSOCIATE or FULL PROFESSOR (two positions) (search reopened). The new Center for Pharmaceutical Biotechnology invites applications in biotechnology/pharmaceuticals. Ph.D. and postdoctoral experience required. Responsibilities include developing a strong, externally funded research program, and teaching in the graduate and professional pharmaceuticals programs. The Center for Pharmaceutical Biotechnology fosters collaboration and cooperation, bringing together campus researchers from the full range of biotechnology-related disciplines. Successful candidates will have tenure-track appointments within the Center and Department of Pharmacology and the Department of Pharmaceutical Sciences. Send curriculum vitae, description of research interests, and three letters of reference to: Dr. M. E. Johnson, Interim Director, Center for Pharmaceutical Biotechnology, 6010 South Michigan Avenue, Chicago, IL 60612. Screening of applications will begin on 30 January 1995. Position availability is contingent upon final approval. An Equal Opportunity/Affirmative Action Employer.

Blue Mountain Community College is seeking applications for the following TENURE-TRACK POSITION: Biology instructor to teach majors and non-majors. Background in field biology with emphasis in animal and plant biology. Will teach lectures and labs. Closes January 31, 1995. Master’s in discipline or equivalent required. College teaching experience preferred. Please send information and materials; contact Human Resources at 503-276-1260 x365, 503-276-6532 (FAX); 503-276-2174 (TDD); P.O. Box 979801, Portland, OR 97280. An Equal Opportunity/Affirmative Action/ADA Employer.

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

**Developmental Neuroscience**
Phillip G. Nelson, MD, PhD
Position available to develop an independent research program in developmental neurobiology. The research should focus on the development of neurotransmitter phenotypes at the molecular level. The candidate is required to have broad experience in neuroanatomy, neurobiology, molecular biology, and transgenic technology. Laboratory of Developmental Neurobiology (OE-64), NICHD, Building 49, Room 5A38, 49 CONVENT DR MSC 4480, BETHESDA MD 20892-4480.

**DNA Repair**
Kenneth H. Kraemer, MD
Molecular, cellular and clinical studies of DNA repair in human cancer-prone genetic diseases are being performed. Laboratory studies utilizing shuttle vectors and molecular epidemiology are examining the molecular basis of cellular hypermutability in xeroderma pigmentosum and familial melanoma. Applicants must less than five years of postdoctoral experience. Laboratory of Malignancy Carcinogenesis (OE-64), NCI, Building 37, Room 3E24, Bethesda, MD 20892.

**Epidemiology and Statistics of Communication Disorders**
Howard J. Hoffman, MA
The prevalence and determinants of communication disorders are investigated, including epidemiologic, clinical and experimental research into diagnosis, treatment, causes and prevention of disorders of hearing, balance, smell, taste, voice, speech and language. National health interview and examination statistics are analyzed and correlated with behavioral, demographic, environmental, and biological risk factors. Applicants must have less than five years of postdoctoral experience. Epidemiology, Statistics and Data System Branch (OE-64), NIDCD, EFS Building 430, 6210 Executive Boulevard MSC 7180, BETHESDA MD 20892-7180.

**Genetic Disorders of Bone**
Joan C. Marini, MD, PhD
The molecular biology of genetic disorders of bone is being studied to understand how collagen mutations result in defective extracellular matrix, with an emphasis on osteogenesis imperfecta. There is a strong emphasis on molecular therapeutics for dominant disorders. Projects include antisense suppression, generating murine model of non-lethal OI and biology of OI osteoblasts. Position requires broad experience in molecular biology and biochemistry, less than five years postdoctoral experience and US citizenship or permanent residency required. Human Genetic Branch (OE-64), NICHD, Building 10, Room 9S242, 10 CENTER DR MSC 1830, BETHESDA MD 20892-1830.

**Molecular Genetics**
David A. Nielsen, PhD
The regulation of genes involved in serotonin metabolism and function in the CNS and their influence on behavior are being investigated. The focus is on tryptophan hydroxylase and serotonin receptors. A background in molecular biology (gene expression, in vivo transcription, transgenic animals, tissue culture) and biochemistry (protein phosphorylation and purification) is highly desirable. Applicants must have less than five years of postdoctoral experience. Laboratory of Neurogenetics (OE-64), NIAAA, Flow Building, Room 2, 12501 Washington Avenue, Rockville, MD 20852.

**Molecular Mechanisms of DNA Repair, DNA Replication, and Toxin Action**
Eric J. Ackerman, PhD
The molecular biology of vertebrate DNA repair is being investigated with particular emphasis on the role of single-stranded to double-stranded replication. Repair of damaged DNA substrates is studied both in injected Xenopus oocytes and efficient extracts. Additional projects involve elucidating the elucidating the molecular mechanisms by which toxins disrupt cellular protein synthesis. Applicants must have less than five years postdoctoral experience. Office of the Director, Division of Intramural Research (OE-64), Building 5, Room 411, 5 CENTER DR MSC 0580, BETHESDA MD 20892-0580.

**Signal Transduction and Molecular Biology**
Kuo-Ping Huang, PhD
Signal transduction pathway leading to the control of gene expression and neural function are being investigated. Developmentally regulated neurogranin gene is being used as a model for testing the specificity of the various PKC isoforms in transcriptional control. Phosphorylation of several newly identified PKC substrates is being studied to correlate with the actions of neurotransmitter and growth factor. Applicants should have less than five years of postdoctoral training. Endocrinology and Reproduction Research Branch (OE-64), NICHD, Building 49, Room 6A36, 49 CONVENT DR MSC 4510, BETHESDA MD 20892-4510.

**Additional Postdoctoral Fellowship Opportunities**
For an on-line listing of additional postdoctoral openings, you may access the NIH EDNET Bulletin Board POSTDOC conference via Internet (wybwr.cu.nih.gov) or modem (1,301-402-2221 or 1,800-358-2221) with parameters set at "7,Even,1." When connected to NIH, type in "vr100" for terminal emulation, "F5" for initials, and "AJL1" for account number.

The Postdoctoral Research Fellowship Opportunities catalog, which describes intramural laboratories at the NIH, is also available by request. An electronic version of the catalog may be accessed via the Internet using either the Gopher Information System (gopher.nih.gov) or the World Wide Web (http://www.nih.gov). When connected, select Research Opportunities at the NIH Office of Education. If you would like to request a catalog or have further questions, please contact the Office of Education, Building 10, Room 1C129, 10 CENTER DR MSC 1158, BETHESDA MD 20892-1158, 301-496-1603, Fax 301-402-0483.

**To Apply**
If you hold a doctoral degree (e.g., PhD, MD/PhD, MD, DO, DDS, DMD or DVM) accompanied by previous laboratory research experience, and would like to be considered for one of these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.
MALASPINA UNIVERSITY COLLEGE
DEPARTMENT OF BIOLOGICAL SCIENCES
New York, NY 10031
Telephone: 212-336-2000
Fax: 212-336-2135

Applications are invited for the position of Assistant Professor of Marine Biology beginning September 1, 1995. Applicants should be Ph.D. degree holders with a strong research background in marine biology. They should have excellent teaching skills and a strong commitment to research on the ecology and behavior of marine organisms. The successful candidate will be expected to teach lower-division courses and to develop and coordinate upper-level courses. The Department encourages applications from minority candidates.

Send letter of application, curriculum vitae, three letters of recommendation to:

Dr. G. G. Earl, Department Chair
Malaspina University College
1501 Fifth Avenue, Malaspina Center
Juneau, AK 99802

Applications will be considered until the position is filled.

MALASPINA UNIVERSITY COLLEGE
SPECIAL PROJECTS OFFICE
1501 Fifth Avenue
Juneau, AK 99802
Telephone: 907-468-5363
Fax: 907-468-5405

Applications are invited for a full-time tenure-track position in the Department of Biological Sciences at Malaspina University College beginning September 1, 1995. Applicants should have a Ph.D. degree in a field of biology, with a strong research background in marine biology. They should have excellent teaching skills and a strong commitment to research on the ecology and behavior of marine organisms. The successful candidate will be expected to teach lower-division courses and to develop and coordinate upper-level courses. The Department encourages applications from minority candidates.

Send letter of application, curriculum vitae, three letters of recommendation to:

Dr. G. G. Earl, Department Chair
Malaspina University College
1501 Fifth Avenue, Malaspina Center
Juneau, AK 99802

Applications will be considered until the position is filled.

MALASPINA UNIVERSITY COLLEGE
DEPARTMENT OF BIOLOGICAL SCIENCES
New York, NY 10031
Telephone: 212-336-2000
Fax: 212-336-2135

Applications are invited for the position of Assistant Professor of Marine Biology beginning September 1, 1995. Applicants should be Ph.D. degree holders with a strong research background in marine biology. They should have excellent teaching skills and a strong commitment to research on the ecology and behavior of marine organisms. The successful candidate will be expected to teach lower-division courses and to develop and coordinate upper-level courses. The Department encourages applications from minority candidates.

Send letter of application, curriculum vitae, three letters of recommendation to:

Dr. G. G. Earl, Department Chair
Malaspina University College
1501 Fifth Avenue, Malaspina Center
Juneau, AK 99802

Applications will be considered until the position is filled.

MALASPINA UNIVERSITY COLLEGE
DEPARTMENT OF BIOLOGICAL SCIENCES
New York, NY 10031
Telephone: 212-336-2000
Fax: 212-336-2135

Applications are invited for the position of Assistant Professor of Marine Biology beginning September 1, 1995. Applicants should have a Ph.D. degree in a field of biology, with a strong research background in marine biology. They should have excellent teaching skills and a strong commitment to research on the ecology and behavior of marine organisms. The successful candidate will be expected to teach lower-division courses and to develop and coordinate upper-level courses. The Department encourages applications from minority candidates.

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Dr. G. G. Earl, Department Chair
Malaspina University College
1501 Fifth Avenue, Malaspina Center
Juneau, AK 99802

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DEPARTMENT OF BIOLOGICAL SCIENCES
New York, NY 10031
Telephone: 212-336-2000
Fax: 212-336-2135

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Dr. G. G. Earl, Department Chair
Malaspina University College
1501 Fifth Avenue, Malaspina Center
Juneau, AK 99802

Applications will be considered until the position is filled.

MALASPINA UNIVERSITY COLLEGE
DEPARTMENT OF BIOLOGICAL SCIENCES
New York, NY 10031
Telephone: 212-336-2000
Fax: 212-336-2135

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Send letter of application, curriculum vitae, three letters of recommendation to:

Dr. G. G. Earl, Department Chair
Malaspina University College
1501 Fifth Avenue, Malaspina Center
Juneau, AK 99802

Applications will be considered until the position is filled.
The perfect environment for the world's most advanced research.

Los Alamos National Laboratory is the birthplace of many of the technologies which drive the technical and economic advancement of our country. At Los Alamos, this starts with research into the basic sciences and extends into a myriad of innovative programs and projects.

Technical Staff Member

The successful candidate will conduct independent research with the goal of identifying, purifying, and characterizing new gene products involved in cell cycle check points, regulation of cell division, and/or DNA repair and as a principal investigator, organize the antibody production component of a team research effort in cancer cell biology. Additional responsibilities include publishing peer reviewed research papers, providing oral and written reports, contributing to ongoing proposals, identifying program development opportunities and obtaining financial support for an independent research program.

The position requires research accomplishments, both independent and collaborative, as evidenced by a strong publication record. Recent experience in antibody production, demonstration of successful application of this technology in mechanistic cell biology, and broad research experience in molecular biology, genetics and biochemistry. Experience in technical management of research programs, supervision of personnel, ability to write proposals, ability to work in an interactive team environment, and strong oral and communication skills required.

To formally apply, interested candidates should forward a resume to Staffing, (MS P286), Human Resources Division 120756-94087, Los Alamos National Laboratory, Los Alamos, NM 87545. Affirmative Action/Equal Opportunity Employer. Individuals with disabilities needing reasonable accommodation should call (505) 667-8622. A Teletype Device for the Deaf (TDD) is available by calling (505) 665-5357. Los Alamos National Laboratory is operated by the University of California for the US Department of Energy.
POSITIONS OPEN

CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC)

CDC in Atlanta, Georgia, invites applications for the following position: DIRECTOR, National Center for Health Statistics (NCHS). The Director, NCHS, provides leadership in the design, development, and operation of statistical and information systems that guide actions and policies to improve the health of the American people. NCHS has approximately 600 employees in 15 different disciplines, including biostatistics, informatics, health services research, computer science, and epidemiology. Applicants should have an M.D., Ph.D., or equivalent, and at least 12 years of professional experience in public health. The deadline for applications is February 27, 1995.

POSITIONS OPEN

ASSOCIATE DEAN

College of Agriculture and Life Sciences

and

DIRECTOR

North Carolina Cooperative Extension Service

North Carolina State University

Raleigh

Applications are invited for this administrative position. Incumbent will have primary leadership responsibilities for an aspect of the North Carolina Cooperative Extension Service, report to the Dean of the College and serve with the Associate Deans for Academic Programs and Research as a member of the Dean’s Administrative Team. The Director represents the Cooperative Extension Service at the state, regional, national and international levels and works closely with the university’s extension service staffs in 100 counties, the Cherokee Reservation and a diverse state clientele to provide the highest quality extension programs. Responsibilities include program development, formulation of budget proposals, allocation of funds, employment, evaluation, promotion of faculty and staff and program coordination and outreach with administrators in the Colleges of Forest Resources and Veterinary Medicine and North Carolina Agricultural and Technical State University. Candidates must have an earned doctorate, demonstrated administrative experience and demonstrated accomplishments in his/her professional discipline. Submit by March 15, 1995, a letter of application, brief statement of administrative philosophy, references, and a curriculum vitae to: Dr. J. C. Wyne, Chair, Search Committee, Box 7643, North Carolina State University, Raleigh, NC 27695-7643. Telephone: 919-515-2717. An Equal Opportunity/Affirmative Action Employer.

EXECUTIVE DIRECTOR

ARCHBOLD BIOLOGICAL STATION

Archbold Biological Station seeks applicants for the position of EXECUTIVE DIRECTOR and SENIOR RESEARCH BIOLOGIST. Archbold is a private, non-profit research institute located near the southern end of the Lake Wales Ridge, an area rich in biotic endemism. The Station is dedicated to long-term ecological research and conservation, land management, and environmental education at all levels. A 2,000 hectare natural preserve surrounds an operating laboratory and housing facilities. Research of staff and associates emphasizes plant and animal demography, invertebrate systematics, community ecology, fire ecology, chemical ecology, and conservation biology. The Station manages an additional 6,000 hectares of natural and semi-natural habitat nearby, including a 4,000 hectare working cattle ranch on which research in agro-ecosystem management is conducted. The Station's programs include endowment income, grants and contracts, fees, and donations. The Executive Director reports to a Board of Trustees (Archbold Expeditions, Inc.). Besides providing leadership in research, education, and administration, the Executive Director is responsible for overseeing budgets and a staff of about 50. Opportunity exists for adjunct faculty status in area universities. Application must have a Ph.D., a strong background in ecological research, and demonstrated administrative experience. Send letter, curriculum vitae, and list of references to: Executive Search Committee, Archbold Biological Station, P.O. Box 2057, Lake Placid, FL 33862-2057, by 31 January 1995.

POSTDOCTORAL POSITION

For Transgenic Studies in Cellular and Molecular Neurobiology—The Department of Neurobiology offers postdoctoral positions available to study various aspects of molecular, cellular and developmental neurobiology. Some major areas of interest are ion channels, neurotransmitter receptors, and growth factors. Applicants should have a Ph.D. and experience in molecular biology, and be fluent in English. The position is available immediately and applications will continue to be accepted until the position is filled. For further information, contact: Dr. Gerald M. Edelman, Chairman, Department of Neurobiology, The Rockefeller University, 1230 York Avenue, 11th Floor, New York, NY 10021. Telephone: 212-327-8000. An Equal Opportunity/Affirmative Action Employer.

WILLIAM G. ALLYN CHAIR IN MEDICAL OPTICS

THE INSTITUTE OF OPTICS

UNIVERSITY OF ROCHESTER

Endowed Professorship in Medical Optics

The Institute of Optics invites nominations and applications for the position of CHAIR, Endowed Professorship in Medical Optics. The successful candidate will be expected to have achieved international prominence in some aspect of medical optics and to bring a vision and leadership at the level of full professor. He or she will be expected to conduct a vigorous program of research and to participate actively in The Institute's undergraduate and graduate teaching programs in optical science and engineering. The Institute of Optics, an academic department offering B.S., M.S., and Ph.D. degrees in Optics, has approximately 120 undergraduate students and 60 graduate students. The Institute's Medical Center and Center for Visual Science offer significant opportunities for collaborative research projects that involve the optical sciences, medicine, computer science, and technology to important areas of modern medicine. Each application should include a letter describing research and teaching interests, a curriculum vitae, and the names of three references. Nominations and applications should be sent to: Professor Dennis G. Hall, Director, The Institute of Optics, University of Rochester, Rochester, NY 14627. The University of Rochester is an Equal Opportunity/Affirmative Action Employer. Women and minority group members are encouraged to apply.

THOMAS ENDOVED CHAIR

DEPARTMENT OF BIOLOGY

GEORGIA SOUTHWESTERN COLLEGE

The Department of Biology invites applications for the Position of Endowed Chair, Tenure-Track Position available September 1, 1995. The Ph.D. is required. The person filling this position will be expected to carry a high level of expertise, and to develop research, in an area of biology complementary to the existing program. Teaching responsibilities will include introductory and upper level courses. Salary and rank are commensurate with excellence. Applicants should submit curriculum vitae, including a list of publications, and three letters of reference to: Dr. Gerald M. Edelman, Chairman, Department of Neurobiology, The Rockefeller University, 1230 York Avenue, New York, NY 10021. Telephone: 212-327-8000. An Equal Opportunity/Affirmative Action Employer.
Imagine The Possibilities

At Berlex, we've built our reputation on FDA-approved product successes and a proven track record in the pharmaceutical industry. Currently, we are seeking an Associate Scientist/Scientist to provide administrative and team direction to our Cell Culture Core Facility in the beautiful San Francisco Bay Area.

ASSOCIATE SCIENTIST/SCIENTIST-Cell Culture
You will ensure that the Cell Culture Core Facility carries out its responsibilities, drawing on your expertise in cell culture techniques, including cell proliferation assays, primary cell establishment, growth media optimization, and mammalian cell transfection. You will also supervise, train and develop staff, participate in routine cell culture activities when needed, and act as a resource for the Cell and Molecular Biology Department. Along with an MS or PhD in the Biological Sciences, we require 4+ years' experience in the characterization of mammalian cells in culture and prior supervisory/managerial skills. Excellent interpersonal abilities are required; retroviral infection experience and computer proficiency are desired.

As a US subsidiary of an international Fortune 500 company, Berlex is proud to offer competitive salaries and a generous benefits package. To apply, send your CV resume to: BERLEX, HUMAN RESOURCES EMPLOYMENT, DEPT. 894-055, 15049 SAN PABLO AVE., RICHMOND, CA 94804-0099. Principals only, please. EOE.

THE BEST IS YET TO COME

POSTDOCTORAL POSITION
Molecular & Cellular Cardiology

Mount Sinai

Postdoctoral position available to study the molecular and cell biology of excitation-contraction coupling in the heart. The applicant will have the opportunity to work with cloned expressed calcium channels using techniques of molecular and cell biology as well as cellular electrophysiology (see Cell 77:513-523). Strong background in molecular biology is preferred. Please send a curriculum vitae, statement of research interests and three letters of reference to: Andrew R. Marks, M.D., Co-Director, Molecular and Cellular Cardiology, Box 1269, Brookdale Center for Molecular Biology, Mount Sinai School of Medicine, One Gustave Levy Place, New York, NY 10029-6574, fax (212) 241-0309. An Equal Opportunity Employer.

The Mount Sinai Medical Center of New York

MOLECULAR MICROBIAL PHYSIOLOGIST

The Dow Chemical Company's Bioproducts Laboratory which is part of our Central Research and Development organization in Midland, Michigan, is seeking a Molecular Microbial Physiologist for a Post-Doctoral Position.

Applicants must have a Ph.D. in microbial physiology, molecular biology or a related field. A preference will be given to individuals with 1-2 years of industrial experience. Qualified candidates should have demonstrated competence in gene isolation/cloning methodologies, microbial (prokaryotic) gene expression and/or metabolic engineering and high-cell density fermentation.

Responsibilities will include the exploration of novel mechanisms and methods for controlling carbon utilization and growth of industrial microorganisms. In addition, investigations will be carried out to identify novel molecular approaches to low-cost, high-cell density fermentation processes.

The Dow Chemical Company provides a stimulating and challenging scientific environment which allows for both scientific and professional growth. In addition, we offer a competitive salary and benefits. Please send your resume to: Technical Recruiting, Department MM-1, The Dow Chemical Company, Employee Development Center, Midland, MI 48674. An Equal Opportunity Employer M/F/D/V.

The Dow Chemical Company

MICROBIOLOGIST (IMMUNOLOGY)
PATHOGENESIS AND BASIC RESEARCH BRANCH
DIVISION OF AIDS, NIAID, NIH

The National Institute of Allergy and Infectious Diseases, Rockville, Maryland, seek an experienced immunologist (GS-403-13). The base salary range is $47,920-$62,293; recruitment bonus may be available. Incumbent will plan, implement and evaluate immunological research in HIV pathogenesis; organize workshops, meetings and collaborative studies; communicate scientific, technical and management information, both within and outside the Division of AIDS, and plan allocation of resources. Applicant must demonstrate knowledge and experience in state-of-the-art immunology, virology and pathogenesis research, and have professional training equivalent to a Ph.D. or M.D., and immunology postdoctoral (or equivalent) experience.

Please send resume and/or SF-171, Application for Federal Employment (reference announcement no. 9492) to:

Ms. Kristie Daniel
NIAID Personnel Office
Building 31, Room 7A27
Bethesda, Maryland 20892
(301-402-1421)
U.S. citizenship is required.

Applications will be accepted until January 17, 1995. NIH is an Equal Opportunity Employer
Positions Open

Chair
Department of Neurobiology
University of Pittsburgh
School of Medicine

Nominations and applications are requested for a CHAIRPERSON to energize the growth and development of a newly created Department of Neurobiology in the School of Medicine. The department will occupy new research space in the newly constructed Molecular Sciences Tower. The ideal candidate will hold an advanced degree (Ph.D., M.D. or both) and will have a vigorous research program at the molecular and cellular level, with demonstrated leadership ability in fostering faculty development and graduate and medical student education, and in developing basic and clinical sciences. We are particularly interested in candidates whose areas of expertise are biomedical neurobiology, although candidates actively researching other areas of neurobiology will be considered. The new chairperson will be responsible for, among other things, interfacing the department with various University of Pittsburgh Medical Center departments, institutes and centers. This twelve-month tenured professor position will have a salary commensurate with the experience of the individual and can be occupied as soon as possible. To ensure full consideration, applications should be received by April 1, 1995.

Interested persons should submit a letter of intent and curriculum vitae to: Dr. Joseph Giroir, Chairman of the Search Committee, Department of Molecular Genetics and Biochemistry, E1246 Biological Science Tower, University of Pittsburgh School of Medicine, Pittsburgh, PA 15260. Telephone: 412-648-1812. Women and minorities are encouraged to apply. The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.

Dean—Medical College of Pennsylvania and Hahnemann University School of Medicine—The Medical College of Pennsylvania and Hahnemann University have recently consolidated and the new institution is seeking nominations and applications for the position of Dean of the School of Medicine. Nominees and applicants must hold a terminal degree in biomedical sciences (M.D. Ph.D. or equivalent) and have a distinguished record of scholarly and professional accomplishments appropriate for tenure at the deans' level. We seek an individual whose vision and management skills will stimulate and shape the growth and stature of the School of Medicine at a time of immense change within the University and in the health care environment at large. Candidates must have a demonstrated record of effective recruitment and retention of outstanding faculty and staff and the ability to recognize and support excellence and diversity within the faculty. In addition, candidates must also embrace an educational philosophy that emphasizes the essential integration of research, teaching and patient care, and must have the faculty leadership capability to effectively implement these strategies. Nominations and applications will be accepted until January 31, 1995, and will be reviewed beginning immediately. Nominations should be sent to the attention of Leslie Anna Miller, Esq. at the Medical College of Pennsylvania and Hahnemann University School of Medicine, 3300 Henry Avenue, Philadelphia, PA 19129, c/o Ms. Jane Underwood, The Medical College of Pennsylvania and Hahnemann University is an Affirmative Action/Equal Opportunity Employer.

Assistant Professor
Department of Cell Biology

The Department of Natural Sciences at the University of North Florida is extending the search for a microbiologist and invites applications for this TENURE-TRACK POSITION for the fall 1995, A Ph.D. in microbiology or a related field is required. Applicants must demonstrate a strong commitment to undergraduate teaching and the ability to conduct meaningful research involving undergraduates. Teaching experience and the potential for extramural funding are valued. Teaching responsibilities for the academic year include some combination of microbiology, cell biology and introductory biology. Applicants must submit a letter of application, curriculum vitae, concise statements of teaching and research interests, undergraduate and graduate transcripts, and three letters of reference to: Joseph A. Butler, Search Committee, Department of Natural Sciences, University of North Florida, Jacksonville, FL 32224-2645. Postmark deadline is February 20, 1995. The University of North Florida is an Affirmative Action/Equal Opportunity Employer.

Positions Open

Chair
Department of Chemistry
The University of Texas
El Paso

Qualifications include Ph.D. in Chemistry, administrative experience, and demonstrated interpersonal skills, and professional/scientific credentials to lead a department with a strong record of teaching and research with undergraduate and graduate students. The area of research specialization should lie within the materials and/or environmental sciences fields. Present departmental goals include continuation of a vigorous undergraduate research and active participation in two interdisciplinary Ph.D. programs (Materials Sciences; Environmental Sciences and Engineering). The educational, outreach and developmental goals of the University of Texas El Paso include significant commitments within the binational areas of the United States and Mexico in which the Chair will participate. Please submit curriculum vitae, statement regarding teaching and administrative leadership, statement of research plans, and listing of three references (name, address, telephone) to: Chemistry Chair Search Committee, UTEP, Department of Chemistry, El Paso, TX 79968. Does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in the provision of services. The University of Texas at El Paso is an Affirmative Action/Equal Opportunity Employer.

Brandeis University
Postdoctoral and Predoctoral Positions

The Sloan Center for Theoretical Neurobiology

Available immediately: Postdoctoral and Predoctoral Positions in computational neuroscience within the Sloan Center for Theoretical Neurobiology. This program is designed to bring theorists with strong mathematical and computational skills in direct contact with experimental techniques and is rooted in studies of single channels and neurons to the dynamics and function of invertebrate and vertebrate neural networks. The core of the Sloan Center for Theoretical Neurobiology at Brandeis University includes: Larry Abbott, Irwin Epstein, Irwin Levitan, John Lisman, Eve Marder, Chris Miller, Sacha Nelson and Gina Turrigiano. Candidates are expected to have a background in quantitative and computational neuroscience and an interest in applying these methods to problems in experimental neurobiology. Applicants with a Ph.D. degree in neuroscience or closely related fields and candidates already working within the Department of Neuroscience at Brandeis can contact one of the participating faculty or Marder@binah.cc.brandeis.edu. Predoctoral candidates should apply to the Neuroscience Ph.D. program. For applications: Neuroscience Graduate Program, Volen Center, Brandeis University, Waltham, MA 02254 USA or cabral@binah.cc.brandeis.edu.

Applicants from general neuroscience fields are equally welcome. Brandeis University is an Equal Opportunity/Affirmative Action Employer.

InterVentricular Disc Research
Department of Orthopaedic Surgery
Carolina Medical Center

Postdoctoral Position available immediately to study the cell biology of the interventricular disc cell in humans and animal models. Expertise in tissue culture, cytokines and molecular biology required; previous experience with connective tissue matrix desirable. Well-supported lab offers opportunity to study ongoing research with a clinical focus and to develop publication and grant-writing skills. Candidates must possess a Ph.D. in an appropriate field with experience in the above areas of research with possibility of Dr. Helen Gruber. To apply, send curriculum vitae, transcripts, names of three references and a brief statement of research interests to: Dr. Richard H. Cabral, Department of Orthopaedic Surgery, 1 Charlotte-Mecklenburg Hospital Authority, P.O. Box 32861, Charlotte, NC 28223-2861. An Equal Opportunity Employer.

Postdoctoral Position

Emory University

Department of Pathology

Endothelial Biology and Ion Channels

An NIH-funded position is immediately available to study the molecular regulation of angiotensin converting enzyme (ACE) expression by endothelial cells. These cells express ACE only when they are confluent and nonproliferative. The project is to try and understand the biochemistry of how endothelium stop proliferating. Applicants will be expected to work with graduate students and technicians and to take a substantial role in developing a program investigating ACE expression by vascular tissues. Applicants should have a PhD in molecular biology and an interest in growth regulation or vascular biology. Send curriculum vitae, reprints and references to Ken Bernstein, M.D., Room 711 WMB Emory University, Atlanta, GA 30322. Emory University is an Equal Opportunity Employer.

Postdoctoral Position

Molecular Biology of Fertilization-AssociatedIon Channels

A position is available immediately for a Molecular Biologist to study the structure and function of mammalian sperm cazzo and Ca• channels that are activated by adenosine to the eit's extracellular matrix (zona pellucida). Prior experience with mammalian expression systems is desirable, but not required. Please send recent curriculum vitae and the names of three references to: Dr. Hazel A. Phelan, Co Human Resources Office, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, MA 01545 USA. Research with Opportunity/Affirmative Action/Minority/Female/Disabled.

Postdoctoral Position in Cancer Research

The Biology Department at Syracuse University is seeking Teaching/Research POSTDOCTORAL ASSOCIATES in Biology and Evolutionary Biology. The Postdoctoral Associate for five years will be responsible for teaching a one-semester course in Evolution for undergraduates. Balance of time will be devoted to research. Applicants are expected to have a Ph.D. in population Biology, with research interests in Evolutionary Genetics, Molecular Evolution, Behavioral Ecology, Plant Physiological Ecology, Community and Ecosystems Ecology, and Animal Physiological Ecology. Appointment is for up to three years with a preferred starting date of August 28, 1995.

The Postdoctoral Associate for Biology will contribute to the research and teaching activities of the department. Candidate will be expected to aid in the development and administration of a one-semester introductory Biology course for majors, stressing the diversity of organisms. Primary responsibility will be to guide students in laboratory and field projects, exploring how organisms monitor and respond to their environment. These teaching responsibilities will occur from July to December. Balance of time can be devoted to research with a faculty member, to assist in the administration of the Biology Department undergraduate curriculum, to contribute to the biology program in the Biology Department, or to help with another project. The position is open immediately. Application deadline is February 15, 1995.

Applications are submitted only by e-mail to Ms. Sarah Bark, Ph.D., West Virginia University, School of Pharmacy, P.O. Box 9530, Morgantown, WV 26506. Telephone: 304-293-7611; Email: smarkin@wvumc.wvu.edu.

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Center for Structural Biology

FACULTY POSITIONS: NUCLEAR MAGNETIC RESONANCE

The Center for Structural Biology of the College of Medicine, University of Florida, currently has openings for faculty conducting innovative research emphasizing nuclear magnetic resonance. The Center is associated with the University of Florida Brain Institute (UFBI) and with the National High Magnetic Field Laboratory (NHMFL), jointly run by Florida State University, the University of Florida, and the Los Alamos National Lab. The Center is an interdisciplinary program with emphasis on understanding of biological function by determining high-resolution structures of large biological molecules and assemblies, studying cell structure and function, and their morphology and physiology of the whole organism. Within the Center faculty use spectrometers, diffraction, and imaging techniques (nuclear magnetic resonance, optical microscopy, and electron microscopy; X-ray crystallography is being planned) and are encouraged to derive molecular-based information related to cellular, tissue, and organism-level structure and function. The Center houses NMR spectrometers (Varian Unity 300 and Unity 600) used for macromolecular structure determination and microscopy, as well as an imaging spectrometer (a 12 T, 40 cm system to be installed in 1997) for animal research. Also the Center uses a 4.7 T, 33 cm animal system and a 3 T whole-body system (to be installed in 1996) for research. In addition, Center faculty use prototype magnets and spectrometers located at the NHMFL Tallahassee site, including a wide-bore 600 MHz and 720 MHz high-resolution spectrometer, with other magnet systems operating at higher fields.

Faculty are being recruited in two areas:

1) High-resolution macromolecular NMR spectroscopy
2) High-resolution NMR imaging and spectroscopy in living systems.

Interested persons are invited to apply for tenure-track faculty positions, at any level, with direct association to the National High Magnetic Field Laboratory. Applicants at the assistant professor level need extensive experience with NMR at the postdoctoral or more advanced level. Applicants who can provide a high standard of refereed publications are encouraged to apply. Applicants at the associate professor level need to have an established program with extramural funding. Successful candidates will conduct innovative research emphasizing NMR and will use the facilities of the Center for Structural Biology, with additional support provided through the facilities of the NHMFL and the UFBI.

Applications may be submitted at any time and will be considered immediately. Interested persons should submit a curriculum vitae, the names of three referees, and three letters of recommendation. Application materials are due by Sep. 30, 1995. The University of Florida has a strong commitment to diversity and encourages applications from women and minority candidates.

Applications must be submitted by September 30, 1995. The University of Florida is an equal opportunity/affirmative action employer. Any correspondence should be sent to: Dr. Mareci, Ph.D., Director, Center for Structural Biology, College of Medicine, University of Florida, Box 100245, Gainesville, Florida, 32610-0245. The application will be submitted to the University of Florida's Equal Opportunity/Affirmative Action Committee. Correspondence should be directed to: Equal Opportunity/Affirmative Action Committee, Office of Equal Opportunity and Affirmative Action, 215 Union Hall, University of Florida, Gainesville, Florida 32611-2001. Inquiries should be directed to: Dr. Mareci, Ph.D., Director, Center for Structural Biology, College of Medicine, University of Florida, Box 100245, Gainesville, Florida, 32610-0245.

The University of Florida is an Affirmative Action-Equal Opportunity Employer and all qualified applicants, including women, minorities, and persons with disabilities are encouraged to apply.

FACULTY POSITIONS

DEPARTMENT OF BIOLOGY

TEXAS A&M UNIVERSITY

We invite applications for two tenure-track faculty positions in the areas of plant molecular biology and animal developmental biology. The successful candidates are expected to develop nationally recognized research programs, to teach at both the undergraduate and graduate levels, and to complement current strengths in microbial, plant and animal biology. Applicants must have a Ph.D. (or equivalent degree) and postdoctoral experience.

Plant Molecular Biology

We are seeking an outstanding molecular biologist studying fundamental problems of plant biology. The successful candidate will be housed in a new, multi-disciplinary plant biotechnology center. Special consideration will be given to candidates applying molecular genetic approaches to study plant development or signal transduction in an advanced model, such as Arabidopsis. Applicants should submit a curriculum vitae, a description of research and teaching interests, and the names, addresses and telephone numbers of three referees to: Jim Carrington, Chair, Plant Molecular Biology Search Committee, Department of Biology, Texas A&M University, College Station, Texas 77843-3258. Fax: (409) 845-2891. E-mail: carrington@bio.tamu.edu.

Developmental Biology

We are seeking an outstanding scientist studying fundamental problems of animal development at the cellular, molecular and/or genetic levels. The Center for Developmental Biology is a new, interdisciplinary center studying a model organism such as zebrafish or Xenopus to take advantage of our extensive aquatic facilities. However, consideration will also be given to other applicable systems. Applicants should submit a curriculum vitae, a description of research and teaching interests, and the names, addresses and telephone numbers of three referees to: Vincent M. Cason, Chair, Developmental Biology Search Committee, Department of Biology, Texas A&M University, College Station, Texas 77843-3258. Fax: (409) 845-2891. E-mail: vmc@bio.tamu.edu.

Closing date: February 15, 1995, or until position is filled.

Texas A&M University is an Equal Opportunity/Affirmative Action employer.

Postdoctoral Research Fellowships

The PARKE-DAVIS Pharmaceutical Research Division of Warner-Lambert has initiated a multidisciplinary postdoctoral research program which provides exciting opportunities to conduct basic studies in areas of potential therapeutic utility. The following Fellowships are currently available in the Pathology and Experimental Toxicology Department:

Mechanisms of Cellular Injury

The Fellow will be involved in investigating drug-induced changes of cellular organelles resulting in cell injury. Studies will include determination of cellular function using fluorescent and confocal microscopy and biochemical assays. In vitro approaches will be used, primarily involving hepatocytes.

Gastrointestinal Toxicity of Peptide Hormone Antagonists

The Fellow will investigate biochemical, cellular, and physiologic mechanisms underlying gastrointestinal effects of peptide hormone antagonists. Studies will utilize a combination of in vivo and in vitro approaches to explore secretory and trophic effects of GI hormones and their modulation by specific peptide hormone antagonists.

Candidates should have a Ph.D. in toxicology or related field, with experience in cell culture techniques and microscopy and/or biochemistry.

Toxicologic Pathology

The Fellow will be involved in characterization of effects of recombinant human epidermal growth factor (rhEGF) in tissues of rodents and primates. In vivo and in vitro studies will involve the application of histomorphometry, immunohistochemistry, transmission electron microscopy, and in situ hybridization in delineating tissue response. Cell proliferation markers (BRDU and PCNA) will be used to determine rhEGF-sensitive cell populations.

Applications should possess a D.V.M., M.D. or Ph.D. degree with advanced training in histology/pathology and experience in techniques listed above.

Mechanisms of Pancreatic Cell Proliferation and Carcinogenesis

The Fellow will investigate the role of oncogenes, tumor suppressor genes and mechanisms of pancreatic cell proliferation and carcinogenesis in vivo and in vitro models. Modern approaches to cell and molecular biology will be used to identify and clone novel genes involved in the transformation process.

Applications should have a Ph.D. in biochemistry, molecular biology, experimental pathology, toxicology or a related field. A strong background in molecular biology is required.

Qualified candidates should send curriculum vitae and references to: Box JDM-PET, PARKE-DAVIS Pharmaceutical Research, Warner-Lambert Co., 2800 Plymouth Road, Ann Arbor, MI 48105. "Smoke-Free Work Environment"
POSTDOCTORAL POSITION

POSTDOCTORAL POSITION

Position available in the laboratory of Dr. John Krupinski at the Weis Center for Research in Danville, Pennsylvania. The successful applicant will have a Ph.D. in biochemistry, Cell biology, or pharmacology with experience in molecular biology. The project will involve the expression and characterization of novel forms of adenosine deaminase. A strong background in molecular biology, competitive salary and fringe benefits are available. Please send curriculum vitae and names and telephone numbers of three references to: Geisinger Human Resources (J.K.), 100 North Academy Avenue, Danville, PA 17821-0215, an Opportunity Employer. Minority/Female/Disabled/Veterans.

POSTDOCTORAL POSITIONS available to candidates with experience in biochemistry of signal transduction for two different projects: (1) to study pathways that mediate neurite growth stimulated by neuronal activity and (2) to investigate regulation of voltage-sensitive calcium channels by cyclic nucleotide mediators in excitable cells. We are seeking candidates with a strong background in molecular biology, especially in regulation of gene expression, preferentially with a Ph.D. in biology or equivalent, with a strong background in biology, especially in regulation of gene expression, preferentially. Fellowship salary is $27,000 to $30,000 and includes health insurance coverage. Send curriculum vitae, a statement of research interest and names of at least three references to: Robert Messing, Department of Neuroscience, Ernest Mario School of Pharmacy, Rutgers University, 1200 Freehold Road, Piscataway, NJ 08854-8107. Applications should be submitted by May 1, 1995.

POSTDOCTORAL RESEARCH POSITION in p53-Dependent Stem Cell Regulation

Position available immediately for recent graduates trained in molecular biology and molecular biology. Utilization of novel p53-inducible cell lines to investigate the regulation of stem cell division by the antioncogene p53 and to identify nuclear envelope-dependent mechanism. Interested graduates should forward curriculum vitae and three letters of reference to: James L. Shereley, M.D., Ph.D., c/o Human Resources Department, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. An Equal Opportunity Employer.

Two POSTDOCTORAL POSITIONS are available immediately in the Vascular Cell Biology Laboratory, Texas Heart Institute, for persons trained in Molecular/Cell Biology, Biochemistry or related disciplines to study (1) Fibronectin, integrin and FGF receptors and (2) Ligation mediated gene therapy approaches for inhibiting fibrosis. The laboratory has a strong background in molecular biology, and will have a strong background in molecular biology, especially in regulation of gene expression, preferentially with a Ph.D. in biology or equivalent, with a strong background in biology, especially in regulation of gene expression, preferentially. Fellowship salary is $27,000 to $30,000 and includes health insurance coverage. Send curriculum vitae, a statement of research interest and names of at least three references to: Carolyn Williams, Vascular Cell Biology Department, Texas Heart Institute, P.O. Box 20345, MC 2-255, Houston, TX 77225.

POSTDOCTORAL POSITION available immediately for an outstanding individual to study the molecular mechanisms of cell cycle control and differentiation of lymphocytes with emphasis on immunologic systems. Candidates should have a strong background in Molecular Biology and Biochemistry. U.S. permanent residency is required. Send curriculum vitae and names of three references to: Dr. Alan A. Schreiber, University of Pennsylvania Cancer Center, 7 Silverstein-4283, 3400 Spruce Street, Philadelphia, PA 19104. FAX: 215-662-4079.

POSTDOCTORAL POSITION available immediately to study the molecular and cellular biology of uroepithelial tumors. The candidate will have a strong background in molecular biology (Ph.D. is required). The candidate will be in a stimulating intellectual environment and will have the opportunity to collaborate with a diverse faculty of basic scientists at Harvard Medical School. Send curriculum vitae and names of three references with telephone numbers to: Dr. Anthony Atala, Laboratory for Tissue Engineering, Children’s Hospital and Harvard Medical School, 300 Longwood Avenue, Boston, MA 02115.

POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITION

MOLECULAR PATHOLOGY AND GENETICS

Applicants are invited to participate in NIH-funded studies of HIV-1 genetic variability as related to maternal–infant transmission of HIV-1. Send curriculum vitae, a statement of research interest and names of at least three references to: Dr. Robert M. Goodenow, Undergraduate Medical Education, BFMC, Box 4079, Gainesville, GA 30621. FAX: 904-392-0481.

POSTDOCTORAL POSITION

CATALYTIC RNA

Positions are available to study the mechanism of group II intron self-splicing, or to study the regulation of pre-mRNA alternative splicing. Interested applicants should have a recent Ph.D. and have a recent Ph.D. in molecular biology. Send curriculum vitae and names of three references to: Kevin Jarrell, Ph.D., Department of Pharmacology and Experimental Therapeutics, Johns Hopkins University School of Medicine, 80 East Concord Street, Boston, MA 02118.

POSTDOCTORAL POSITION

AUTOIMMUNITY


POSTDOCTORAL POSITION available immediately to study molecular regulation of apo B mRNA editing. Projects include characterization of the apo B mRNA editing enzyme (S. C. Biochem. 260:1816, 1995) and gain of function in liver cells (JBC, 269:5932) and gain and loss of function through transgenic/ES cell technology. Solid background in molecular biology is required. Send curriculum vitae and three references to: Dr. Nicholas O. Davidson, University of Chicago, FAX: 312-702-2182. Email: akomin@medicine.bsd.uchicago.edu. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATE–Massachusetts Institute of Technology–A position is available in the Harvard–MIT Division of Health Sciences and Technology for an experimental scientist with skills in: analytical biochemistry (HPLC, GPC, FPLC), animal experimentation and biomedical polymer material science. Please send a curriculum vitae with three references to: Larry Bresnick, Department of Molecular Biology, 8/11-170, Blavatnik Science Engineering Center, 20A-124, Cambridge, MA 02139. FAX: 617-253-2514. MIT is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

A postdoctoral position is available for a recent Ph.D. with experience in signal transduction and molecular biology. The projects involve studies of the regulation of signal transduction, and will include studies of signaling mechanisms of the membrane receptor and the enzymes that regulate signal transduction. Send curriculum vitae, three letters of reference, and three letters of reference to: Dr. Michael J. Nies, Department of Molecular Biology and Biophysics, University of Virginia, Health Sciences Center Box 449, Charlottesville, VA 22908.

POSTDOCTORAL POSITION

To study new mouse model of chronic granulomatous disease, an inherited defect in NADPH oxidase activity. Send curriculum vitae, a brief description of previous research experience and the names and addresses of three references to: Dr. Robert W. Bennett, Department of Molecular Pharmacology and Experimental Therapeutics, University of Texas Southwestern Medical School, Dallas, TX 75235-9030.

POSTDOCTORAL POSITION

To study new mouse model of chronic granulomatous disease, an inherited defect in NADPH oxidase activity. Send curriculum vitae, a brief description of previous research experience and the names and addresses of three references to: Dr. Robert W. Bennett, Department of Molecular Pharmacology and Experimental Therapeutics, University of Texas Southwestern Medical School, Dallas, TX 75235-9030.

POSTDOCTORAL POSITION

To study the regulation of gene expression and chromatin structure in erythroid cells. The position utilizes biochemical and molecular genetics approaches to study the role of the human β-globin locus control region. Send curriculum vitae and the names of three references to: Dr. J. S. Elgin, University of Massachusetts Medical School, Department of Pharmacology, Cell and Molecular Biology Program, 1300 University Avenue, Madison, WI 53706.

POSTDOCTORAL POSITION

The Gladstone Institute Of Cardiovascular Disease, University of California, San Francisco. In the lab of Robert V. Farese, Jr., M.D. for research on the role of apolipoprotein B and lipoproteins in mouse development. Current projects include a wide range of methods to characterize development defects in apo-B knock-out mice. Candidates should possess a Ph.D. or M.D./Ph.D. Experience with transgenic mice, molecular biology, and/or developmental biology is desirable. Send curriculum vitae, and names of three references to: Post-doctoral Recruitment Coordinator, UCSF, P.O. Box 419100, San Francisco, CA 94141-9100. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

GENE TRANSFER

To study mechanisms of gene transfer and expression in cultured cells and in animals, with potential application to gene therapy (see Science, 261:209, 1993; JBC, 268:16087, 1993; PNAS, 89:11277, 1992). Seek scientists with extensive experience in 1) molecular biology for the design of novel expression vectors; 2) cellular and subcellular biology; and 3) molecular biology and the neurosciences. Please send curriculum vitae and names of three references to: Dr. Michael R. Smiley, Department of Developmental Neurosciences, Box 1118, UCSF Medical Center, San Francisco, CA 94141-0128.

NEUROSCIENCIST

JUNIOR FACULTY OR POSTDOCTORAL POSITION available to study local signaling between neurons and astrocytes using in vivo and in vitro preparations. (See: Science, 263:1768-1771, 1994). Experience in neuronal cell biology, imaging techniques and/or electrophysiology is required. Submit curriculum vitae and reference list to: Maiken Nederhaug, M.D., Ph.D., Department of Cell Biology and Anatomy, New York Medical College, Basic Science Building, Valhalla, NY 10595. FAX: 914-993-4653.

POSTDOCTORAL or RESEARCH ASSOCIATE position available immediately to study the regulation of cellular function by specific growth factors. Ph.D. and experience in molecular biology or biochemistry are required. The position involves independent research as well as collaborations. Send curriculum vitae and names of three references to: Dr. Florence M. Hofman, Department of Pathology, University of Southern California Medical School, 2011 Zonal Avenue, Los Angeles, CA 90033.

POSTDOCTORAL RESEARCH ASSOCIATE

The Henry M. Jackson Foundation for the Advance ment of Military Medicine 1401 Rockville Pike, Suite 600 Rockville, MD 20852 An Affirmative Action/Equal Opportunity Employer

POSTDOCTORAL FELLOWSHIPS IN CARIOTID ARTERY ENDOTHelial CELL BIOLOGY, UCSF

NIH-funded fellowships available in early and perinatal cardiovascular development (e.g., cardiac morphogene sis, endothelial function, gene regulation, signal transduction) in a multidisciplinary group of molecular biologists. Candidates must have a Ph.D. or M.D. interest in basic molecular biological/physiological research, and commitment to an academic career. U.S. citizenship or permanent residency is required. Applicants should send curriculum vitae, statement of research interests/goals, and three references to: Michael A. Heymann, Ph.D., Department of Pathophysiology and Pharmacology, University of California, San Francisco, CA 94143-0544. The University of California, San Francisco is an Equal Opportunity Employer.
IMMUNOLOGIST

Abbott Laboratories is seeking an IMMUNOLOGIST for its Ross Products Division. The successful candidate will possess at least an M.S. degree with 2-3 years' experience, or a Ph.D. in experimental cellular immunology. A solid background in CMI methods, flow cytometry, and statistical analysis is essential. This position will make significant laboratory and intellectual contributions in cellular immunology to a comprehensive immunology research program. This position will supervise technicians, use PC spreadsheets to manage data, and help maintain our level II biohazard facilities.

Ross Products Division, headquartered in Columbus, Ohio, is the leader in infant and adult nutritional products. We offer an excellent compensation and benefits program. For confidential consideration, direct your CV to: ROSS PRODUCTS DIVISION, Attn: Staff Recruiter, 625 Cleveland Avenue, Columbus, OH 43215. Ross is an EEO and offers a smoke-free environment.

ABBOTT LABORATORIES
ROSS PRODUCTS DIVISION

Endowed Postdoctoral Fellowship
Cancer Biology/Radiation Oncology Program

Cleveland Clinic Research Institute

Postdoctoral position in multidisciplinary group studying the genetic correlates and molecular pharmacology of oncogene-associated apoptosis in irradiated tumor cells and normal tissues. Candidates should have significant experience in molecular biology techniques as applied to tumor suppressor genes and their products.

Send curriculum vitae, research statement, and letters of reference to: Roger Macklis, MD, Chair, Radiation Oncology Department-T28, The Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, Ohio 44195. Fax: 216-445-7595.

THE CLEVELAND CLINIC FOUNDATION

An Equal Opportunity Employer M/F/D/V
Smoke-Free Environment

Department of Veterans Affairs Research & Development Program

Associate Chief of Staff for Research

Dallas Department of Veterans Affairs Medical Center is recruiting for an Associate Chief of Staff (ACOS) for Research. It is closely affiliated with the University of Texas Southwestern Medical Center at Dallas.

The Dallas VAMC Research Program includes nearly 200 active research projects which are being conducted in more than 44,775 square feet of modern research space by 81 active investigators. Included are a Nonprofit Research corporation, an Animal Research Facility, and a very diverse biomedical research program. 1994-1995 funding will exceed $7 million from VA, NIH and other private and public sources.

The ACOS for Research is challenged to provide the vision, leadership and management for further growth and development of these programs within the context of the new, competitive health care environment. Candidates possessing an MD or MD/PhD are preferred and must also hold the scientific research and academic credentials to qualify for an appointment at University of Texas Southwestern Medical Center. Especially important is a candidate whose communication, administrative and leadership skills are sufficient to implement a strategic plan for a research program which integrates the strengths of our university affiliate with those of this hospital. The ACOS is expected to establish and maintain an externally funded research program at the VA.

Dallas VAMC is located in the suburb of Oak Cliff, 7 miles southeast of the University of Texas Southwestern Medical Center.

Dallas is truly a "World Class City" offering wonderful neighborhoods and affordable housing in the city or suburbs; outstanding schools; outstanding professional and collegiate athletics; outstanding performing arts including the symphony, opera and theaters; fabulous museums and restaurants.

Qualified candidates should submit a letter of interest and curriculum vitae not later than February 15, 1995 to Stuart I. Myers, M.D., Chief, Surgical Service (112), Department of Veterans Affairs Medical Center, 4500 South Lancaster Rd., Dallas, TX 75216.

BIO-MÉGA

Boehringer Ingelheim Research Inc.

Bio-Méga/Boehringer Ingelheim Research Inc. is one of Canada's leading pharmaceutical laboratories. An opportunity exists for a qualified computational chemist to join our company in its quest for new and innovative pharmaceuticals.

Computational Chemist

The successful candidate will join a multidisciplinary team devoted to structure-based drug design, thereby adding computational chemistry expertise to that of medicinal chemistry, biochemistry, NMR spectroscopy and X-ray crystallography.

The ideal candidate will possess a PhD and have extensive experience in applied molecular mechanics calculations. Knowledge in other areas of computational chemistry will be an asset. Preference will be given to candidates with expertise in modeling enzyme-inhibitor interactions. Strong communication and interpersonal skills are essential.

Bio-Méga/Boehringer Ingelheim Research Inc. offers a competitive compensation and benefits package in addition to the opportunity to work in a pleasant and intellectually stimulating environment.

Interested candidates should send their resume to:

Human Resources Department
BIO-MÉGA/BOEHRINGER INGELHEIM RESEARCH INC.
2100 Cunard Street
Laval, Quebec H7S 2G5, CANADA
Fax: (514) 682-8434
POSTDOCTORAL FELLOWSHIP IN SEABIRD ECOLOGY AND BEHAVIOR

An opportunity for a two-year POSTDOCTORAL FELLOWSHIP is anticipated with the National Marine Fisheries Service/NOAA, starting in the spring of 1995. The appointee will be expected to lead the seabird component of a research team analyzing and writing up a nine-year ecological database on seals and penguins. Sea-bird studies have focused on interannual comparisons of feeding behavior, reproductive success, growth and condition, and demography of chinstrap penguins. Complementary data are available from coordinated research cruises on the distributions and abundances of zooplankton and on oceanographic conditions near the penguin breeding colonies. Candidate should have strong background in avian ecology, behavior, and demonstrated strengths in analysis, writing, and working as a member of a team. Experience with marine ecosystems preferred, Ph.D. required. To express interest in this opportunity, please send detailed curriculum vitae, copies of reprints, and names of three references by 15 January 1995 to: Dr. J. L. Bengtson, National Marine Mammal Laboratory, 7600 Sand Point Way N.E., Seattle, WA 98115.

For further information, telephone Dr. Bengtson at 206-526-4016 or Dr. Peter Boveng at 206-526-4244. An Equal Opportunity Employer.

REYNOLDS RICH SMITH FELLOWSHIP

Harvard Medical School offers the REYNOLDS RICH SMITH FELLOWSHIP for research training in the development of controlled functions of the central nervous system relevant to the prevention and treatment of autism and related diseases. The fellowship is open to individuals who have completed, or are in the process of completing requirements for board certification in neurology or neurology, and who will devote a majority of their time to research in Harvard Medical School faculty members. The program provides salary, based on level of training and research funds for one year with opportunity for renewal. Applicants should submit curriculum vitae, research proposal (not more than two pages), and a letter from the faculty research sponsor by February 10, 1995, to: Harvard Medical School, Reynolds Rich Smith Fellowship, Joint Program In Neuroscience, 300 Longwood Avenue, Enders 9, Boston, MA 02115.

POSTDOCTORAL RESEARCH ASSOCIATE BREST CANCER UNIVERSITY OF NEW MEXICO

A POSTDOCTORAL RESEARCH ASSOCIATE position is available at the University of New Mexico Health Sciences Center for a scientist to perform research in the area of human breast cancer and biochemical signaling by environmental agents in the laboratory of Dr. Scott W. Buescher, Pathology Programs, 1-109 or 505-277-6749. A Ph.D. in biochemistry, oncology, or a related area is required. Please refer to the regular position announcement described above and apply by March 15, 1995, to: Human Resources, UNM Health Sciences Center, Medical Building 2, Room 101, Albuquerque, NM 87131.

Resumes must list employment dates by months/year and be accompanied by a cover letter with original signature. Equal Opportunity and Affirmative Action Employer.

POSTDOCTORAL FELLOW position available to investigate molecular mechanisms of HIV assembly and a regulatory gene function. Experience in molecular biology and protein biochemistry is required. Send curriculum vitae and names of three references to: Dr. Aaron Aaron Diamond AIDS Research Center, 455 First Avenue, New York, NY 10016.

POSTDOCTORAL and NRC FELLOWSHIPS for Molecular Immunologists. Phagoid display libraries of Fab peptides will be used to develop reusable immunosensors for detection of toxicants or drugs in environmental samples or bodily fluids. The successful candidate should possess skills in molecular cloning, animal handling, and peptide synthesis. Please address your application and curriculum vitae to: Dr. Mohyee Eldefrawi (410-706-8012) or call University of Maryland School of Medicine at (410-706-8564).

POSTDOCTORAL FELLOWSHIP in Academia/industry. Two year fellowship available immediately to work on projects in the Department of Pathology, University of Vermont College of Medicine, and investigators at Weth Averett, Drug Safety Evaluation Research Institute, No York, across Lake Champlain. Applicants, preferably with training in toxicology or free radical chemistry and biology, will be working in our state-of-art Cell Imaging Facility featuring confocal and electron microscopy. Competitive salary. Send letter of application, curriculum vitae, and three letters of recommendation to: Dr. Brooke Mossman, Department of Pathology, South Building, University of Vermont College of Medicine, Burlington, VT 05405. FAX: 802-656-8892; Telephone: 802-656-8400. The University of Vermont is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIP—Available immediately. Investigators of Atherosclerosis Program (Dr. Trudy Forte, Ronald Krauss, and Edward Ruben) are seeking outstanding candidates to develop and study transgenic mice expressing human genes important in atherogenesis. Projects include (1) structure/metabolism of human apolipoprotein B containing lipoproteins in transgenic mice and (2) HDL structure/metabolism in mice expressing apo AI. Must be permanent resident. Send curriculum vitae and name, address and telephone number of three references to: Ms. Gail Mosley, Administrative Assistant, Life Sciences Division, E and 48, 401 W. 2nd Street, Minneapolis, MN 55455. The University of Minnesota is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW—Postdoctoral position beginning July 1995 to study the molecular mechanisms of lung development. This project focuses on the identification and characterization of developmentally regulated genes in the lung. Experience in molecular biology is required. Please forward curriculum vitae, reprints and three references to: Dr. Kevin Weiss, Department of Pediatrics, 212-950 West 28th Avenue, Vancouver, B.C., V5Z 4H4 Canada. Telephone: 604-875-2442; FAX: 604-875-3106. The University of British Columbia is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL FELLOWSHIP A POSTDOCTORAL FELLOWSHIP is available to study a new approach to the taxonomic classification of the order of the exobiology. The applicant will focus on the role of Ra and MAP kinases, NF-B and apoptosis in normal and in tumor cells. Please send curriculum vitae to: Dr. Ada van der Molen, Department of Biology, 5-176, University of Richmond, Richmond, VA 23173. Applications should be submitted to: Dr. Richard Kolesnick, Memorial Sloan Kettering Cancer Center—Box 280, 1275 York Avenue, New York, NY 10021. Memorial Sloan Kettering Cancer Center is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

NORTH CAROLINA STATE UNIVERSITY GRADUATE STUDENT ASSISTANSISHIPS

Two graduate student assistantships ($14,000 per year) leading to the Ph.D. degree in Botany, Genetics or Crop Science are available to conduct research on isolation and characterization of genes involved in biosynthesis of a beneficial metabolite (DIMBOA) in maize. Positions are available summer session 1995 for students having a Master's degree or equivalent experience in plant molecular biology. Please send curriculum vitae to: Dr. Richard Sealy, 1104 Plant Sciences Building, Box 7612, North Carolina State University, Raleigh, NC 27695. FAX: 919-515-3436; Email: joyce@ncsu.edu (attention: Chilton). An Equal Opportunity/Affirmative Action Employer.

RESEARCH SCIENTIST M.D./Ph.D. to study an ongoing neuroscience project involving calcium, intracellular recording or imaging, and calcium imaging. Send curriculum vitae, a letter describing your background and interests and three letters of recommendation to: Dr. David H. Feldman, Department of Neurology, Duke University Medical Center, Box 06, SUNY Health Science Center, 450 Clarkson Avenue, Brooklyn, NY 11203. An Equal Opportunity/Affirmative Action Employer.

VEGETABLE CROPS POSTHARVEST HORTICULTURIST

Assistant Cooperative Extension Specialist and Vegeta- ble Crops Postharvest Horticulturist. This position is located in South Carolina and is responsible for a year-round program in the South Carolina Piedmont. This position is responsible for developing and implementing research and extension programs in vegetable breeding and vegeta- ble storage, and for providing extension and educational programs in vegetable production, marketing and storage. This position is 50% research and 50% extension. Competitive salary and benefits are available. Apply to: Dr. Marita Cantwell, Search Committee Chair, Department of Vegetable Crops, University of California, Davis, CA 95616-8631. Telephone: 916-522-7335 or 752-1740; FAX: 808-530-2659; E-mail: mcantwell@ucdavis.edu. Open until filled, but to assure consideration, apply by March 15, 1995. The University of California is an Affirmative Action/Equal Opportunity Employer.

VETERINARY PATHOLOGIST

The Oregon Regional Primate Research Center (ORPRC) has a core STAFF POSITION available May 1995. The successful applicant will have a Ph.D. in veterinary pathology, and must hold a D.V.M. or equivalent degree, be certified or eligible for certification by the American College of Veterinary Pathologists, and have experience with the pathology of nonhuman primates. Primary duties include responsibility for diagnostic pathology service, supervision of pathology and histology laboratory support, and other responsibilities as determined by the Center’s research staff on matters pertaining to pathology. An individual with experience and interest in participating in collaborative research on lentinus immunopathogenesis is highly desirable. Joint academic opportunities are available at the nearby Oregon Health Sciences University. Appointment level and salary are commensurate with qualifications. Applicants should submit a resume, letter of interest, and the names of three references to: Dr. Richard L. Stouffer, Chairman, Veterinary Pathology, Oregon Regional Primate Research Center, 505 NW 185th Avenue, Beaverton, OR 97006. Applications will be accepted until a suitable candidate is identified. The ORPRC is an Equal Opportunity/Affirmative Action Employer.

The Nature Conservancy seeks a LANDSCAPE ECOLOGIST with an advanced degree (Ph.D. preferred) and three years of working experience in the field in Minnesota, Minnesota office. The Landscape Ecologist works with Conservancy staff nationally and internationally to utilize the principles of landscape ecology in the design and management of individual nature preserves and systems of preserves. This position brings expertise in landscape ecology to the Conservancy’s stewardship program, conservation planning, and issues of site design and ecological modeling and provides consultation and training in landscape-scale ecological processes, patterns and dynamics. This is a two-year position with potential for extension. To apply, send letter and curriculum vitae to: Steven C. Buttrick, The Nature Conservancy, Eastern Regional Office, 201 Devonshire Street, 5th Floor, Boston, MA 02110-1402.

ASSOCIATE RESEARCH SCIENTIST: Position available for highly motivated M.D. or Ph.D. to work in the Division of Gastroenterology and Hepatology. Send letter of reference to: Beth Levine, M.D., Director of Virology Research, Department of Medicine, HHSC 1306, Columbia University College of Physicians and Surgeons, 701 West 168th Street, New York, NY 10032. Columbia University takes affirmative action to ensure equal opportunity. Women and minorities are particularly encour- aged to apply.
Imagine The Possibilities

At Berlex, we've built our reputation on FDA-approved product successes and a proven track record in the pharmaceutical industry. Currently, we are seeking dedicated individuals to join our renowned San Francisco Bay Area team and advance our scientific mission in the following exciting areas.

ASSOCIATE SCIENTIST
As part of our Molecular Pharmacology team, you will be involved in developing, automating, and implementing high-capacity screening (HCS) assays. Along with a BS/MS degree in biological science or a relevant field, you will need 3-5 years' industrial experience using lab automation systems and robotic technologies. Familiarity with PC/Mac applications and excellent interpersonal skills are also required. Dept. B94-047.

ASSOCIATE SCIENTIST
As a member of our Discovery Research Program, you will help develop new drug discovery technologies that will help solve serious medical problems. Along with a BS/MS degree in biology or biochemistry, you will need at least 4 years of laboratory experience in molecular biology or a biochemistry role. You must also be able to design and interpret experiments and should have a genuine interest in learning the latest techniques in molecular biology, cell biology, and biochemistry. Familiarity with PC or Mac applications would be helpful. Dept. B94-048.

As a US subsidiary of an international Fortune 500 company, Berlex is proud to offer competitive salaries and a generous benefits package. To apply, send your resume, referencing the dept. number corresponding with the position of your interest, to: BERLEX, HUMAN RESOURCES EMPLOYMENT, 15049 SAN PABLO AVE., RICHMOND, CA 94804-0099. Principals only, please. EOE.

U.S. DEPARTMENT OF ENERGY
ASSOCIATE DIRECTOR FOR BASIC ENERGY SCIENCES
OFFICE OF ENERGY RESEARCH
$96,830 to $120,594 per annum

The U.S. Department of Energy (DOE) is seeking applicants for the Senior Executive Service position of Associate Director (AD) for Basic Energy Sciences (BES). This position will lead the basic energy scientific and technical programs of the Department, and will be the principal official responsible for development, implementation and direction of DOE's BES multidisciplinary research programs. This program encompasses 11 R&D National Laboratories, universities, and private institutions involving over 1000 grants, contracts, and interagency agreements, with a budget in excess of $600 million. This program includes the planning, construction, operation, and closure of major user facilities, such as neutron and synchrotron light sources. This person is responsible for the development, administration and management of strategies and research projects which will enable major advances in energy conservation, conversion and use, and related environmental protection by improving the understanding of known phenomena and discovering new phenomena and concepts in the physical sciences, earth sciences, and engineering sciences. The incumbent provides the main focus for DOE's facilitation of close collaboration between National Laboratory programs and universities and collaboration with industry to develop new materials, processes, instruments, and techniques useful in energy technologies, and coordinating activities with DOE's other technical and applied programs. The AD for BES reports directly to the Director of Energy Research.

Exceptional difficulty in recruiting highly qualified candidates may be the basis for paying a recruitment or relocation bonus (up to 25% of base pay), requesting approval of a dual compensation waiver for civil and uniformed service retirees, or utilization of critical personnel authority (annual salary may be set up to $133,600 per annum, the rate payable for Level II of the executive pay schedule).

Applications must be postmarked no later than February 17, 1995. Direct inquiries to: Office of Executive and Technical Resources, HR-34, 4E-080/PORS, DOE, Washington, DC 20585. DOE is an equal opportunity employer. U.S. citizenship is required.
ASSISTANT ENTOMOLOGIST/Assistant Extention Entomologist: Urban Entomologist, Department of Entomology, University of California, Riverside, California. Ph.D. degree preferred; 60% research, 40% extension. Research and extension responsibilities on arthropods pests of structural, industrial, and other urban environments. Research and extension will focus on one or more of the following areas: termite biology and control, stored product insects, wood-boring insects, and stored product insects. Applicants should have a Ph.D. in Entomology or relevant field. The position requires knowledge of basic biology, phylogeny, and entomology. Applicants should have a Ph.D. in Entomology or relevant area. The position is open until filled. Send resume and three letters of recommendations to: Robert Klack, 1200 Main Street, Kansas City, MO 64105-2118.

Senior Scientist/Immunogenetics Histocompatibility:
DataGenetics, a DNA laboratory, contracts with agencies which require tissue typing. The position involves direction of data production and interpretation, client liaison, and project design. Applicants should have a Ph.D. in immunogenetics and a minimum of 10 years of experience. The candidate must be familiar with all functions of a clinical histocompatibility laboratory. Send resume to: DataGenetics Corporation, Human Resource, 1933 Davis Street, Suite 207, San Leandro, CA 94577 (Principals only). An Equal Opportunity Employer.

Acquisitions Editor—Chemistry and/or related discipline. John Wiley & Sons, Inc., a prestigious international publisher, seeks an experienced Acquisitions Editor for its Chemistry program. You will be responsible for product acquisition, development and implementation of the strategic plan and sales/marketing management for the program. Duties include: direct acquisition of text chapters, book manuscripts, and product concepts; exposure to sensitive product development activities. Required qualifications: Ph.D. in a related field; 2-3 years experience in chemistry and/or related fields; excellent oral and written communication skills; exceptional attention to detail; ability to use a variety of computer software packages. An Equal Opportunity Employer.

PH.D. MOLECULAR BIOLIGIST:
Advanced protein research tools with "biological intuition" software, will soon be ready for further development in world class laboratories. These powerful tools promise to revolutionize the conduct of biology and gene research worldwide. We seek a project/product manager to assure these remarkable tools speak the language and methodology of the molecular biologist. Position requires an undergraduate and postgraduate education enhanced by significant stock options. Reply to: Hackett Associates, Post Office Box 1765, Los Altos, CA 94023. Fax: 415-941-8811.

Physical Pharmacological RESEARCH SCIENTIST: for pharmaceutical development in southwest Ohio. Analyze on paper, chemical structures for likely decomposition mechanisms and expressed formation issues (chemical stability, aqueous solubility and TGA). May also be required to: Analyze formulation studies, utilizing HPLC; UV, UMR and IR spectroscopy; particle size analysis and Karl Fischer analysis, including physical and chemical characteristics of new drugs and dosage forms. Utilize thermal analysis (DSC, TGA) to identify existence of morphological changes. Develop new or modified HPLC analytical methods, isolate and/or identify degradation products and process impurities and perform mechanistic studies. Characterize drug substance/excipient interactions to develop stable, bioavailable solid dose forms. Design and prepare intrave nous dosage forms. Work with key personnel and management in the formulation of new dosage forms. Send resume to: B. J. Davis, 1200 Main Street, Kansas City, MO 64105-2118.

SOCIETY FOR LITERATURE AND SCIENCE:
Call for Papers: 1995 Annual Meeting of the Society for Literature and Science. Place: Hyatt Regency/Radisson Bel Air Summer and Bretonwood Holiday Inn. Dates: Thursday, November 2 through Sunday, November 5, 1995. Conference Location: N. Katherine Hayles, UCLA. Send four copies of abstracts of 12-minute papers or proposals for sessions, roundtables, or panels, (along with name, address, Email, and numbers for telephone and fax) to: Jay Labinger, Beckman Institute, 139-74, Caliifornia Institute of Technology, Pasadena, CA 91125. Email: jlab@paradise.caltech.edu. Due date: February 15, 1995 (original deadline of February 1, 1995, has been changed).

RESEARCH GRANTS:
As part of its continuing efforts to encourage the utilization of the extensive array of resources of laboratory animals in basic research, testing and education, The Alternative Research and Development Foundation is soliciting proposals for research on alternatives to the use of laboratory animals in the testing of drugs, chemicals, and other substances. Awards up to $10,000 each are available to support individual projects at U.S. universities and research institutions. Special attention will be given to proposals which focus on the use of human tissues and/or the production of monoclonal antibodies through in vitro systems. Deadline for application is 30 April 1995, with recipients announced on 15 July 1995. Further information and application instructions contact (mail or Fax only): The ARDF, 801 Old York Road, No. 204, Jenkintown, PA 19046-1685. Fax: 610-887-2080.

DOCTORAL PROGRAM IN MOLECULAR AND CELLULAR BIOLOGY AND PATHOLOGY:
Interdisciplinary program in fundamental molecular and cellular biology and its application to disease. Competitive stipends available. Contact: Director, MCMP Program, College of Graduate Studies, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425-2501.

MEDICAL UNIVERSITY OF SOUTH CAROLINA offers programs leading to Ph.D. and M.D./Ph.D. degrees in each of the basic Biomedical Sciences (Biochemistry, Microbiology/Immunology, Pathology, Pharmacology, Physiology), Biometry/Epidepiology, Pharmaceutical Sciences, and Molecular and Cellular Biology. Competitive stipends of $15,000 available. Contact: College of Graduate Studies, MUSC, 171 Ashley Avenue, Charleston, SC 29425-2501.

Evaluation of Butadiene and Isoprene Health Risks. 27-29 June 1995—Annals at Semi-Ath-Moo, Blaine, Washington. A three-day symposium sponsored by the I.C.T.VII on Butadiene and Isoprene Issues: Metabolism and Pharmacokinetics; Biological Effects; Epidemiology; and Assessment. Co-sponsored by ECETOC; EPA; CMA; ECETOC; EAEP; IARC; ISPR; IPCS; NIEHS; and SOT. Inquiries to: Dr. J. Ludwig, Symposium Coordinator, Janssen International, Institute Of Synthetic Rubber Producers, 2707 South Gessner, Suite 133, Houston, TX 77063. Telephone: 713-783-7511, ext. 255; FAX: 713-783-7253.

DOCTORAL PROGRAM IN MOLECULAR AND CELLULAR BIOLOGY AND PATHOLOGY:
Interdisciplinary program in fundamental molecular and cellular biology and its application to disease. Competitive stipends available. Contact: Director, MCMP Program, College of Graduate Studies, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425-2501.

COURSES AND TRAINING:
GRADUATE TRAINING IN VIRAL ONCOLOGY AND IMMUNOLOGY:
Stipends are available for students pursuing a Ph.D. in an integrated program in molecular oncology and immunology beginning September 1995. The program is a joint team effort of participating faculty. The program's research activities focus on molecular mechanisms of tumorgenesis including oncogenes and tumor suppressors, repair of DNA damage, signal transduction and growth control, as well as molecular, cellular, and tumor immunology. Students will be supported by an NIH programmatic training grant, requiring U.S. citizenship, or resident status. We strongly encourage applications from minority students. Limited funding is available to international students. Information and application forms are available from: Dr. R. B. Carroll, Graduate Student Advisor, Department of Pathology, New York University Medical School, 550 First Avenue, New York, NY 10016.

INTERNATIONAL SYMPOSIUM:
Evaluation of Butadiene and Isoprene Health Risks. 27-29 June 1995—Annals at Semi-Ath-Moo, Blaine, Washington. A three-day symposium sponsored by the I.C.T.VII on Butadiene and Isoprene Issues: Metabolism and Pharmacokinetics; Biological Effects; Epidemiology; and Assessment. Co-sponsored by ECETOC; EPA; CMA; ECETOC; EAEP; IARC; ISPR; IPCS; NIEHS; and SOT. Inquiries to: Dr. J. Ludwig, Symposium Coordinator, Janssen International, Institute Of Synthetic Rubber Producers, 2707 South Gessner, Suite 133, Houston, TX 77063. Telephone: 713-783-7511, ext. 255; FAX: 713-783-7253.
Public Health Service  
National Institutes of Health  
Baltimore, Maryland  

A Senior Executive Service Vacancy  
Scientific Director  
National Institute on Aging  

THE POSITION: Scientific Director of the National Institute on Aging (NIA), one of the world's largest and most comprehensive institutions in aging research. NIA conducts, fosters, and supports biomedical, social, and behavioral research and training pertaining to aging processes and common problems of older people. The Scientific Director serves as the principal advisor to the Director of the NIA concerning all ongoing and projected intramural research programs of the NIA and is fully responsible in the development of broad decisions concerning program planning, budget and policy formulation and research allocation of the intramural program.

THE CHALLENGE: Leadership in the overall scientific management of an innovative research program in the field of aging with a budget of $37 million and a staff of over 300. NIA is currently pursuing cutting edge research on the cellular and molecular biology of aging and of pathologic conditions common to aging, including Alzheimer's and cardiovascular disease, as well as a broad range of biological and behavioral research related to the aging process.

THE IDEAL CANDIDATE: Demonstrated scientific leadership and research experience in a basic and clinical research program of national and international standing in an area relevant to aging research. M.D. or Ph.D., or comparable experience and training in one of the biological, behavioral, and/or biomedical sciences.

SALARY RANGE: This is a Civil Service position in the Senior Executive Service (SES), with a salary ranging from an ES-1 to ES-6 level per annum (currently $86,830 to $120,594), plus a Physician's Comparability Allowance up to $20,000 per year. A recruitment bonus of up to 25 percent of base pay may be available to a non-Federal candidate, subject to individual approval; a relocation bonus of up to 25% of base pay may be available to permanent federal employee who must relocate, subject to individual approval.

HOW TO APPLY: An application accompanied by a current curriculum vitae and bibliography should be submitted to:

National Institute on Aging  
Gerontology Research Center  
ATTN: Personnel Office, Room 1D09  
4940 Eastern Avenue  
Baltimore, Maryland 21224-2735

Applications must be postmarked by March 1, 1995 and received by close of business March 6, 1995.

For further information contact Ms. Karen L. Maben in the NIA Personnel Office at (410) 558-8116.

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, sexual orientation, or membership or non-membership in an employee organization. Please note that this has been designated as a Federal Equal Opportunity Recruitment Program position.

NIH is an Equal Opportunity Employer

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The National Institute of Environmental Health Sciences (NIEHS) invites nominations and applications for the position of Director, Environmental Toxicology Program (ETP), Division of Intramural Research (DIR). The incumbent of this position is responsible for a broad toxicology program designed to evaluate the biological effects of environmental agents. The ETP also serves as a major operating component of the DHHS' National Toxicology Program (NTP). The ETP is composed of approximately 75 employees and a budget of $50 million. The ETP's studies conducted intramurally and through contract include: (1) toxicology and carcinogenesis studies to establish and characterize the toxicity of chemicals and other environmental agents; (2) research to update and improve approaches for characterizing toxicity of chemicals and other agents; (3) research on mechanisms related to chemical-induced toxicity or issues of broad importance in toxicology; and (4) development of innovative approaches for use in risk assessment. The incumbent's responsibilities also include interactions with other government agencies and the scientific community at large as well as the public. In addition, as the Associate Director for NTP, the incumbent works with the Director, NIEHS, and other DIR/NIEHS personnel to manage the remaining $26 million of NIEHS' contribution to the National Toxicology Program.

This is a Civil Service position in the Senior Executive Service. The salary range is ES-1 to ES-5, currently $95,771 to $115,255 (includes a locality pay of 3.09%) per annum. The person selected may be eligible for Physician's Comparability pay up to $20,000 per year. A recruitment bonus of up to 25% of base pay may be available to a non-Federal selectee for this position, subject to individual approval. A relocation bonus of up to 25% of base pay may be available to a permanent Federal employee who must relocate to accept this position, subject to individual approval. (Alternatively, applicants may be eligible for appointment in the Commissioned Corps of the U.S. Public Health Service.) The SES individual selected, if not presently in the Senior Executive Service, must serve a one year probationary period.

Applicants must meet the minimum educational requirements (or possess equivalent combination of experience and training) for Toxicologist, GS-415, as defined by the U.S. Office of Personnel Management Qualification Standards Handbook for General Schedule Positions available in Federal Personnel Offices and Federal Job Information Centers. Further information about the position may be obtained by contacting Ms. Norma Daye at 919-541-7513. An Application and/or current curriculum vitae and bibliography and Executive Qualification narrative should be submitted to:

Ms. Norma L. Daye (Code: HNV98), Personnel Management Specialist  
National Institute of Environmental Health Sciences  
P. O. Box 12233, Research Triangle Park, NC 27709

Applications must be postmarked by March 17, 1995.

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

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CAREER CONNECTION, the nation's leader in Industry Specific Job Fairs, succeeds in creating an environment and service of bringing qualified prescreened candidates in contact with companies actively seeking employees. Our program offers companies effective and efficient opportunities to interview qualified candidates. Our Job Fairs bring companies into direct contact with experienced candidates in: Biotechnical and Pharmaceutical Research & Development, Manufacturing, Production, Process Development, Quality Control/Quality Assurance, Device Development, Clinical Research, and Regulatory Affairs.

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March 10th & 11th

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March 24th & 25th

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April 28th & 29th

San Francisco, California
June 23rd & 24th

Research Triangle Park, N.C.
July 14th & 15th

La Jolla/San Diego, California
September 22nd & 23rd

MIT/Cambridge, Mass.
September 29th & 30th

San Francisco, California
October 20th & 21st

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Leonardo da Vinci (c. 1510)

Candidates should fax or send their resume to Career Connection indicating geographic preferences.
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THE SEARCH out ASSOCIATE for Research is responsible for research policy and planning; administration of organized research units; administration of externally funded research, training, and public service grants and contracts; the Office of Technology Transfer Services; industrial relations; human subjects review boards and committees responsible for oversight of various compliance areas; the University's technology business incubator facility, and central instrumentation facilities. In addition, this office shares responsibility for economic development and federal relations.

THE ASSOCIATE VICE PRESIDENT will be a key participant in policy formulation and in setting future directions for research at UB. Working with faculty, deans, senior administrators, and the UB Foundation, the successful candidate will provide leadership in developing and organizing collaborative and consortial research initiatives, assist in identifying and securing funding for such initiatives, and help advance research and public service programs that enhance the region's and the state's economic development and quality of life. Other responsibilities include administration of organized research units, institutional grants programs, and administration of core research and research support facilities.

QUALIFIED CANDIDATES will have experience at a university or research organization as an independent investigator, a record of research accomplishment, demonstrated success in securing research funding, strong administrative and leadership abilities, experience with and knowledge of relevant government funding agencies, high ethical standards and a commitment to excellence.

THE UNIVERSITY AT BUFFALO, a member of the Association of American Universities, is a major public research university with more than 25,000 students, over 100 post-baccalaureate degree programs, 6,000 faculty and staff, and an annual volume of externally sponsored research and training exceeding $120 million. Located in Western New York, Buffalo is a dynamic community with affordable housing, excellent schools, and a rich cultural climate.

The search is being assisted by Dr. Ira Krinsky of Korn/Ferry International (310) 843-4128.

APPLICATIONS AND NOMINATIONS will be accepted for this position, with application materials due to the search committee by January 27, 1995. The search committee is composed of representatives from the faculty, and representatives from the Campus Community. Applications and nominations should be sent to the Search Committee Chair, Search Committee for Associate Vice President for Sponsored Research, University at Buffalo, 510 Capen Hall, Buffalo, NY 14260-1611.

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Protein Analysis

Working in our Protein Analysis Laboratories, you will be part of a professional team exploring newly evolving analytical technologies and evaluating new analytical methods for protein pharmaceuticals. To qualify, you will need to be an independent self-starter with a PhD in Biochemistry or Analytical Chemistry. Experience in protein chemistry, analysis of protein and peptides, biocromatography and electrophoresis is desirable. Excellent communication and interpersonal skills along with a commitment to teamwork are essential.

We offer an excellent compensation package including a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume with salary requirements to: Human Resources, Schering-Plough Research Institute, 205 Galloping Hill Road, Kenilworth, NJ 07033-0539. We are an equal opportunity employer. We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.

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Cell and Molecular Biology
Postdoctoral Positions

Postdoctoral positions are available at the Worcester Foundation for Experimental Biology to study cellular and molecular aspects of development. These positions are supported by an NIH Training Grant and individual investigator awards. The faculty and their research interests are:

JUSTIN FALLON: Molecular biology of synapse formation.

HARVEY FLORMAN: Signal transduction during fertilization.

F. ROB JACKSON: Molecular genetic analysis of circadian rhythms and other neural functions in Drosophila.

MICHELE JACOB: Regulation of neuronal synapse formation.

DANIEL KILPATRICK: Cell-specific transcriptional regulation during differentiation of spermatogenic and somatic cells.

ELIZABETH LUNA: Structure and regulation of cytoskeleton-membrane attachment.

CLARE O'CONNOR: Regulation of protein stability during gene expression.

THOMAS PEDERSON: Molecular and cellular biology of gene expression, with emphasis on RNA-protein interactions and RNA processing.

JOEL RICHTER: Gene expression during early Xenopus and mouse development.

ALONZO ROSS: Nerve growth factor receptors and differentiation of neural tumors.

GREENFIELD SLUDE: Timing and molecular control of mitotic events during early development.

RICHARD VALLEE: The role of microtubule motors in mitosis and organelle transport; the role of GTPases in receptor-mediated endocytosis.

YU-LI WANG: Assembly and dynamics of actin and myosin in living cells.

GEORGE WITMAN: Molecular basis for flagellar movement; sensory transduction in Chlamydomonas; control of sperm maturation and capacitation.

DAVID WOLF: Structure, function, and dynamics of nerve growth factor receptor.

PAUL ZAMECNIK: Synthesis of modified oligonucleotides for chemotherapy.
MANAGER/DIRECTOR BIOENGINEERING PROCESS DEVELOPMENT

Energy BioSystems Corporation (EBC) is a well-financed biotechnology company located in The Woodlands, Texas, about 20 miles north of Houston. EBC is committed to developing new biotechnology-based process technologies for the fossil fuel industry. Most of the company’s efforts over the past 3 years have been devoted to the characterization of the molecular biology and fundamental engineering aspects of a novel process to remove sulfur from fossil fuels using bacteria-based systems. This is a unique and revolutionary technology which the company believes will be the first of several “biorefining” technologies we will offer to the fossil fuel industry.

In 1994, EBC’s R&D groups completed construction of a large scale (20-200 gal per day) pilot plant of its Biocatalytic Desulfurization (BDS) process in order to test the process at a larger scale and develop the design basis for the first commercial unit. EBC is now looking for a biochemical engineer specializing in process development to take a leadership role in the transition of this technology from the bench into the field and to help the company complete the task of turning this technology into a viable commercial process.

DUTIES

This position involves both technical and managerial leadership, combined with the “hands on” attitude you would expect of a 65 person biotechnology company. In particular, the duties will include:

Lead a Process Development effort (group of 8-10) to complete the development and scale up of a process for the microbially catalyzed desulfurization of petroleum refinery streams.

Responsible for:


Continuous development of process in response to ongoing biochemical and genetic research.

Integration of the process development effort into a fast-paced R&D program.

Operation of a $1.5 million experimental pilot facility.

- Oversee experimental program.
- Analyze and interpret data.
- Communicate with senior management.
- Develop design basis for first commercial unit.

REQUIREMENTS

The ideal candidate will have the following credentials:

1. Ph.D. in Biochemical Engineering or related discipline combined with relevant experience.

2. 10+ years post doctoral experience, of which a large portion should be in industry.

3. Demonstrated experience with and publications relating to:
   - Microbial pathway engineering
   - Separations technology
   - Reactor design
   - Pilot Plant operation
   - Reaction modeling
   - Cell/Enzyme immobilization

4. Managerial experience in both experimental science and Pilot Plant operation.

5. Team oriented approach, ability to meaningfully interact with fermentation, biochemical, and genetic research groups and senior management.

6. Experience in 2 phase biotransformations or petroleum systems a strong plus.

7. Excellent verbal and written skills. Plays well with others. Organized and efficient worker.

8. Demonstrated leadership skills.

This position will report to the Vice President of Research and Development of the company and will have to interact with all other senior managers, EBC partners and our strategic corporate allies.

Send resume in confidence to:

Manager, Human Resources
Energy BioSystems Corporation
4200 Research Forest Drive
The Woodlands, TX 77381

EOE No Phone Calls

GLOBAL CAREER OPPORTUNITIES

ETH Zürich, Institute of Plant Sciences/ Applied Entomology

Research Associate (Oberassistent/in) in Applied Entomology

We are seeking a creative and cooperative scientist with strong expertise and post-doctoral experience in population dynamics of insect herbivores in agroecosystems.

Responsibilities include (1) research together with undergraduate and graduate students on population dynamics including qualitative as well as quantitative field and laboratory studies, with special emphasis on insect dispersal and herbivore/plant interactions, (2) participation in teaching and administration.

Send curriculum vitae, three publications and three references to: Prof. Dr. Silvia Dorn, Institute of Plant Sciences, Applied Entomology, ETH Zentrum, Clausiusstr. 25, CH-8092 Zürich.

The George Washington University

The Department of Biological Sciences of the Columbian College and Graduate School of Arts and Sciences invites applications for the position of:

RUTH WEINTRAUB RESEARCH PROFESSOR OF BIOLOGICAL SCIENCES

This tenure-track position will be filled at the Assistant Professor level by a scientist using phylogenetic systematic methods and terrestrial arthropods to investigate questions in evolutionary biology.

Candidates with postdoctoral experience and an expertise in co-evolution, behavior, or historical ecology will be preferred. The successful candidate should be prepared to develop a funded research program involving graduate and undergraduate students. In addition to training students in research, the Ruth Weintraub Research Professor will offer one or two courses in their field per year. Substantial start-up funds are available. The starting date for the position will be Sept. 1, 1995.

Please send a letter of application describing research goals for the next five years and teaching interests, a curriculum vitae and three letters of reference to:

Diana Lipscomb, Chair of Search Committee
Department of Biological Sciences
307 Lisner Hall
The George Washington University
Washington, DC 20052

Review of applications will begin on Feb. 1, 1995 and will continue until the job is filled.

The George Washington University is an Equal Opportunity, Affirmative Action Employer. Applications from women and minorities are strongly encouraged.
Applications are invited from suitably qualified scientists for the post of

SCIENTIFIC HEAD

of the Edward Jenner Institute for Vaccine Research

The Edward Jenner Institute has been recently established by the Office of Science & Technology, MRC, BBSRC, Department of Health and Glaxo, as an independent research institute. The Institute is dedicated to research aimed at the understanding of the immune responses against infectious organisms or tumour cells, and in particular how beneficial protective responses may be induced by vaccination. The Institute will also carry out research to develop new models of infectious or malignant disease in which efficacy of potential vaccines may be predicted, and to devise improved formulations and adjuvants for the presentation of antigens to the immune system.

The Scientific Head will report to the Board of Management of the Institute, and will play a key role with the Board and its Scientific Advisory Committee in the determination of the Institute's research strategies and scientific programmes. The Head will be responsible for the implementation and management of the research programmes of the Institute and for its day to day operation. He/she will play an important role in establishing the Institute's facilities, to be built at the Institute for Animal Health, Compton, Berkshire, UK, and for recruitment of the core staff of up to 30 scientists and technologists.

It is anticipated that the Scientific Head will be a scientist of international standing in one or more of the fields of science of this Institute and will have significant experience of research management.

Further particulars about the Institute and this post and terms and conditions of this senior appointment may be obtained from: The Edward Jenner Institute for Vaccine Research, Steering Committee, c/o Lansdowne House, Berkeley Square, London W1X 6BQ. Applications should reach the Committee by 31st January 1995.

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**EUROPEAN COMMISSION**

The Commission is seeking highly qualified candidates (grade A2)

**COM/R/5546/94**

**DIRECTOR OF THE INSTITUTE FOR SYSTEMS ENGINEERING AND INFORMATION TECHNOLOGY (ISPRA)**

To organise, manage and coordinate the activities of the Institute at both a scientific and administrative level.

**These activities consist in particular of:**
- the activities relating to systemics and informatics in support to the JRC Institutes and to other Services of the Commission;
- in particular the activities defined at the first indent relating to environmental and safety problems in the framework of institutional research activities and institutional S & T support to be allocated on a competitive basis by Services of the Commission;
- the participation in Indirect Action Programmes relevant to the competence of the Institute;
- the performance of Third Party Work for outside private and public organisations.

Recognised scientific competence based also on recent research activities, achievements and publications; established capability to manage research units resulting from actual experience; comprehensive vision of a systemic approach to complex, multidisciplinary research themes, involvement in the formulation of informatics strategies; experience in the capture of research markets in the open marketplace.

**Nationality:** Candidates must be a national of one of the European Union's Member States.

Interested persons should send their applications with a detailed c.v. before 15/02/1995, to:

Joint Research Center, Unit "Human Resources", I-21020 Ispra (VA).

The Commission's policy is to ensure equal opportunities for men and women.
Research Centre Jülich, Germany

Clinical Research in Magnetic Resonance (MR): Functional Imaging/Spectroscopy and Magnetoencephalography (MEG)

The Institute of Medicine offers two positions for

**Postdoctoral Research Scientists**

-150-151/94 -

for studies on brain function and biochemistry. The Institute is currently expanding its PET and SPECT research programme on brain and heart functional imaging by establishing research programmes in MR Imaging/Spectroscopy and Magnetoencephalography. The MR research group will operate a state-of-the-art 1.5 T scanner with fast imaging capabilities. A state-of-the-art 2x37 channel MEG system has already been installed. Both groups will provide opportunities for clinical studies and for basic technology development. The integration of MR, PET, SPECT and MEG at the Institute of Medicine together with the diversity of other research activities at the Research Centre Jülich (KFA), ranging from biotechnology to materials research and nuclear research, provides a unique and stimulating environment for dedicated individuals.

Applicants for the MR research position should have an M.D. or Ph.D. and extensive experience with NMR techniques for the assessment of the central nervous system. A strong background in one or more of the following fields is advantageous: computer science, mathematics, neurology, radiology, pharmacology, physics or radio frequency engineering.

Applicants for the MEG research position should have a Ph.D. or M.D. and a strong biomedical background. MEG experience is advantageous.

The KFA aims to increase the proportion of female staff and therefore particularly invites applications from women with appropriate qualifications.

Salary and social security benefits are based on the provisions of the Federal Employees Collective Salary Agreement (BAT).

Send curriculum vitae, experience profile and research interests, and names of three references to:

**FORSCHUNGSZENTRUM JÜLICH GmbH**

Personal-und Verwaltungabteilung

- Personalbetreuung -

D-52425 Jülich

Germany

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**PLANT BREEDER**

The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) is a nonprofit, autonomous, scientific research and training institute with regional centers and teams in Asia and Africa. We are seeking a Groundnut Breeder for our Genetic Enhancement Division in Malawi. The appointee will be expected to provide research leadership in plant breeding. Research thrusts will include development of medium and long-duration enhanced germplasm adapted to rainfed production systems with resistance/tolerance to rosette virus, foliar diseases, particularly early leaf spot, and drought. This research will be carried out in close collaboration with ICRISAT scientists at other locations and the National Agricultural Research Systems in southern and eastern Africa region.

Applicants should have a Ph.D degree, or equivalent, in genetics and plant breeding, and evidence of active sustained research in crop improvement. Proficiency in oral and written English, knowledge of experimental design and analysis and use of microcomputers is essential. Experience with crop breeding in a multi-disciplinary team would be an advantage. Knowledge and familiarity with the use of molecular marker techniques in plant breeding is desirable.

ICRISAT is an equal opportunity employer, and is especially interested in increasing the participation of women on its staff. ICRISAT is responsive to the needs of dual career couples. A Fact Sheet on employment possibilities for spouses is available on request. ICRISAT has a flexible approach to international appointments and welcomes enquiries from persons interested in working at ICRISAT while on secondment. An internationally competitive salary and benefits package will be provided.

Applications should reach the Chair of the Search Committee, Dr. L. K. Mughogho, ICRISAT, Matopos Research Station, PO Box 776, Bulawayo, Zimbabwe [phone: +263 83 8311 to 8314, fax: 4263 83 8253 or 262 9 41652] by 18 March 1995. The application should include current Curriculum Vitae, the names and addresses (including fax/tele/ email) of three referees, the date of availability, and a statement on the special qualifications of the candidate for this position.
The R.W. Johnson Pharmaceutical Research Institute-Sydney is accepting applications for a Scientist or Postdoctoral Fellow position. Johnson & Johnson have established a new research program at Rushcutters Bay near the centre of Sydney and are planning to relocate to new laboratories in Sydney in 1995. 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 R.W. Johnson Pharmaceutical Research Institute-Sydney research program focuses on genetic and cellular strategies for the treatment of human disease and is composed of several interacting teams addressing therapeutic gene designs, model test systems, mammalian target cells and disease states. The successful candidate will be involved in studies on exogenous gene expression in cells of the immune system.

This Scientist/Postdoctoral Fellow position requires a PhD or MD degree, a strong background in cell and/or molecular biology, particularly in immunology, a record of accomplishment, and a commitment to gene manipulation and cell therapy. Experience in the use and manipulation of retroviruses would also be an asset. The Institute has an interdisciplinary basic and applied research program where scientific productivity including publication is the major priority. R.W. Johnson Pharmaceutical Research Institute-Sydney offers attractive remuneration packages, a stimulating research environment, and significant opportunities for professional development. Enquiries regarding the position should be made to Dr Geoff Symonds, telephone 61 2 360 9377. All applications will be held in confidence and should be sent by February 17 with names, addresses, and contact numbers of three referees to Dr Wayne Gerlach, Director R.W. Johnson Pharmaceutical Research Institute-Sydney GPO Box 3331, Sydney NSW 2001, Australia

Faculty of Science

Applications are invited for the position of Dean of the Faculty of Science which becomes vacant on 1 June, 1995. It is hoped that the new Dean will take up duty on or soon after that date.

The faculty has a total enrolment of approximately 4,000 students and a staff of 450 (250 academic, 200 general) on four campuses. It comprises seven departments—Chemistry, Ecology and Evolutionary Biology, Earth Sciences, Genetics and Developmental Biology, Mathematics, Physics and Psychology. These have strong teaching and research links with other departments within the university and with outside organisations. Further, there is a School of Applied Science on the Gippsland Campus and a School of Arts and Science on the Peninsula campus (Frankston), the latter jointly with the Faculty of Arts.

The Dean is responsible to the Vice-Chancellor and provides educational and administrative leadership for the faculty. As a consequence of a recent review of the faculty, which has been accepted by the Vice-Chancellor, the new Dean has a mandate to effect whatever changes are necessary to revitalise the academic programs of the faculty. The Dean also participates in the overall management of the university as a member of the Committee of Deans. The successful candidate will be a scholar of standing who has a high level of managerial competence and capacity for academic leadership. The person will have qualities to be able to promote both the faculty within the university and the university in the community at large.

The successful applicant will be appointed as a professor within the university. The appointment will be initially for five years, with provision after review, for a further five year term, or, transfer to a chair within the faculty.

Salary: $A115,000 per annum. Superannuation, travel and removal allowance, and temporary housing assistance are available. A fully maintained vehicle is provided.

Further information of an academic nature may be obtained from the Dean, Faculty of Science, Professor J. W. Warren, Facsimile +61 3 905 5692.

Information on application procedures and further particulars may be obtained from the Assistant Personnel Manager (Senior Appointments), Monash University, Clayton, Victoria, 3168, Australia. Facsimile +61 3 905 6016.

Applications should reach the Director of Personnel Services, Monash University, Clayton campus not later than Friday, 24 February 1995.
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Quality DNA for $2.00 per base. Now you don't have to settle for second best to save a bunch. For more information, or to place an order, call Operon at 1-800-688-2248.

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Research Genetics is now producing nanomolar quantities of peptides already bound to a solid phase. This paper may be directly probed by antibodies, enzymes, etc. Once a suitable peptide is found, it can then be synthesized in larger quantities.

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Here is how it works. The researcher provides Research Genetics with the whole protein which is then injected into two rabbits. The protein is then calculated as a collection of ninety-six peptides and synthesized onto our peptide paper. The sera from the two rabbits is used to probe the membrane to determine which peptides of the ninety-six give the strongest response. This antigenic peptide, so designed by the rabbit's own immune response, is resynthesized as a linear peptide, conjugated to KLH, and then reinjected into the same animals. Finally, the sera is affinity purified by the linear peptide.

The result is that the researcher receives antisera raised against the native protein, by purified against the peptide. The problems encountered using whole protein for antibody production may be eliminated by careful selection of the peptides bound to the membrane. In short, monoclonal specificity for $3,500.

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