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1995-96
AAAS Fellowships for Scientists & Engineers

Congressional
AAAS Congressional Science & Engineering Fellows Program
Fellows spend one year on Capitol Hill working with Members of Congress or congressional committees as special assistants in legislative and policy areas requiring scientific and technical input. Two fellowships will be offered, with annual stipends of $40,000.

Technology Policy
AAAS-Critical Technologies Institute Science & Engineering Fellows Program
Fellows spend one or two years, working at the Critical Technologies Institute, providing expertise in industrial research and development, technology transfer, international competitiveness, and related issues. At least one Fellow will be selected. Applicants must have a minimum of five years industrial experience, as midlevel or senior executives. Stipends are negotiable, depending on qualifications and experience. Applicants must be U.S. citizens. An additional fellowship opportunity may be available at the White House Office of Science and Technology Policy.

Diplomacy
AAAS Science, Engineering, & Diplomacy Fellows Program
Fellows work in international affairs on scientific and technical subjects for one year, either in foreign policy at the U.S. Department of State or in international development for the U.S. Agency for International Development. One Fellow will be selected at State and approximately 12 Fellows will be selected at USAID. The annual stipend varies with experience, starting at approximately $43,000. Applicants must be U.S. citizens.

Environmental
AAAS-EPA Environmental Science & Engineering Fellows Program
Fellows work as special research consultants with the U.S. Environmental Protection Agency for 10 weeks in the summer. The detailed, future-oriented research assists EPA in assessing the significance of long-range environmental problems. The stipend is $950 a week. Applicants must be U.S. residents. Twelve Fellows will be selected.

Applicants should be postdoctoral to midcareer scientists and engineers, from any physical, biological, or social science or any field of engineering. The programs are designed to provide each Fellow with a unique public policy learning experience; to make practical contributions to the more effective use of scientific and technical knowledge in the U.S. government; and to demonstrate the value of science and technology in solving important societal problems. All Fellows participate in a rigorous orientation on the relevant congressional and executive branch operations and foreign affairs plus a year-long seminar series on issues involving science, technology, and public policy. The Congressional, Diplomacy, and Technology Policy programs begin in September 1995, and the Environmental program begins in June 1995.

All application deadlines are January 15, 1995.

For additional program information and application instructions, write:

Fellowship Programs/ Directorate for Science and Policy Programs
American Association for the Advancement of Science
1333 H Street, NW, Washington, DC 20005
202/326-6600 Fax: 202/289-4950
Internet: science_policy@aaas.org
FACULTY POSITIONS TULANE UNIVERSITY

As part of an ongoing environmental restoration and waste management research program, Tulane University School of Public Health and Tropical Medicine invites applications for several positions at the ASSISTANT or ASSOCIATE PROFESSOR Rank in the Department of Environmental Health Sciences. The positions are initially funded as research faculty appointments with possibility of conversion to tenure track positions. Research will be conducted in the new ENTERGY Spatial Analysis Research Laboratory, part of the Tulane Center for Bioenvironmental Research (TCBR). Applications will be accepted immediately:

(1) Risk Assessment/Risk Reduction;
(2) Exposure Assessment;
(3) Ecological Risk Assessment;
(4) Environmental/Resource Economics.

Applications should include a detailed research statement, a curriculum vitae, and three letters of reference to: Dr. William T. Toscano, Jr., Ph.D., Chair, Environmental Health Sciences Department, Tulane University School of Public Health and Tropical Medicine, SL-29, 1430 Tulane Avenue, New Orleans, LA 70112-2699.

Tulane University is an Equal Opportunity Employer.

FACULTY POSITION ATMOSPHERIC CHEMISTRY DUKE UNIVERSITY

Duke University's School of the Environment seeks applicants for a tenure-track ASSISTANT PROFESSOR in atmospheric chemistry. The successful applicant is expected to develop an externally funded research program, and to teach and advise graduate and undergraduate students. The applicant must have a Ph.D. in chemistry or a closely related discipline. The appointment is expected to start August 1, 2004. Applicants should send a curriculum vitae, a statement of research and teaching interests, current and three letters of reference to: Bruce C. Faust, Chair, Atmospheric Chemistry Search Committee, Duke University, School of the Environment, Levine Science Research Center, Durham, NC 27708-0328. Applications will be accepted until June 15, 2004, or until a suitable candidate is identified. Duke University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT DIRECTOR ORANGE COUNTY RESEARCH PROGRAM

The Cornell University Laboratory of Ornithology is seeking an ASSISTANT DIRECTOR of the Bioacoustics Research Program (BRP). The Assistant Director provides administrative and scientific assistance to BRP while conducting and reporting on his/her own original research. Responsibilities include: serving as scientific liaison with the research community, government and private agencies; writing proposals and raising research funds; managing and supervising daily operations, including budgetary and personnel matters; and participating in seminars and other scientific activities. Qualifications: doctorate or equivalent professional degree, postdoctoral experience preferred. Experience in acoustics, bioacoustics and signal processing is highly valuable; evidence of research ability as indicated by publications in the scientific literature, other scholarly work, and successful grants. To all applicants: send curriculum vitae, cover letter, and names and telephone numbers of three references to: Bioacoustics Search, Cornell Laboratory of Ornithology, 159 Sapunner Woods Road, Ithaca, NY 14850 USA. The position is available immediately; applications will be accepted until the position is filled. Cornell University is an Equal Opportunity Employer/Educator.

POSITIONS OPEN ASSISTANT PROFESSOR PLANT MOLECULAR BIOLOGIST

The University of Alaska (UA) Museum, the Department of Biology and Wildlife and the Institute of Arctic Biology at the University of Alaska Fairbanks invite applications for a full-time, permanent, tenure-track position in plant molecular biology and systematics, to begin Fall 1995. The successful candidate is expected to curate the botanical collection at the UA Museum, establish an active, externally funded research program using modern methods of molecular biology, teach one course per year, and participate in undergraduate and graduate training in plant systematics and collection management. The University offers a Ph.D. or equivalent in Botany or closely related field required. Museum curatorial, postdoctoral, and university teaching experience or demonstrated potential for university teaching experience is preferred. The successful candidate will be provided with research space and start-up in the Institute of Arctic Biology, access to the recently acquired automated DNA sequencer, and institutional support. The UA Museum has over 160,000 Alaska and halocentric specimens and is a regional resource center for floristic and biogeographic studies. To apply send curriculum vitae, statement of research and teaching interests, copies of reprints, and at least three letters of reference sent to: Dr. Gerald F. Shields, Molecular Plant Systematist Search, Institute of Arctic Biology, University of Alaska Fairbanks, P.O. Box 757000, Fairbanks, AK 99775-7000 (907-474-7656), by January 4, 1995. Women and minorities are encouraged to apply. University of Alaska Fairbanks is an Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF COLORADO SCHOOL OF MEDICINE ASSOCIATE PROFESSOR Department of Pharmacology Structural Biologist/Protein Chemist

We seek a FACULTY member employing NMR and/or other physical chemical techniques for the study of the three-dimensional structures of proteins and the impact of structure on function. We are particularly interested in application of these techniques to study mechanisms of drug action. The University of Colorado School of Medicine is embarking on an initiative to develop a program in the area of molecular structure, and the recruited individual would be expected to play an integral role in such program development.

The existing research strengths of the Pharmacology Department include molecular signal transduction, molecular biology of the cell cycle, neuropharmacology, and the chemistry and function of lipid signal molecules. We are seeking a new faculty member with interests that complement these existing strengths.

Applicants must have a Ph.D. or M.D. degree, a vigorous research program with the potential to develop significant extramural funding, and a commitment to teaching medical and graduate students.

Review of applications will begin December 1, 1994, and will continue until the position is filled.

Submit curriculum vitae, three letters of reference, and a statement of current and future research interests to: Dr. R. Adron Harris, Chair, Search Committee, Department of Pharmacology, University of Colorado Health Sciences Center, Box C236, 4200 East 9th Avenue, Denver, CO 80262. The University of Colorado is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION DEPARTMENT OF MEDICAL GENETICS Oregon Health Sciences University Portland, Oregon

Applications are invited for a tenure-track position at the ASSISTANT PROFESSOR level. The Department seeks individuals who have demonstrated excellence in research. Preference will be given to candidates with a research emphasis in eukaryotic molecular, cellular or developmental genetics. Applicants should include a curriculum vitae, a brief description of research accomplishments, a brief description of future research goals, and the names of three references. Please address applications to: Faculty Search Committee Department of Medical Genetics, L103 Oregon Health Sciences University 3181 SW Sam Jackson Park Road Portland, OR 97201-3098
ASSISTANT PROFESSOR  
MOLECULAR IMMUNOLOGY AND IMMUNOPATHOLOGY  
UNIVERSITY OF MARYLAND COLLEGE PARK

Applications are invited for a tenure-track position at the assistant professor level. The successful candidate will be expected to establish an independent, externally funded research program. Applicants should have a Ph.D. or equivalent postdoctoral research experience. Selection will be based on scientific excellence and the potential to establish an independent research program. Applicants should send curriculum vitae, a statement of research plans, and three letters of recommendation to: Dr. R. E. Hand, Department of Pharmacology, University of Maryland School of Medicine, Baltimore, MD 21201. Applications will be accepted until the position is filled. Women and minority applicants are especially encouraged to apply.

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FOOTNOTE TO THE ASSISTANT PROFESSIONAL VOLUNTEERS:  
\[ \text{additional content} \]

ASSISTANT PROFESSOR  
DEPARTMENT OF PHARMACY  
UNIVERSITY OF WASHINGTON

Applications are invited for a tenure-track assistant professor position in the Department of Pharmacy. Candidates should have a Ph.D. or equivalent postdoctoral research experience. Selection will be based on scientific excellence and the potential to establish an independent research program. Applicants should send curriculum vitae, a statement of research plans, and three letters of recommendation to: Dr. R. E. Hand, Department of Pharmacology, University of Maryland School of Medicine, Baltimore, MD 21201. Applications will be accepted until the position is filled. Women and minority applicants are especially encouraged to apply.

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

ASSISTANT PROFESSOR  
DEPARTMENT OF BIOCHEMISTRY  
EASTERN VIRGINIA MEDICAL SCHOOL

The Department of Biochemistry, Eastern Virginia Medical School, invites applications for a 12-month, full-time tenure-track position at the level of assistant professor. Applicants must have a Ph.D. or equivalent postdoctoral research experience. Selection will be based on scientific excellence and the potential to establish an independent research program. Applications should be submitted to: Dr. J. E. Quigley, Department of Biochemistry, Eastern Virginia Medical School, P.O. Box 9910, Norfolk, VA 23501. Applications will be accepted until the position is filled.

Eastern Virginia Medical School is an Equal Opportunity/ Affirmative Action Institution.

ASSISTANT PROFESSOR  
PLANT BIOLOGY  
ELEMOKOINOUS

The position requires a Ph.D. in botany or a closely related field. Applicants must have a strong research program underwritten by undergraduate students and teaching introductory and evolutionary biology. Send by December 1, 1994, a letter including description of teaching experience and letters of recommendation to: Dr. J. E. Quigley, Department of Botany, University of California, Berkeley, CA 94720. Applications will be accepted until the position is filled.

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

ASSISTANT PROFESSOR  
DEPARTMENT OF CHEMISTRY  
UNIVERSITY OF IOWA

Applications are invited for a tenure-track position at the level of assistant professor. The successful candidate will be expected to establish an independent, externally funded research program. Applicants should have a Ph.D. or equivalent postdoctoral research experience. Selection will be based on scientific excellence and the potential to establish an independent research program. Applications should be submitted to: Dr. J. E. Quigley, Department of Chemistry, University of Iowa, Iowa City, IA 52242. Applications will be accepted until the position is filled.

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

RESEARCH ASSISTANT PROFESSOR  
CELL BIOLOGY  
ELEMOKOINOUS

The position requires a Ph.D. in cell biology. Applicants must have a strong research program underwritten by undergraduate students and teaching introductory and evolutionary biology. Send by December 1, 1994, a letter including description of teaching experience and letters of recommendation to: Dr. J. E. Quigley, Department of Botany, University of California, Berkeley, CA 94720. Applications will be accepted until the position is filled.

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

ASSISTANT PROFESSOR  
DEPARTMENT OF BIOLOGY  
UNIVERSITY OF MARYLAND COLLEGE PARK

Applications are invited for a tenure-track position at the level of assistant professor. The successful candidate will be expected to establish an independent externally funded research program. Applicants should have a Ph.D. or equivalent postdoctoral research experience. Selection will be based on scientific excellence and the potential to establish an independent research program. Applications should be submitted to: Dr. J. E. Quigley, Department of Biology, University of Maryland, College Park, MD 20742. Applications will be accepted until the position is filled.

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

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

**Molecular Biology**

*Albert J. Fornace, Jr., MD*

The focus is on mammalian genes involved in growth control and regulatory factors, particularly the tumor suppressor p53 which is activated by genotoxic stress. Studies involve elucidation of their regulatory pathways and the functions of these genes. Experience in molecular biology and/or protein biochemistry preferred. Applicants must have less than five years postdoctoral experience. Laboratory of Molecular Pharmacology (OE-60), NIMH, Building 36, Room 3D30, 36 CONVENT DR MSC 4096, BETHESDA MD 20892-4096.

**Molecular and Developmental Neurobiology**

*Vittorio Gallo, PhD*

The regulation of glutamate receptor genes in developing glia is being investigated at the molecular and cellular levels. Analyses are performed in cultured cells and in transgenic mice, in order to characterize glutamate receptor gene promoters and regulatory transcription factors. Candidates should have a background in molecular biology and/or cellular neuroanatomy, and have less than five years postdoctoral experience. Laboratory of Cellular and Molecular Neurophysiology (OE-60), NICHD, Building 49, Room 5A78, 49 CONVENT DR MSC 4480, BETHESDA MD 20892-4480.

**Molecular Neurobiology**

*J. S. Hong, PhD*

The signal transduction pathways regulating the expression of neuropeptide and cytokine genes in neural and glial systems are being investigated. Studies on the effects of neuropeptides on the biosynthesis and release of cytokines in microglial cells and potential roles of cytokines in neurodegeneration will be conducted. Applicants should have experience in neuropharmacology, neurochemistry or molecular biology. Laboratory of Environmental Neurosciences (OE-60), P.O. Box 12233, Mail Drop E1-01, Research Triangle Park, North Carolina 27709.

**Neuromuscular Diseases**

*Marinos C. Dalakas, MD*

Research is directed at clinical, metabolic and molecular aspects of neuromuscular disease. Expertise in clinical evaluation and management, performance and interpretation of muscle and nerve biopsies, enzyme histochemistry of muscle, molecular-genetic studies and 31P MRS of muscle is required. Applicants should be board eligible or certified in neurology and have less than five years postdoctoral experience. Medical Neurology Branch (OE-60), NINDS, Building 10, Room 4N248, 10 CENTER DR MSC 1382, BETHESDA MD 20892-1382.

**Nitric Oxide Synthesis in CNS**

*Sheldon Milstein, PhD*

Nitric oxide synthase all require tetrahydrobiopterin for activity. The co-regulation of both nitric oxide and tetrahydrobiopterin synthesis is being examined in glial cells and neurons especially with regard to diseases with neuroimmunological pathology, such as sepsis and AIDS.

Experience in cell biology, molecular biology, and neurochemistry preferred. Applicants must have less than five years postdoctoral experience. Laboratory of Neurochemistry (OE-60), NIMH, Building 36, Room 3D30, 36 CONVENT DR MSC 4096, BETHESDA MD 20892-4096.

**Retrovirology and Gene Therapy**

*Leslie K. Derr, PhD*

RNA-mediated recombination (i.e., pseudogene formation, and recombination between cDNAs and chromosomal alleles) is studied, using a yeast model system. Key questions being addressed: how are cellular mRNAs reverse transcribed and inserted into the genome, and what factors control these events? Ongoing studies are dissecting the mechanism of RNA-mediated recombination and identifying the viral and cellular functions required. Laboratory of Molecular Microbiology (OE-60), NIAID, Building 4, Room 311, 4 CENTER DR MSC 0460, BETHESDA MD 20892-0460.

**Transcription Factors and Gene Regulation**

*Nancy H. Colburn, PhD*

Genes critical to rate-limiting steps in carcinogenesis are being identified using differential display techniques on transformation response variant cell lines. Dominant negative mutants of implicated transcription factors and regulatory kinases are being used in transgenic mice and cells to probe molecular interactions and targets for prevention of carcinogenesis. Molecular biology publications and less than five years postdoctoral experience required. Laboratory of Viral Carcinogenesis (OE-60), NCI, FCRDC, Building 560, Room 21-89, Frederick, MD 21701-1201.

**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 (wylibru.cn.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 ",vt100" for terminal emulation, "FSE" for initials, and "AFL" 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, 301-496-2427, 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.
The Department of Anatomy, School of Veterinary Medicine, invites applications for a tenure-track, ASSISTANT PROFESSOR. Candidates are being sought who have a Ph.D. from an anatomy department or a related discipline with a strong morphological background, two to three years of postdoctoral research experience in contemporary structural or molecular biology, and experience in teaching comparative gross anatomy. Preference will be given to those with a D.V.M. degree. The department emphasizes quality and innovative instruction and interdepartmental collaborative research. Departmental faculty conduct research in the cellular and molecular aspects of tissue and organ development, growth, and regeneration. Excellent facilities for animal model research and teaching exist within the department and University. Applicants are expected to establish a strong, extramurally funded research program. A research laboratory, research technician (for at least two years), and start-up funds will be provided by the department. Graduate student support is also available. Applications will be accepted through December 2, 1994, or until the position is filled. Interested applicants should send their curriculum vitae, a two-to-three page description of research plans and teaching goals, reprints of published articles, names, addresses, and telephone numbers of three referees, all to be sent to: Dr. E. J. Hinsman, VAN Search Committee, School of Veterinary Medicine, University of Minnesota, MN 55455. Telephone: 612-626-0210. FAX: 612-624-5329. E-mail: vansearch@umn.edu.

POSITIONS OPEN

TOPOLOGICAL BIOLOGICAL CHEMISTRY UNIVERSITY OF COLORADO AT BOULDER

The Department of Chemistry at the University of Colorado at Boulder invites applications for a tenured faculty position at the rank of ASSOCIATE or FULL Professor. Applicants with an active research program in the area of topological biological chemistry with a focus on macromolecular chemistry are encouraged to apply. Applications should be submitted electronically to: Dr. J. A. Velez, Chairman, Search Committee, Department of Chemistry, University of Colorado, Boulder, CO 80309-0239. Please submit a letter of interest, curriculum vitae, a description of research plans and teaching goals, and three letters of recommendation. The search will begin on December 1, 1994, and continue until the position is filled. The University of Colorado is an Affirmative Action/Equal Opportunity Employer.

CONSERVATION GENETICS

The Department of Fisheries and Wildlife and the Biotechnology Center at Utah State University seek applicants for a faculty position in Conservation Genetics beginning July 1, 1995. We seek an animal population or quantitative geneticist with expertise in advanced molecular or other biotechnological methods that can be applied to conservation problems. An active research program with extramural funding and graduate student training is expected. Teaching will entail three to five courses per year (Genetics in Conservation and Management, Biotechnology in Natural Resources, and a graduate seminar). Ph.D. required. Postdoctoral experience preferred. Applicants should send a curriculum vitae, a statement of teaching interests, and a summary of proposed research interests, and should arrange to have letters sent by three referees. Send applications to: Dr. J. R. Green, Department of Fish and Wildlife, College of Natural Resources, Utah State University, Logan, UT 84322-5210. Utah State University is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

EVOLUTIONARY MORPHOLOGIST

The Department of Ecology and Evolutionary Biology is a group of strongly interactive faculty with particular strengths in ecology, evolution, and morphology and behavior. We announce an ASSISTANT PROFESSORSHIP for an evolutionary morphologist. All candidates must have a Ph.D. in an appropriate field and postdoctoral experience in research, potential for excellence in teaching, ability to develop an independently funded research program, and potential to work well with other faculty members, particularly with departmental faculty. Fields of particular interest include ecomorphology, development, historical/phylogenetic analysis, and functional organization/ biomechanics of vertebrates and invertebrates. Research in any area of morphology course for medical students and contributions to courses in comparative morphology and evolution. Applicants should submit a curriculum vitae, a statement of research plans and teaching interests, a representative manuscript, and three letters of reference. Review of applications will begin November 15, 1994, and continue until the position is filled. The University of Arizona is an Affirmative Action/Equal Opportunity Employer.

CONSERVATION BIOLOGY

The Department of Zoology at North Carolina State University seeks applicants for ASSISTANT PROFESSOR. The position is a 12-month tenure-track, combining teaching and research. Teaching duties include undergraduate and graduate advising and teaching, with an emphasis on developing and teaching specialty and possibly morphology courses. Candidates should show research achievement in conservation biology or closely related fields, particularly those emphasizing terrestrial vertebrates. Candidates are expected to show potential for excellence in teaching and research to have received a Ph.D. in conservation biology or a related field by July 1, 1995, and postdoctoral experience is preferred. A letter of application, three letters of recommendation, and curriculum vitae should be sent to: Sam Mosley, Conservation Biology Search, Department of Zoology, North Carolina State University, Raleigh, NC 27695-7617. Applications will be accepted until December 15, 1994, or until the position is filled. We are looking to diversify our faculty; minorities and women are encouraged to apply. North Carolina State University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR BIOGEOCHEMISTRY UNIVERSITY OF COLORADO AT BOULDER

The Department of Environmental, Population and Organismic Biology and the Institute of Arctic and Alpine Research seek applicants for a position in biogeochemistry. Preference will be given to candidates at the ASSISTANT PROFESSOR level, but all candidates will be considered. The successful candidate will have a record of scholarly achievement and a commitment to teaching in the field of biogeochemistry, e.g., ecosystem carbon dynamics, radiative active trace gas fluxes, nutrient-ecosystem interactions, and applications of biogeochemical processes. Candidates must have a Ph.D. degree. Interested persons should send a cover letter, a curriculum vitae, and the names of three references to: Dr. T. R. Seastedt, Chair, Biogeochemistry Search Committee, EPO Biology, University of Colorado, Campus Box 334, Boulder, CO 80309-0334, by 1 December 1994. The University of Colorado is an Equal Opportunity/Affirmative Action Employer. We support the principle of diversity. We are particularly interested in receiving applications from women, ethnic minorities, disabled persons, veterans, and other individuals who will enrich the diversity of our faculty.

IMMUNOLOGY/MOLECULAR GENETICS UNIVERSITY OF MIAMI

The Division of Hematology/Oncology, a component of the NIH-funded Sylvester Comprehensive Cancer Center seeks an ASSISTANT or ASSOCIATE PROFESSOR for a laboratory position in cancer immunology or molecular genetics. The Division is expanding its translational research to increase the linkage of its clinical research programs with the laboratory. Areas of interest include mechanisms of cell cycle regulation, chemotherapy response, cell growth, and angiogenesis. Applicants must have a Ph.D. degree. Preference will be given to individuals with backgrounds in research related to cancer therapy, lymphoma and bone marrow transplantation with well-established research efforts in immunobiology, cell biology, and anti-cancer reagents. The successful applicant will be expected to contribute to teaching and research. Excellent opportunity to collaborate with many scientists. Applications should include a letter of interest, curriculum vitae, and three letters of recommendation. Please send applications to: Dr. C. C. Chen, Director, Division of Hematology/Oncology, University of Miami School of Medicine, 11201 SW 8th Street, Miami, FL 33174. The University of Miami is an Equal Opportunity Employer.

TENURE-TRACK RESEARCH FACULTY POSITION in BIOLIGICAL TRANSPANTATION

Applications are invited for an ASSISTANT or ASSOCIATE PROFESSOR position in the tenure-track with appointments in the departments of Surgery and Microbiology Immunology, at the University of Virginia. The candidate will be expected to develop a research program in transplant biology. The applicant should have a Ph.D. in immunology or transplant related basic sciences, have a history of research experience in transplantation, and an interest in transplant research. We hope to receive applications by the end of June, 1994. Send applications to: Dr. C. R. M. Rask, Chairman, Search Committee, Department of Surgery, University of Virginia, Charlottesville, VA 22908. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION DEPARTMENT OF BIOLOGY UNIVERSITY OF OREGON

The Department of Biology at the University of Oregon invites applicants for a tenure-track faculty position with joint membership in the Institutes of Molecular Biology and Neuroscience. We seek individuals using genetic (including genomics) and other methods to address development, neural function, or behavior at a molecular level. Although we are primarily interested in applicants at the ASSISTANT PROFESSOR level, we will consider more senior applicants. The successful candidate will have demonstrated the potential for excellence in both research and teaching. Applicants should submit, by December 9, 1994, a curriculum vitae (including teaching experience), a bibliography, and a statement of research interests and plans. Applicants should also have four letters of recommendation sent to: Molecular Biology/Neuroscience Search Committee, Department of Biology, 1210 University of Oregon, Eugene, OR 97403-1210. The University of Oregon is an Equal Opportunity/Affirmative Action Employer committed to compliance with the ADA and cultural diversity. We encourage women and minorities to apply.

TENURE-TRACK RESEARCH FACULTY POSITION TRANSPLANTATION

Applications are invited for an ASSISTANT or ASSOCIATE PROFESSOR in the tenure-track with appointments in the departments of Surgery and Microbiology Immunology, at the University of Virginia. The candidate will be expected to develop a research program in transplant biology. The applicant should have a Ph.D. in immunology or transplant related basic sciences, have a history of research experience in transplantation, and an interest in transplant research. Please contact: Dinesh Ranjan, M.D., Department of Surgery, 800 Rose Street, Lexington, KY 40536. We are an Equal Opportunity/Affirmative Action Employer.

SCIENCE • VOL. 266 • 11 NOVEMBER 1994
BIOTECHNOLOGY RESEARCH ASSOCIATE

The Molecular Toxicology Group of the Health Sciences Research Division at the Oak Ridge National Laboratory (ORNL) has immediate PhD-level openings for recent graduates. One position will conduct studies on a novel non-invasive diagnostic and therapeutic technology. Relevant experience in tissue culture and molecular biology techniques is required which may include: insertion of small oligonucleotides into eukaryotic cells, immunohistochemistry procedures and cloning in prokaryotic and eukaryotic systems, and common techniques to manipulate and analyze nucleic acids. Experience in anti-sense technologies and use of chemically modified oligonucleotides may be useful.

On-going projects also include studies in tumor suppressor gene phosphorylation, enhancement of cellular production in bacteria, and identification of genes related to immunodeficiency in mutant mice using differential display. Experience in differential display, signal transduction/protein phosphorylation, or cloning in non E. coli systems may be considered for these projects.

ORNL is managed by Martin Marietta Energy Systems, Inc. for the US Department of Energy. For immediate consideration, send your resume by December 2, 1994, to Dr. Craig Dees, Dept. SCI-1111, Oak Ridge National Laboratory, P.O. Box 2008, Oak Ridge, TN 37831-6480. For more information, phone (615) 576-2178. ORNL is an equal opportunity employer committed to building and maintaining a diverse workforce.

THE BIOGEN MISSION

Biogen is a dynamic young biotechnology company principally engaged in developing genetically engineered human pharmaceuticals. Now in our 17th year, we are one of the few profitable biotech companies in the U.S. Revenues come from five products - including Intron RA alpha interferon and hepatitis B vaccines and diagnostics - sold throughout the world by licensees or affiliates. Current research is directed toward the discovery and development of proprietary products to treat inflammation, cardiovascular disease, AIDS and certain cancers.

Research Scientist - Pharmacology

As a key member of our Drug Discovery and Evaluation Department, you will assume responsibility for a wide variety of pharmacological functions. Your primary responsibilities will entail design and implementation of in vivo animal models, as well as the pharmacological characterization and refinement of potential small molecule therapeutic agents. This position will require close collaborative efforts with our synthetic chemistry, protein engineering and molecular biology departments. The successful candidate will hold a Ph.D. in Pharmacology and have 5 years' independent research experience. An in-depth knowledge of immunology and cardiovascular physiology also essential, is as some supervisory experience.

Biogen offers what few companies in our industry can - Professional Challenge, Stability, Profitability, and Growth. In addition, our compensation and benefits package is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, you have an opportunity to join us now. Please forward your resume to: Biogen, Inc., Professional Staffing - Dept. JT, 14 Cambridge Center, Cambridge, MA 02142, FAX: (617) 679-3595. Biogen is an Equal Opportunity Employer.

MARINE BIOLOGICAL LABORATORY

1995 Summer Courses

BIOLOGY OF PARASITISM: Modern Approaches

(June 11 - August 12)

This course, for students, postdocs and faculty, focuses on the molecular basis of parasite function and the host/parasite interaction, with special emphasis on the most recent and exciting developments in this area. The course has four sections: cell biology, immunology, molecular biology, and biochemistry. Each section includes daily lectures from the MBL faculty and outside speakers, and intensive laboratory experimentation. Limited to 16 students. Director: Stephen H. Hajduk, University of Alabama at Birmingham.

EMBRYOLOGY: Cell Differentiation and Gene Expression in Early Development

(June 13 - July 26)

An advanced level course intended for graduate students, postdoctoral fellows, and other research scientists who wish a current treatment of major issues in the field of developmental biology of the embryo, and the diverse approaches now useful in this field. Limited to 24 students. Directors: Eric H. Davidson, California Institute of Technology; Michael Levine, University of California, San Diego; and David R. McClay, Duke University.

MIRCOBIAL DIVERSITY

(June 11 - July 27)

An intensive laboratory and lecture course intended for graduate or postdoctoral students as well as established investigators who desire to become competent in microbiological techniques for isolation and working with a broad range of microorganisms. Microbial diversity will be described and analyzed in biochemical, physiological, and selected molecular biological terms. Limited to 20 students. Directors: Edward R. Leadbetter, University of Connecticut; and Abigail Salyers, University of Illinois.

NEURAL SYSTEMS AND BEHAVIOR

(June 11 - August 4)

Intended for graduate and postdoctoral students as well as established investigators. This course focuses on the neural basis and plasticity of behavior. Twenty students participate in intensive laboratories/lectures which combine state-of-the-art neurobiological techniques with behavioral analyses. Directors: Janis C. Weeks, University of Oregon; and Harold H. Zaloum, University of Texas.

NEUROBIOLOGY

(June 11 August 12)

An intensive course in molecular and cellular neurobiology for doctoral and postdoctoral students and established investigators. Lectures will offer a systematic discussion of fundamental issues and research paradigms; work in the laboratories will address these issues using the full range of contemporary physiological, molecular, and structural techniques. Limited to 12 students. Directors: Gary Barber, University of Virginia; and Daniel V. Madison, Stanford University.

PHYSIOLOGY:

Cellular and Molecular Biology

(June 11 - July 22)

For a class of 36 pre- and post-doctoral students who desire training in state-of-the-art methods and research strategies in genetics, physiology, and cellular and molecular biology. Pre-doctoral students and physician scientists beginning their laboratory training are particularly encouraged to apply. Interested students may apply for 2-3 weeks of postcourse research starting June 24. Director: Mark S. Moosz, Yale University.

Application Deadline: March 1, 1995

Tuition: $3,000

Partial financial aid is available to qualified candidates. For application forms, contact: Admissions Coordinator, Marine Biological Laboratory, Woods Hole, MA 02543, (508) 548-3705, ext. 401; Internet: admissions@mbi.edu; World Wide Web: http://www.mbi.edu. The MBL is an EEO Affirmative Action Institution.
IMMUNOLOGIST: The Department of Microbiology and the Basic Medical Sciences Program at Washin
gton University invites applications for a nine-month, tenure-track faculty position at the ASSISTANT PRO-
FESSOR level. Candidates with Ph.D., M.D., or Ph.D./M.D. are invited to apply for the position of Micro-
biology Laboratory Director. This position is commensurate with the position of Professor of Micro-
biology. The successful candidate must be able to teach courses at both the undergraduate and grad-
uate levels. The successful candidate must have a strong commitment to research and teaching. After
February 1, 1995, applications will be considered with preference given to candidates in the areas of immu-
nology, molecular biology, and cancer research. Applications are due on January 15, 1995. Send sub-
missions to: Dr. A. H. Rebar, Box 1880, St. Louis, MO 63110. The St. Louis Archivists Society, Inc.

BACTERIOPATHOGENS

The Department of Molecular Genetics and Microbi-
ology invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. The
successful candidate must have a Ph.D. or M.D. and be able to teach courses at both the undergraduate
and graduate levels. The successful candidate must have a strong commitment to research and teaching.
Candidates are expected to establish an independent research program. The position is available immedi-
ately. Applications should be submitted by January 15, 1995. Send inquiries to: Dr. A. H. Rebar, Box 1880,
St. Louis, MO 63110. The St. Louis Archivists Society, Inc.

FACULTY POSITION IN NEUROSCIENCE

A TENURE-TRACK assistant professor position is available in the Department of Neurology at St. Louis
University Medical School. The successful candidate must have a Ph.D. or M.D. degree and be able to
establish a strong research program. The position is available immediately. Applications should be
submitted by January 15, 1995. Send inquiries to: Dr. A. H. Rebar, Box 1880, St. Louis, MO 63110. The
St. Louis Archivists Society, Inc.

FACULTY POSITION IN MOLECULAR BIOLOGY

The Ohio State University

Applications are invited for a tenure-track assistant profes-
sor position in the Department of Molecular Biology. The successful candidate must have a Ph.D. or
M.D. degree and be able to establish a strong research program. The position is available immedi-
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St. Louis, MO 63110. The St. Louis Archivists Society, Inc.

SOUTHEASTERN LOUISIANA UNIVERSITY

Department of Biological Sciences

The Department of Biological Sciences invites applications for a tenure-track assistant professor posi-
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able to establish a strong research program and secure funding. The successful candidate must have
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The St. Louis Archivists Society, Inc.
Bristol-Myers Squibb Pharmaceutical Research Institute is the R&D division of Bristol-Myers Squibb, a worldwide leader in the discovery and development of innovative pharmaceuticals. We currently have opportunities in the following areas:

**Wallingford, Connecticut**

**CNS Drug Discovery Group**

**Director**

**Neurodegenerative Diseases**

The successful candidate will have 10 or more years of relevant postdoctoral experience addressing aspects of neurodegenerative disorders. We seek an individual with a strong history of research accomplishment and a multidisciplinary understanding of molecular neurobiology, pharmacology, and electrophysiology in the context of neurodegenerative disease or neuronal cell death. Expertise managing a diverse group of scientists in a dynamic research environment is highly desirable. Dept. HD-CNS-D.

**Research Scientists**

We are actively pursuing research in the areas of neurodegenerative diseases (stroke and Alzheimer’s Disease), sleep disorders, and eating disorders. Our research environment is characterized by multidisciplinary collaborations among scientists trained in different aspects of neuroscience and molecular neurobiology. Successful candidates will share an interest in better understanding neurologic and psychiatric disorders as they relate to the identification and preclinical development of potential new therapeutics which will meet unmet medical needs or offer significant advantages over currently available agents. Applicants should have at least three years of relevant postdoctoral experience. The productivity and expertise of the candidate are more important than are the specific areas of training. Opportunities at various levels exist in molecular neurobiology, neuropharmacology and neurophysiology, and in behavioral neuroscience. Dept. HD-CNS.

**Synthetic Organic Chemists**

**Cancer Research**

These positions, for M.S./B.S. level chemists, will involve you in the synthesis of new compounds for biological evaluation as agents in the treatment of cancer. Laboratory experience in modern spectroscopic and experimental techniques and preparative chromatography, along with a working knowledge of synthetic organic chemistry, is essential. Protein experience could be advantageous, but not required. Dept. HD-337.

**Research Investigator**

**Microbiology**

Candidate must have Ph.D. plus 2 years postdoctoral or 2 years related industry experience in fungal molecular biology or biochemistry. Dept. HD-326.

Please forward resume with salary history and Dept. # of interest to: Bristol-Myers Squibb Pharmaceutical Research Institute, Human Resources, 5 Research Parkway, P.O. Box 5101, Wallingford, CT 06492-7661.

**Princeton, New Jersey**

**Senior Research Investigator, Ph.D.**

**Ion Channel Research**

The Department of Pharmacology has an opening for an Electrophysiologist with a Ph.D. degree with postdoctoral training or equivalent experience in the areas of the physiology, pharmacology, biophysics, or molecular biology of ion channels. The ideal candidate will have a proven record of independent achievement, and broad skills in the area of ion channel research. Experience in the study of cloned ion channels expressed in amphibian or mammalian cells would be highly desirable. Excellent oral and written communication skills are also required.

Please forward resume with salary history to: Bristol-Myers Squibb Pharmaceutical Research Institute, Human Resources, Dept. BM-270, P.O. Box 4000, Princeton, NJ 08543-4000.

Bristol-Myers Squibb

Pharmaceutical Research Institute
VERTEBRATE FIELD BIOLOGIST—Applications are invited for a tenure-track position as ASSISTANT PROFESSOR, rank to begin August 1995. Ph.D. is required. Primary teaching responsibilities will be ecology and general zoology; additional course(s) may include histology, histopharmacology, mammalogy, ornithology, or functional morphology. The successful candidate should have a strong commitment to teaching and will also be expected to involve undergraduates in a research program. Adjacent to the campus is a managed 220 acre Bieroser. Applicants must submit undergraduate and graduate transcripts, three references, a curriculum vitae, a statement of educational and research objectives by January 17, 1995, to the Search Committee, Department of Biology, Denison University, Granville, OH 43023-1698. Denison University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

ASSISTANT PROFESSORS TENURE-TRACK

The Department of Biological Sciences is searching for persons who will interact with a growing group of ecologists, evolutionary biologists, and molecular biologists and who will add strength in systems and comparative animal physiology. We seek an Invertebrate Biologist using contemporary approaches to physiological problems. Ph.D. is required. A Physiologist/Physiological Ecologist using molecular or whole-organism approaches to physiological adaptations. Candidates for these positions must have demonstrated experience in research and published ability as independent researchers. Teaching both graduate and undergraduate courses is required. Reviews begin January 10. A curriculum vitae, letter describing immediate and long-term research and teaching interests, selected reprints, and three letters of recommendation are requested by: Dr. William J. Eiges, Chair, Invertebrate Systematics Search Committee or Dr. Kimberly G. Smith, Chair, Physiological Ecologist Search Committee, Department of Biological Sciences, SCEN 629, University of Arkansas, Fayetteville, AR 72701. The University of Arkansas is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF ANATOMY

One tenure-track, 12-month faculty position at the ASSISTANT PROFESSOR rank. The initial contract is for two years and may be renewed. Applicants must have a Ph.D. in Anatomy and a commitment to teaching. The major teaching will be in Gross Anatomy to Medical and Physical Therapy Students. As required by the Immigration Control Act, you must be able to provide documentation verifying the right to work in the United States. Applicants should send a curriculum vitae and three letters of recommendation to: Rafi Younoszai, Ph.D. Chair, Search Committee College of Osteopathic Medicine of the Pacific Northwest Ellensburg, WA 98926-1889.

TWO TENURE-TRACK ASSISTANT PROFESSOR POSITIONS IN DEVELOPMENTAL NEUROSCIENCE

Department of Neurobiology and Anatomy
University of Utah School of Medicine

Applicants must have a Ph.D., M.D., or equivalent degree, postdoctoral research experience, and the ability to develop a strong independent research program. Applicants with demonstrated research expertise in any aspect of nervous system development will be considered. A strong commitment to teaching medical and graduate students is desired. Teaching experience in a medical school basic science curriculum is preferred. These positions will not require teaching in human (gross) anatomy. Send a curriculum vitae (including bibliography and list of grant support), a statement of research interests, and names and addresses of three references to: Dr. T. N. Parks, Chair, Department of Neurobiology and Anatomy, University of Utah School of Medicine, Salt Lake City, UT 84132, U.S.A. Deadline is February 1, 1995, or until suitable candidates are identified. Equal Opportunity/Affirmative Action Employer. We encourage applications from women and minorities.

ORGANIC CHEMIST—ASSISTANT PROFESSOR

The Department of Chemistry at Pomona College invites applications for a tenure-track position at the level of ASSISTANT PROFESSOR, tenure rank, with a terminal diagnostic appointment at the level of ASSISTANT PROFESSOR, to begin fall 1995. A Ph.D. in organic chemistry is required. The candidate’s potential as a teacher and researcher for an undergraduate program is essential. Preference given to individuals with research publication experience in refereed journals. Application deadline is December 1, 1994. Application deadline is December 1, 1994. Midwestern State University is a liberal arts university with an enrollment of 10,000. The chemistry department is ACS certified, offering the B.S. in chemistry and B.S. in environmental chemical technology. Submit curriculum vitae, description of proposed research, a statement of educational philosophy and three letters of recommendation to: Dr. Norman Horner, Director, Division of Sciences, Midwestern State University, 3410 Taft, Wichita Falls, TX 76308-2099. Equal Opportunity Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR VECTOR BIOLOGY

The Department of Molecular Microbiology and Immunology at the Johns Hopkins University School of Public Health invites applications for an ASSOCIATE PROFESSOR with research experience in vector biology. The individual would be expected to develop an independent research program within an interactive environment of all aspects of infectious disease transmission and transmission of microbial diseases. There will be opportunities for teaching and training of graduate students. Applicants should have a strong publication record, description of research interests and names of three references to: Dr. Diane Griffin, Department of Molecular Microbiology and Immunology, 3410 N. Charles Street, Room 4013, Johns Hopkins University School of Public Health, Baltimore, MD 21205. The Johns Hopkins University actively encourages applications from women and minorities and is an Equal Opportunity/Affirmative Action Employer.

PLANT SYSTEMATIST: The Biology Department at the University of Michigan-Flint invites applications for an ASSISTANT PROFESSOR, tenure-track position beginning fall 1995. Primary teaching responsibilities in Plant Systematics. Some knowledge of general horticultural experience preferred. Ph.D. by September 1995, demonstrated teaching ability, active research record, and broad training in biology. Selection review to begin February 1, 1995. Send resume including course work and teaching areas, copies of recent publications and a list of at least three references to: Dr. Gary L. Pace, Department of Biology, University of Michigan-Flint, Flint, MI 48502-2186. This campus is a 6,000 student, urban regional unit of The University of Michigan. The University of Michigan is an Equal Opportunity/Affirmative Action Employer. Submit a letter of application, curriculum vitae, and three letters of recommendation by December 15, 1994, to: Dr. Richard Fehn, Acting Chair, Department of Biology, California State University, 5500 University Parkway, San Bernadino, CA 92407. FAX: 909-807-7000. Equal Opportunity/Affirmative Action/Section 504, Title IX Employer.

CANCER BIOLOGY

Tenure-track position at the ASSISTANT PROFESSOR level with appointments in the Markey Cancer Center and the Department of Pathology and Laboratory Medicine. An individual examining the role of genetic instability in the establishment and progression of cancer and who uses human tissues or an animal model is particular. Experience in a D.V.M. setting with individual with an outstanding research program in related areas of cancer biology will be considered. Interested persons should send curriculum vitae, one to two page description of research interests, and the names and addresses of three people who can serve as references: Dr. Deborah Powell, Department of Pathology and Laboratory Medicine, University of Utah, 509 West 22nd Street, Salt Lake City, UT 84132. Deadline is February 1, 1995, or until suitable candidates are identified. Equal Opportunity/Affirmative Action Employer. We encourage applications from women and minorities.

MOLECULAR CELL BIOLOGIST

IILLINOIS STATE UNIVERSITY

The Department of Biological Sciences seeks a Molecular Cell Biologist for a tenure-track ASSISTANT PROFESSOR position. Applicants should be able to maintain an independent extramurally funded research program utilizing molecular approaches to any area of cell biology, including development or neurobiology and behavior. The successful candidate should be able to direct M.S. and Ph.D. graduate research on the practical applications of systems biology and graduate courses in their specialty. To assure review of application, submit curriculum vitae, statement of research and teaching interests, recent reprints, and three letters of recommendation by January 15, 1995, to: Search Committee, Department of Biological Sciences, Illinois State University, Normal, IL 61790-4120 by January 15, 1995. Illinois State University is an Equal Opportunity/ Affirmative Action Employer.

PLANT SYSTEMATIST (Tenure-track, ASSISTANT/ASSOCIATE): to teach botany and genetics courses, screening begins 6 January 1995. Responsibilities: teach, conduct research, curate a teaching herbarium, advance student leadership in a related biological field, teaching experience, and research experience in molecular systematics, phylogeny, or evolution. Send cover letter addressing qualifications and experience in teaching and research, teaching philosophy and research interests; curriculum vitae; unofficial transcripts; and names, addresses, and telephone numbers of three references to: Dr. Michael Gleason, Biology, Central Washington University, Ellensburg, WA 98926-7537. This position is contingent on funding. Central Washington University is an Equal Opportunity/Affirmative Action Employer, Title IX Institution, that is committed to increasing the diversity of its faculty.

FRANK K. RAMSEY ENDOWED CHAIR IN VETERINARY MEDICINE

The College of Veterinary Medicine at Iowa State University invites nominations and applications of internationally known individuals for a SCIENTIFIC CHAIR. The College is seeking an individual with excellence in basic or applied science in a discipline in the field of veterinary medicine to be appointed to the recently endowed Frank K. Ramsey Chair in Veterinary Medicine. Applicants must have the D.V.M. and Ph.D. degrees or equivalent degrees and have exceptional credentials, including prior national and international recognition from renowned organizations, for research done on animal and/or veterinary problems associated with agricultural animals. Candidates from all areas of specialization in the field of veterinary medicine will be considered. Establishing an extramurally funded research program, directing graduate students, and teaching graduate courses. Iowa State University is a center of food animal research and it is desired that the incumbent to this chair strengthens programs in food animal research through strong interactions with, and leadership for, other scientists in the food animal area at the University. This is a tenured, full professor position with a generous supplemental budget to support the appointee’s research.

Send curriculum vitae, a statement of research and teaching interests, and the names of references to: Dr. Gary D. Osweiler, Ramsey Search Committee Chair, College of Veterinary Medicine, Iowa State University, Ames, IA 50011. Telephone: 515-294-7171. Review of applications will begin November 1994, and continue until the position is filled. Iowa State University is an Equal Opportunity/Affirmative Action Employer.
National Institute of Allergy and Infectious Diseases
National Institutes of Health

**NIH Seeks Scientist/Physician**

The Division of Allergy, Immunology and Transplantation (DAIT) is seeking an outstanding physician (M.D.) or scientist (Ph.D) or persons with equivalent training to serve as Program Officer for the Division's Genetics and Transplantation Branch. Candidates should have a strong research background in the fields of molecular or cellular immunology, genetics or immunogenetics.

Responsibilities include providing professional and scientific leadership on a broad array of activities necessary for the planning, evaluation, direction and coordination of the genetics and transplantation program. We offer a competitive salary and outstanding benefits.

This is a GS-13 position with a salary range up to $73,472 per annum for physicians and $62,253 per annum for non-physicians. Physicians comparability allowance up to $20,000 may be applicable.

**Personnel Office**
PHS/NIH/NAID/DAIT
Bldg. 31, Room 7A-20
9000 Rockville Pike
Bethesda, MD 20892
Announcement No. AI-94-0088
Telephone No. 301-402-1421
FAX No. 301-496-1940
ATTN: Kristie Daniel

U.S. Citizenship required.
NIH is an Equal Opportunity/Affirmative Action Employer
Positions Open

LINTON BISHOP PROFESSORSHIP IN HUMAN GENETICS
Department of Genetics and Molecular Medicine
Emory University School of Medicine

Through the generosity of Dr. Linton Bishop’s family, the Department of Genetics and Molecular Medicine is searching for an internationally recognized GENETICIST who will hold the appointment as the Linton Bishop Professor of Human Genetics. Individuals specializing in gene therapy, the molecular basis of disease, or population and quantitative genetics are of special interest.

The Department of Genetics and Molecular Medicine occupies newly constructed facilities that include research laboratories, a diagnostic laboratory, a molecular histology laboratory, a developmental genetics laboratory, and a departmental genetics clinic. Within the context of the University’s Clinical Research Facility, the department also has access to an ultramodern gene therapy suite which includes two operating rooms which combine laboratory and observation laboratory as well as three patient isolation rooms.

Emory’s suburban campus encompasses the Medical School, the undergraduate college, and three of five affiliated hospitals which draw patients from throughout the region.

Interested individuals should send their curriculum vitae and the names of five references to:

Douglas C. Wallace, Ph.D.
Robert W. Woodruff Professor of Molecular Genetics
Chairman, Department of Genetics and Molecular Medicine
1462 Clifton Road, Room 446
Emory University School of Medicine
Atlanta, GA 30322

Emory University is an Equal Opportunity/Affirmative Action Employer.

Positions Open

EMORY UNIVERSITY
Dean of the Graduate School of Arts and Sciences

Emory University invites applications and nominations for the position of DEAN of the Graduate School of Arts and Sciences. Emory University currently enrolls approximately 20,500 students, taught by 1,300 full-time instructional faculty, of whom 700 are graduate faculty. The Graduate School of Arts and Sciences enrolls 1,300 graduate students and doctoral candidates in 23 departments and divisions. The Dean is responsible for providing academic leadership in all aspects of the graduate programming and graduate studies within the administration of the University.

Candidates must have a record of teaching and scholarly accomplishment with appointment to the rank of Professor; evidence of interest and aptitude is required, as is commitment to rigorous graduate education.

Applicants should submit a letter detailing their interest and pertinent experience, together with a current curriculum vitae. Applications and letters of nominations should be sent to: Professor Thomas S. Burns, Chair, Graduate Dean Search Committee, Department of History, Howden Hall, Emory University, Atlanta, GA 30322. The search committee will begin reviewing letters December 1. Emory is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR, NUTRITIONAL SCIENCE/HUMAN METABOLIC STUDIES
Division of Nutritional Sciences at Cornell University is seeking an ASSISTANT PROFESSOR, tenure-track, to develop a strong program in nutrition that relies on clinical/metabolic studies with human subjects in areas such as nutritional toxicology; micronutrient deficiencies and their control; nutrition and exercise or diet; genetic endowment, and human disease. Responsibilities include undergraduate and graduate teaching, and independent as well as collaborative research. Ph.D. and/or M.D. or equivalent degree required; registered dietitian desirable. Please send curriculum vitae and names of three references to: Dr. Utermohlen, Associate Professor, Cornell University, Division of Nutritional Sciences, Sage Hall, Ithaca, NY 14853. Application deadline January 20, 1995. Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

PROFESSOR of PSYCHIATRY and SCIENTIFIC DIRECTOR of the Psychiatric Institute at the University of Illinois at Chicago. Candidates are sought for leader of a research institute within the Department of Psychiatry. The Institute consists of several neuroscience laboratories; clinical psychopharmacology and mental health services research units; educational and training programs. The Institute is funded by substantial state support and is augmented by competitive contract and grant funds. The Director is expected to build a program integrating basic and clinical services research and to develop consultation programs useful to the State Department of Mental Health. The candidate must have demonstrated the capacity to obtain external support or evidence of leadership roles in research enterprises, to develop and oversee research in diverse areas, and to establish an organized system which stimulates growth of young investigators. M.D. or Ph.D. or equivalent. This is a full-time tenured position. Please submit curriculum vitae, letter from Dr. Kruesi, M.D., and Mark Rasenik, Ph.D., Co-Chairs, Search Committee, Department of Psychiatry (M/C 913), University of Illinois at Chicago, 912 South Wood Street, Chicago, IL 60612-7327. University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE
(12-month, full-time position, one year duration with possibility of annual renewals at discretion of Director) to work on five-year NIH grant. Research includes on-cognitive control, learning, memory, and brain systems underlying cognitive processes. We seek an individual with an interest in bringing physiological and behavioral techniques and findings together to further the development of explicit mechanistic accounts of cognitive functions such as perception, memory, language, problem solving, control and planning of action, etc. We especially encourage candidates who study brain activity during performance of cognitive tasks in humans or non-human primates. Applications should be sent to: James L. McClelland (Chair), Psychology and Computer Science Research Committee, Department of Psychology, Carnegie Mellon University, Pittsburgh, PA 15213. The position should include a statement of research and teaching interests, a curriculum vitae, copies of published work, and three letters of recommendation. The deadline for initial consideration is January 1, 1995, though applications arriving after that date may be considered. Carnegie Mellon University is an Equal Opportunity/ Affirmative Action Employer. Women and minority candidates are especially encouraged to apply.

POSTDOCTORAL POSITION available immediately to study transcription factors involved in small inter- nal epithelial differentiation. Experience in molecular biology is essential. Please send curriculum vitae along with the names and addresses of two references to: Richard A. Hodin, M.D., Department of Surgery, Beth Israel Hospital, Harvard Medical School, 330 Brookline Avenue, Boston, MA 02215 or FAX to 617-278-7756. An Affirmative Action/Equal Employment Opportunity.

Positions Open

WASHINGTON AND JEFFERSON COLLEGE FACULTY POSITION IN CELLULAR BIOLOGY

Washington and Jefferson College (W&J) seeks a regular, full-time entry-level faculty position in the Biology Department. Applicants should have exceptional teaching skills and wide-ranging interests in biology, from molecular level to population biology. Teaching duties, at various times, will include general biology; cell biology; biochemistry, genetics, and molecular biology.

Many W&J biology majors enter health-professional schools and some combine biology with majors in technical fields. The faculty member hired must work effectively with such students as teacher, adviser and guide to undergraduate research opportunities. A Ph.D. is preferred; AB Department demonstrates excellence in undergraduate teaching are required.

Applicants should submit a letter of interest, a resume and a statement of educational philosophy and current research interests, and should arrange for three letters of reference to be sent to the Department of Academic Affairs, Biology Department, Washington and Jefferson College, Washington, PA 15301. The application deadline is December 15, 1994. Washington and Jefferson College, a private, co-educational undergraduate liberal arts college of 1,200 students, is located in Washington, Pennsylvania, a medium-sized city 30 miles south of Pittsburgh. W&J is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are encouraged.

DEPARTMENT OF ZOOLOGY
UNIVERSITY OF NEW HAMPSHIRE

Applications are invited for two tenure-track faculty positions. We seek a MARINE ANIMAL ECOLOGIST with a strong background in laboratory, experimental design and quantitative analysis whose research focuses on estuarine and/or near shore coastal systems. We seek a CELL/DEVELOPMENTAL BIOLOGIST whose primary research focus is the molecular analysis of signal transduction pathways; candidates using Drosophila, C. elegans, or zebrafish are particularly encouraged to apply. Active involvement in research and graduate education, and a strong commitment to undergraduate teaching are expected. Teaching responsibilities are normally carried on a 9 month academic year course, and a graduate seminar each year. The University of New Hampshire has strong programs in marine research and education supported by excellent facilities. Review of applications will begin January 1, 1995. Submit curriculum vitae, names of four references, and statements of research and teaching interests to: Faculty Search Committee, Department of Zoology, University of New Hampshire, Durham, NH 03824. The University of New Hampshire is an Equal Opportunity/Affirmative Action Employer, and encourages applications from women and minority candidates.

COGNITIVE NEUROSCIENCE

The Department of Psychology at Carnegie Mellon University (CMU) and the CMU-Pitt Center for the Neural Basis of Cognition seek a FACULTY MEMBER of any rank for a tenure-track position investigating the neural mechanisms underlying cognitive processes. We seek an individual with an interest in bringing physiological and behavioral techniques and findings together to further the development of explicit mechanistic accounts of cognitive functions such as perception, memory, language, problem solving, control and planning of action, etc. We especially encourage candidates who study brain activity during performance of cognitive tasks in humans or non-human primates. Applications should be sent to: James L. McClelland (Chair), Psychology and Computer Science Research Committee, Department of Psychology, Carnegie Mellon University, Pittsburgh, PA 15213. The position should include a statement of research and teaching interests, a curriculum vitae, copies of published work, and three letters of recommendation. The deadline for initial consideration is January 1, 1995, though applications arriving after that date may be considered. Carnegie Mellon University is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are especially encouraged to apply.

POSTDOCTORAL RESEARCH ASSOCIATE
(12-month, full-time position, one year duration with possibility of annual renewals at discretion of Director) to work on five-year NIH grant. Research includes on-cognitive control, learning, memory, and brain systems underlying cognitive processes. We seek an individual with an interest in bringing physiological and behavioral techniques and findings together to further the development of explicit mechanistic accounts of cognitive functions such as perception, memory, language, problem solving, control and planning of action, etc. We especially encourage candidates who study brain activity during performance of cognitive tasks in humans or non-human primates. Applications should be sent to: James L. McClelland (Chair), Psychology and Computer Science Research Committee, Department of Psychology, Carnegie Mellon University, Pittsburgh, PA 15213. The position should include a statement of research and teaching interests, a curriculum vitae, copies of published work, and three letters of recommendation. The deadline for initial consideration is January 1, 1995, though applications arriving after that date may be considered. Carnegie Mellon University is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are especially encouraged to apply.

POSTDOCTORAL POSITION available immediately to study transcription factors involved in small inter- nal epithelial differentiation. Experience in molecular biology is essential. Please send curriculum vitae along with the names and addresses of two references to: Richard A. Hodin, M.D., Department of Surgery, Beth Israel Hospital, Harvard Medical School, 330 Brookline Avenue, Boston, MA 02215 or FAX to 617-278-7756. An Affirmative Action/Equal Employment Opportunity.

The Parkinson’s Institute is recruiting a DIRECTOR for its new Molecular Biology Program. The major focus is on genetic factors in neurodegenerative disease. Demonstrated expertise in developing a multifaceted molecular biology laboratory and successful collaborative interactions with clinical and basic research disciplines preferred. Address inquiries to: Caroline M. Tanner, M.D., The Parkinson’s Institute, 1170 Morse Avenue, Sunnyvale, CA 94089
The National Research Council (NRC), the principle operating arm of the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine, a national non-profit, non-government organization located in Washington, D.C., invites applicants for the position of Executive Director of the Office of International Affairs (OIA). OIA activities include international programs which examine relevant scientific and technology policy issues, including those concerned with scholarly communication, effective uses of science and technology in sustainable development, and security and world peace. OIA also is responsible for coordination and communication with other units of the National Research Council to the extent that they are engaged in international activities. A staff of approximately 35 professionals support the work of the OIA.

The Executive Director in cooperation with the OIA Chairman and Executive Board, manages the OIA as one of nine major program units of the NRC, including all scientific, financial, and administrative operations of the unit, in coordination with cognizant chairmen and subject to the policy directives of the Chairman, Vice Chairman, and Executive Officer of the NRC. The incumbent plans and oversees the ongoing program of technical activities and studies, supervises staff, and is expected to stay abreast of major developments. The OIA Executive Director identifies emerging problems and opportunities for policy analyses and responds to public and private requests for studies and information.

Applicants should have the following qualifications: Ph.D. or equivalent in areas related to international affairs and at least 10 years experience related to (1) analysis of international science and technology policy issues; (2) participation of U.S. scientists in international organizations and programs; (3) U.S. scientific cooperation, exchanges, and policy studies with other countries; and (4) the U.S. scientific community in effective technical assistance and cooperation with developing nations. Substantial leadership experience in program development, policy analysis, policy formulation, staff management, and project quality assurance is required. Familiarity with the role of the U.S. government in supporting and using research in areas of international affairs, contracts and grants procedures, and with institutions of higher education and industry is required. Candidates must also have demonstrated knowledge of staff and financial management, and effective oral and written communication skills.

**INTERNATIONAL CONFERENCE ON RECEPTOR-REGULATED CALCIUM INFUX**

May 14-18th 1995
Asilomar Conference Center
Pacific Grove, CA

Abstract deadline: January 27th, 1995

Conference limited to 200 participants based on abstract submission with appropriate scientific content.

List of Speakers:
Michael Calvin
University of California-Irvine
David Cloghan
Max Planck Institute, Germany
Cristina Farese
University of Padova, Padova, Italy
Christian Felder
National Institute of Mental Health
Phyllis Gardiner
Stanford University
Ben Hill
University of Washington
Elie Kaplan
National Cancer Institute
Diane Kipnis
Baylor College of Medicine
Dafna Liptay
National Institute of Mental Health
Richard Lewis
Stanford University
Chris Mathes
Institute of Marine Station, Stanford University
Jacques Meiklejohn
Foncella Center, Kyoto University, Japan
Bernard Penner
Max Planck Institute
James Potrykus
National Institute of Environmental Health Sciences
Richard Roylance
National Cancer Institute
Richard Tymoczko
Howard Hughes Medical Institute, UCSF

Inquiries and requests for brochures should be directed to the program committee.

Stuart Thompson & Chris Mather • Hopkins Marine Station, Pacific Grove, CA
Tel: 408-655-6233 • Fax: 408-655-2983 • e-mail: cruches@island.darmstadt.edu • usanti @ island.darmstadt.edu
Christian Felder • Laboratory of Cell Biology, Building, 3E, Room 117 • Nobles, Berkeley, CA 94710
Tel: 510-495-9837 • Fax: 510-495-7434 • e-mail: felders@berkeley.uch.berkeley.edu

**FACULTY POSITION**
**MICROBIOLOGY AND IMMUNOLOGY**

The Department of Microbiology and Immunology of the City University of New York Medical School invites applications for a tenure-track position at the level of Assistant or Associate Professor. Candidates are expected to have a Ph.D. or M.D. degree, or equivalent and to have completed appropriate post-doctoral training with a demonstrated record of significant research accomplishments. Individuals with experience in molecular or cellular immunology, virology, parasitology, or infectious disease will be considered for the position. Teaching responsibilities include medical students, physician's assistants and graduate students.

The Department has strong and diverse research interests and interacts with other University Departments at the Medical School and other CUNY campuses. Faculty have access to a wide variety of state-of-the-art facilities. Funds for initiation of the research program of the successful candidate will be available. Salary range: $42,167-$64,816 (Assistant Professor); $52,244-$75,297 (Associate Professor) commensurate with experience.

Interested individuals should send a curriculum vitae, copies of recent publications, a brief statement of future research goals and three letters of reference by February 1, 1995 to: Dr. Richard Colico, Chairman, Department of Microbiology and Immunology, CUNY Medical School, J913

**CITY COLLEGE OF NEW YORK**
138th Street and Convent Avenue
New York, NY 10031

The City College of New York has a strong commitment to the principle of diversity. In that spirit we are particularly interested in receiving applications from a broad spectrum of people, including women and under-represented groups. Reasonable accommodation provided for individuals with disabilities upon request.

The City University of New York is an AA/EEO Employer M/F/D/V
POSTDOCTORAL POSITIONS NEUROBIOLOGY RESEARCH CENTER UNIVERSITY OF ALABAMA AT BIRMINGHAM SCHOOL OF MEDICINE

Four POSTDOCTORAL positions are available for NIH-supported Research Center to study basic cellular and molecular mechanisms of development of the mammalian central nervous system (Dr. M. J. Friedlander, C. C. Garner, J. J. Hablitz, H. W. Sontheimer and A. B. Thelbert) have collaborative research programs to use state-of-the-art cellular and molecular approaches to study: 1) the role of glutamate and calcium in synaptic function and excitotoxicity; neuronal/glia interactions and their role in ion channel expression; 2) the role of neurotransmitters in synaptic development; and 3) the function of novel synapse associated proteins. Candidates should have training in either biology, molecular or cellular neurobiology and an interest in nervous system development. Please send curriculum vitae and three letters of reference to: Dr. Michael J. Friedlander, Neurobiology Research Center, University of Alabama Birmingham School of Medicine, 1719 6th Avenue South, CIRC/516, Birmingham, AL 35294-0021 USA by January 1, 1995. The University of Alabama at Birmingham is an Affirmative Action/Equal Opportunity Employer.

YALE UNIVERSITY SCHOOL OF MEDICINE POSTDOCTORAL POSITION IN IMMUNOBIOLOGY

The Section of Immunobiology headed by Richard A. Flavell includes A. Bothwell, K. Bottomly, P. Cresswell, J. D. Cresswell, J. E. Hayday, C. Janeway, Jr., P. Kathavast, E. Pamer, J. S. Pober, N. Rudlles, D. Scharf, S. Shlomchik and R. Tigelal. POSTDOCTORAL associates are investigating antigen presentation, T/B cell and lymphoid organ development, gene regulation, T cell apoptosis, recognition and molecular interactions, activation, function, cytokines, V(DJ) recombination, and disease related research in autoimmune, Lyme disease, transplantation, and AIDS are available. Please send curriculum vitae, statement of interest and three letters of recommendation by February 15, 1995, to: Terrill Moorehouse, Administrator, Section of Immunobiology, Room 404, 310 Cedar Street, P.O. Box 208011, New Haven, CT 06520-8011. Yale University is an Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATES in Neuroendocrinology. Ph.D. in molecular biology, genetics, neuro- science, or biochemistry to join a lab that uses interdisciplinary approaches to investigate the biology of neuroen- docrine systems. We are looking for individuals who can focus on the interaction of the endogenous opioid systems with the hypothalami-pituitary-adrenal and gonadal axes. The lab maintains a large animal colony, including gene targeting by homologous recombination in embryonic stem cells and commonly uses expression systems for cDNA, human, and retroviruses, and a range of biochemical and behavioral assays of gene function in mice. The positions require previous evidence of excellence in the candidate’s field and a working knowledge of molec- ular biology. Send letter, curriculum vitae, and names of three references to: Dr. Malcolm Low, Vumun Insti- tute, L474, Oregon Health Sciences University, 3181 SW Sam Jackson Park Road, Portland, OR 97201. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately to study structure-function relationships in bacterial transport proteins and/or the regulation of bacterial nu- trition. This position is available immediately, depending on experience, and an excellent benefits package is also available. Applicants should have a strong background in biochemistry and/or molecular biology. Please send curriculum vitae and three letters of reference to: Dr. Gary R. Jacobson, Department of Biology, Boston University, 5 Cummings Center, Boston, MA 02115, an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately to study structure-function relationships in bacterial transport proteins and/or the regulation of bacterial nutrition. This position is available immediately, depending on experience, and an excellent benefits package is also available. Applicants should have a strong background in biochemistry and/or molecular biology. Please send curriculum vitae and three letters of reference to: Dr. Gary R. Jacobson, Department of Biology, Boston University, 5 Cummings Center, Boston, MA 02115, an Equal Opportunity/Affirmative Action Employer.

GAYNIA COMMONWEALTH UNIVERSITY CHAIRPERSON

The Medical College of Virginia/Virginia Commonwealth University (MCV/VCU) School of Medicine is seeking a CHAIRPERSON for the Department of Anatomy. The Department has 20 full-time faculty and major research strengths in neuroscience, immunobiology and reproductive biology. It is involved in formal instruction in the anatomical disciplines to medical, other professional, and undergraduate students, and it has a dynamic and large graduate training program. Candidates for the Chair should have a Ph.D. and/or M.D. degree; should be internationally renowned for scholarly accomplishments in contemporary cell, molecular, or neurobiology, should have leadership and administrative skills; and should be committed to vigorous support of research as well as excellence in teaching. Experience working in an academia- medical center is preferred.

Applications should submit a letter of interest, curricul- um vitae and list of three to five references by May 15, 1995, to: George Kunos, M.D., Ph.D., Chair, Search Committee, Department of Pharmacology and Toxicology, MCV/VCU, Box 980615, Richmond, VA 23298-0615. VCU is an Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.

WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE IMMUNOLOGY FACULTY POSITION

Tenure-track faculty position at ASSISTANT or AS- SOCIA TE PROFESSOR level. Position requires a Ph.D. in immunology or microbiology with immunology specialty.

Prior teaching experience required. Teaching responsi- bilities are immunology and team-taught medical mi- crobiology to medical students. Research opportunities available.

Applicants should submit a letter describing teaching and research experience and interests, curriculum vitae, names and addresses of three references to: Chairperson, Microbiology Search Committee, Human Resources Office, WV SOM, 400 North Lee Street, Lewisburg, WV 24901. Applications will be accepted until the position is filled. An Equal Employment Opportunity/Affirmative Action Employer.

A position in Theoretical Chemistry at the University of Houston is open for applicants at all levels. The position is TENURE-TRACK or tenured in a department with sev- eral active faculty in theoretical chemistry. At the junior faculty level, postdoctoral experience is required and ap- plicants will be expected to have strong potential in re- search and a commitment to education at all levels. Ap- plicants with a tenured position are expected to have already established reputation in research, education and service. Preference will be given to applicants whose field comple- ments current strengths in theoretical chemistry at this Department. Please send a curriculum vitae, research plans and three letters of recommendation by January 1, 1995, to: Prof. C. H. Sorensen, Department of Chemis- try, University of Houston, Houston TX 77024- 5611. The University of Houston is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and persons with disabilities are encouraged to apply.

POSTDOCTORAL POSITIONS ENZYMOL OGY OF DNA REPAIR

A POSTDOCTORAL position is available for a highly motivated individual to be part of a group working on the role of DNA Repair in human tumor cells. Empha- sis will be on the purification and characterization of hu- man enzymes involved in DNA Repair and on studies to compare levels of these enzymes in normal versus tumor cells. The candidate will have a Ph.D. or the equivalent and should have demonstrated expertise in protein purifi- cation, enzymology and molecular biology. Send curri- culum vitae, statement of research interests and names of three references to: Dr. Mary Jeannette, The DuPont Magnitude, Inc., Postdoctoral Program, Position No. 94-KEA, P.O. Box 80353, Wilmington, DE 19880-0353.

POSTDOCTORAL POSITION available January 1995 at Analytical Biological Services Inc., a rapidly growing consulting and research firm that supplies new pharmaceutical and biotechnology companies with bio- chemical preparations. Candidate must have Ph.D. in bio- chemistry with experience in purification and differen- tiation. Expected starting salary includes a generous retirement/benefits package. Send curriculum vitae to: Dr. Charles Saller, ABS Inc., P.O. Box 273, Rockland, DE 19732.
Sr. Research Scientist
Bio-Rad Laboratories is a world leader in the fields of life science research products, clinical diagnostics and analytical instruments. Our continued growth has created a need for a dynamic scientific professional to work in our Molecular Diagnostics Division.

The successful candidate will have an MS or PhD in Molecular Biology or Biochemistry with 3+ years experience in nucleic acid technology and DNA amplification methodology. Experience in product development and strong writing skills desired.

For consideration, please send your resume to: Bio-Rad Laboratories, 2000 Alfred Nobel Dr., Dept. 594, Hercules, CA 94547. EOE MFDV.

Molecular Diagnostics

National Institutes of Health - National Institute of Allergy and Infectious Diseases
Division of Acquired Immunodeficiency Syndrome

Announcement #AI-94-084

ASSOCIATE DIRECTOR
VACCINE PREVENTION AND RESEARCH PROGRAM
Location: Bethesda, Maryland

The Division of AIDS, NIAID/NIH, is seeking an Associate Director for its newly established Vaccine and Prevention Research Program. This individual is responsible for overall scientific leadership and management in the areas of HIV/AIDS vaccines and other biomedical and behavioral interventions for the prevention of HIV/AIDS. The Program includes the Division's complex and broad ranging extramural activities of U.S. domestic and overseas preclinical and clinical research and development.

Desirable qualifications include a Ph.D. and/or M.D. degree, extensive postgraduate research experience, and demonstrated ability to direct and lead a biochemical research effort. U.S. citizenship is required.

This is a GS-15 Civil Service position. A recruitment or relocation bonus of up to 25% of base pay may be available. Physicians may be eligible for a Physician's Comparability Allowance of up to $20,000 per year. Salary range - $66,609 to $86,569.

Selection for this position will be based solely on merit with no discrimination for non-merit reasons such as race, color, religion, gender, national origin, disability, age, or sexual orientation.

Persons interested in this position may contact Dr. John Y. Killen, Director, DAIDS, at 301-496-0545. Applicants should submit an SF-171, Application for Federal Employment, and a curriculum vitae by December 20, 1994 to: Ms. Shelia Conner, NIAID Personnel Office, Solar Building, Rm. 4B15, Bethesda, MD 20892-7620 (301-402-0937).

NIH is an Equal Opportunity Employer

The Royal Society
VACANT RESEARCH APPOINTMENTS 1995

Applications are invited for about 35 Royal Society University Research Fellowships, tenable in the first instance for five years from 1 October 1995 (or later in the academic year 1995-96). Renewals of three years and then a further two may be possible. The appointments available embrace all branches of science, including agriculture, medicine, mathematics, engineering and technology.

Research Fellows are paid on the academic and academic-related staff (Lecturer A and B) salary scale which currently runs from £14 756 (age 26) to £25 735 (age 39) plus three additional discretionary points up to £28 765. Starting salaries will be on this scale, with London Allowance where appropriate, and will rise incrementally each year. A limited number of merit increments will be awarded each year to reward outstanding performance. Annual research expenses (up to about £11 000 for 1995-96) will be available together with travel expenses and a contribution to baggage costs for successful applicants from overseas and their families.

Applicants must have a Ph.D. or equivalent research experience. They should be at least 26 but not have passed their 40th birthday by 1 October 1995 and have between two and seven years postdoctoral experience. Applicants over 40 may be considered under very exceptional circumstances; they should contact the Research Appointments Department at The Royal Society for advice before submitting an application. Fellowships must be held in a university in the United Kingdom. Those already holding substantive posts in a UK university will not be considered. University Research Fellowships are open only to European Community citizens who are either employed in the UK or who, if not employed, have been resident in the UK for a continuous period of three years other than for the sole purpose of receiving full-time education.

Application forms and further information are available from the Research Appointments Department, The Royal Society, 6 Carlton House Terrace, London, SW1Y 5AG (Fax 0171-930 2170). Closing date 17 February 1995. Application forms are not available after 3 February 1995 and applications arriving after 4 p.m. on 17 February will not be considered.

THE OHIO STATE UNIVERSITY
College of Medicine
Chairperson, Department of Medical Biochemistry

The Ohio State University College of Medicine invites applications and nominations for the position of chairperson of the Department of Medical Biochemistry. The department has 16 full-time faculty recognized for research strengths in cellular, molecular, and physical biochemistry. It participates in the education of medical and dental students and in an integrated biochemistry graduate program comprised of biochemists in departments and centers throughout The Ohio State University Campus. Medical Biochemistry is one of five basic science departments in the College of Medicine. The College is part of a nationally ranked comprehensive health sciences center.

A Ph. D. and/or M.D. or equivalent degree and qualifications for appointment at the rank of professor are required. The successful candidate will also have a distinguished record of scholarly productivity, an internationally recognized research program, aptitude for administering an integrated academic program, and demonstrated leadership and organizational skills. Any area of research specialization in biochemistry will be considered, including multidisciplinary orientation to the molecular basis of disease.

Applications and nominations should be received by February 1, 1995 to receive full consideration. The search will continue until the position is filled. Materials, including an application letter, full curriculum vitae, and the names and addresses of four references, should be directed to: Jackie D. Wood, Ph.D., Chair, Search Committee, Dept. of Physiology, 300 Hamilton Hall, 1645 Neil Avenue, Columbus, Ohio 43210.

The Ohio State University is an affirmative action/equal opportunity employer. Women and under-represented minorities are encouraged to apply.
POSTDOCTORAL POSITION

Cardiac Physiology
University of Maryland School of Medicine

A POSTDOCTORAL POSITION is available immediately (January 1995) for research in electrophysiology and excitation-contraction coupling of cardiac muscle. The research will involve the use of patch clamp techniques (whole cell and single channel) and fluorescent ion-indicators, including confocal microscopy, and fast photolysis of caged compounds in single voltage-clamped cardiac cells. Applicants should have a Ph.D. or M.D. and experience in electrophysiology.

Interested individuals should send curriculum vitae and names and addresses of three references to: Dr. W. Gil Wiler or Dr. C. William Balke, Department of Physiology, University of Maryland at Baltimore, 655 West Redwood Street, Room 590, Howard Hall, Baltimore, MD 21201.

POSTDOCTORAL AND PREDOCTORAL TRAINING IN NEURAL PROCESSES IN COGNITION

Opportunities for investigating cortical function at multiple levels of analysis. This is a joint program between the University of Pittsburgh, its School of Medicine, and Carnegie Mellon University. Applications are encouraged from individuals with training in biology, psychology, engineering, physics, mathematics, or computer science. Postdoctoral applicants must be permanent U.S. residents. Application deadline is February 1, 1995. For information contact: Program Director, Neural Processes in Cognition, University of Pittsburgh, 3939 O’Hara Street, Pittsburgh, PA 15260, Telephone: 412-624-7061; Email: neurogov @vms.cis.pitt.edu.

MOLECULAR BIOLOGY

POSTDOCTORAL/RESEARCH ASSOCIATE

Position available to study the regulation of gene expression during differentiation of male germ cells. Possible research projects include but are not restricted to: trans-acting factors that regulate meiotic and postmeiotic transcription; RNA binding proteins that regulate translation; and defining the functions of testis-specific isoforms. Salary will be commensurate with applicant’s experience. Training and experience in molecular biology or protein biochemistry is desirable. Please send curriculum vitae and names and addresses of three references to: Norman B. Hecht, Department of Biology, Tufts University, Medford, MA 02155.

MOTILITY AND METASTASIS: A POSTDOCTORAL OPPORTUNITY

An opportunity is immediately available to investigate the role of cell motility in the metastatic spread of mammary adenocarcinoma (breast cancer) cells in a collaboration between the laboratories of Drs. J. Segall and J. Condeelis. The work will utilize a combination of biochemical, molecular genetic and cell biological approaches focusing on the cytoskeleton. Submit curriculum vitae and names and addresses of three references to: Dr. Sylvia Daunert, Department of Chemistry, University of Kentucky, Lexington, KY 40506, Fax: 606-323-1069; Email: daunert@uklex.ky.uk.

POSTDOCTORAL POSITIONS IN MOLECULAR BIOLOGY/BIOANALYTICAL CHEMISTRY

The Bioanalytical Chemistry Group at the University of Kentucky has openings for POSTDOCTORAL FELLOWS. This is an experience in Molecular Biology to conduct research on projects funded by NASA and NIH involving photoproteins and periplasmic binding proteins in bioseparations, immunosensors and sensors. Send curriculum vitae and names and addresses of three references to: Dr. Raymond E. Salant, Human Resources, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer.

POSTDOCTORAL POSITION

available to study the biological and biochemical function of a tumor suppressor gene in a model of hereditary cancer in the rat. Background in molecular biology or biochemistry is desired. Please send curriculum vitae and names and addresses of three references to: Dr. Raymond E. Salant, Human Resources, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer.

POSTDOCTORAL POSITION

Applications are invited for a two-year position at the POSTDOCTORAL LEVEL. This position is available immediately in the area of molecular neurobiology. The research will focus on genome analysis and mapping of genes relevant to neurodegenerative diseases and tumor development. The successful candidate is expected to have a strong background in molecular and cellular biology. Experience in positional cloning would be an advantage.

Then, the full curriculum vitae to: Dr. U. Spaetli, Personnel Department, CIBA-GEIGY AG, CH-4002 Basel, Switzerland.

POSTDOCTORAL RESEARCH ASSOCIATE

Will conduct research on and study role, relationship and function of genes within introns and significance of highly conserved introns in a baculovirus and polynucleic virus. Successful applicant will study and apply more aspects of recombinant nucleic acid and baculovirus expression vector technologies. For studies of protein structure puravita-tion and expression vector technologies. Starting at $25,000, negotiable commensurate with experience. Please send resume and three references to: Dr. Max Summers, Texas A&M University, Department of Entomology, College Station, TX 77843-2475. Texas A&M University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

HARVARD MEDICAL SCHOOL

Position available to study mechanisms of neuronal cell death in primary neuronal cell cultures in the context of neuronal degeneration and effects of HIV on microglia and astrocytes. Experience in cell/molecular biology or neurosciences is required. Send curriculum vitae, brief description of research experience, and names of three references to: Dr. Dana Gabuzda, Dana-Farber Cancer Institute, JF712, 45 Binney Street, Boston, MA 02115. Telephone: 617-632-3113. An Equal Opportunity Employer.

POSTDOCTORAL POSITION

DEVELOPMENTAL NEUROBIOLOGY

Position available to study neuronal differentiation and formation of synaptic pathways in the rat spinal cord. Candidates with experience using intracellular recordings and/or calcium imaging are preferred. Send curriculum vitae and three letters of recommendation to: Dr. Lea Ziskind-Conhaim, Department of Physiology and Center for Neuroscience, University of Wisconsin-Madison, Madison, WI 53706. Telephone: 608-263-3382; FAX: 608-265-5512.

POSTDOCTORAL POSITION

DIVISION OF PEDIATRIC ONCOLOGY

The projects in the laboratory are focused on understanding the mechanisms of disease and the cycle regulation of components of the yeast mitotic spindle. The work involves molecular biology, cell biology and biochemistry. M.D. or Ph.D. is required. Send curriculum vitae and three letters of recommendation to: Dr. David Pearlman, Division of Pediatric Oncology, D1840, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115. An Equal Opportunity Employer.

POSTDOCTORAL POSITION

available immediately in a laboratory studying the molecular basis of drug resistance to inhibitors of DNA topoisomerase II and the control of enzyme activity by phosphorylation. Qualifications include Ph.D. or M.D. with a strong background in biochemistry, molecular biology or cell biology. Send curriculum vitae and names of three references to: Dr. David Denver, Department of Medical and Molecular Genetics, University of Nevada, 129SMI, 1300 University Avenue, University of Wisconsin Medical School, Madison, WI 53706. Telephone: 608-263-3382; FAX: 608-265-5512.

POSTDOCTORAL POSITION

available for NIH-funded study of molecular basis of metal resistance. Sub-structure search requires Ph.D. in Molecular Biology or related field. Experience in cell culture, plasmid construction, Pcr, cloning, sequencing, and expression vectors preferred. Send curriculum vitae and three references to: Dr. Robb Moses, Department of Biochemistry and Molecular Biology, Oregon Health Sciences University, 3181 SW Sam Jackson Park Road, Portland, OR 97201. An Equal Opportunity Employer.

RESEARCH FELLOWSHIP

NIH-funded POSTDOCTORAL FELLOWSHIPS available to study the cellular and molecular basis of immunologic, ischemic and toxic renal diseases; macrophages in autoimmune renal disease, and renal cell biology. U.S. citizen or permanent resident alien status required. Cell and/or molecular biological experience is desirable. Send letter, curriculum vitae and three references to: Dr. David Salant, Renal Section, Boston University Medical Center, Boston, MA 02118. FAX: 617-636-7326. Equal Opportunity Employer. Applications from women and minorities are strongly encouraged.

RESEARCH FELLOWSHIP

POSITIONS OPEN

POSTDOCTORAL/RESEARCH ASSOCIATE POSITION

Available for the study of human molecular genetics of inherited disease. Current research includes: Linkage mapping, mutation analysis, SSCP, DGGE, Cosmid Contig maps, selection hybridization cloning, library screening, apoptosis research, gene transfer studies. Send curriculum vitae and names and addresses of three references to: Dr. W. Small, M.D., Associate Professor, Doris Stein Eye Research Center, 300 Steam Ultrasound Cancer Research, CA 90024. Telephone: 213-740-7007. An Equal Opportunity/Affirmative Action Employer.
POST-DOCTORAL RESEARCH PROGRAM

The Institute for Genomic Research is a not-for-profit research institute devoted to sequencing, mapping, and functional characterization of human, animal, bacterial, and plant genomes. Research at TIGR is funded through grants from Human Genome Sciences, Inc., National Institutes of Health, Department of Energy, and National Science Foundation. The goal of TIGR is to bring scientists together in a collaborative environment to identify and characterize novel genes and gene families through the application of DNA sequence analysis, bioinformatics, gene expression and model organism studies. TIGR encourages collaborations and supports visiting fellows and faculty members. Departmental research at TIGR is supported by a large-scale DNA sequencing facility with state-of-the-art robotics and a computational facility centered around three MasPar massively parallel computers. TIGR scientists are developing a new generation of public biological databases to organize the data generated by cDNA and genomic sequencing. A new campus with more than 60,000 sq. ft. of laboratory and office space is under construction with an anticipated occupancy date of fall 1995. We are currently recruiting post-doctoral fellows to work with faculty members in the following areas:

•Microbial Genomics (Faculty: Carol J. Bult, Robert D. Fleischmann, Joseph Merrick)

TIGR is the recipient of a 3 year, $6.7 million DOE Small Genome Initiative grant. Post-doctoral fellows will assist in sequencing, assembly, and comparative analysis of complete microbial genomes, beginning with the archaebacterium, Methanococcus jannaschii. Applicants are eligible to compete for DOE Distinguished Postdoctoral Fellowships.

•Human Disease Gene Discovery (Faculty: Mark D. Adams, Keith Weinstock)

Post-doctoral fellows will participate in large-scale sequencing and analysis of human genomic regions implicated in several inherited diseases now under study at TIGR. TIGR’s database of over 200,000 ESTs will be used to facilitate isolation of candidate genes for functional characterization and identification of mutations.

•Signal Transduction (Faculty: Claire M. Fraser, Ewen F. Kirkness, Norman H. Lee)

Post-doctoral fellows will have opportunities to participate in ongoing studies at TIGR focused on discovery of novel growth factors, ligand-gated ion channels, and G protein-coupled receptors, analysis of receptor/gene structure, and characterization of transcriptional/translational mechanisms controlling receptor gene expression.

•Cancer Biology (Faculty: Rebecca A. Fuldner)

Comparative EST analysis is being utilized to identify global differences in gene expression associated with normal, malignant, and metastatic phenotypes in a variety of human cancers. Post-doctoral fellows will participate in analysis and biological characterization of novel therapeutic targets and cellular markers of transformation.

•Computational Biology (Faculty: Anthony R. Kerlavage, Granger Sutton, Owen White)

Postdoctoral fellows will participate in identification and analysis of new gene families within TIGR’s databases of over 200,000 ESTs, comparative analysis of small genomes and human genomic regions, prediction of protein function and structure, and integration of sequence data from public databases into new cDNA databases established and curated at TIGR.

TIGR offers a stimulating research environment, a competitive compensation and benefits package, and amenities of both metropolitan Washington DC and rural Maryland. The ideal candidate will be a highly motivated individual, with excellent communication skills and expertise in molecular biology and/or computational biology, who enjoys being part of an innovative scientific team. Starting salaries range from $30,000 - $37,500, depending on qualifications. Applicants who currently hold a PhD, MD, or DVM with 0-3 years previous post-doctoral experience are encouraged to send a cover letter, curriculum vitae, bibliography, statement of research interests, and the names of three references to: Human Resources Department, The Institute for Genomic Research, 932 Clopper Road, Gaithersburg, MD 20878. FAX: (301) 869-9423. e-mail: postdoc@tigr.org.

TIGR is an Equal Opportunity Employer and encourages qualified women and minority candidates to apply.
UNIVERSITY OF PITTSBURGH
RESEARCH FELLOWSHIP IN MEDICAL ONCOLOGY
The Department of Medicine at the University of Pittsburgh Medical Center offers FELLOWSHIPS in Medical Oncology for M.D., M.D./Ph.D., and Ph.D. fellows. This fellowship is intended to provide intense laboratory training and to investigate the regulatory mechanisms of cell growth and survival in response to environmental signals. The fellow will have the opportunity to work with a large number of cancer research-oriented laboratories at the University. The fellow is expected to develop expertise in the molecular biology of cancer, and to participate in collaborative research projects. The fellowship is for two years, and the starting date may be deferred up to six months. The salary is $30,000 per year. Applications are due January 1.

FELLOWSHIPS IN REPRODUCTIVE BIOLOGY
Northwestern University
Postdoctoral and predoctoral fellowships are available in the IVF Laboratory for highly qualified postdoctoral and graduate students. A diverse and broad-based program offers research training in molecular, biochemical, cellular, physiological, and behavioral aspects of reproduction. Participating faculty includes: Dr. John Berg (mammalian cell biology); Dr. Walter Stahlman (molecular biology); Dr. Richard LaBrecque (mammalian cell biology); Dr. Susan Gold (molecular biology); and Dr. Stephen Johnson (mammalian cell biology). Applications are due January 1.

RESEARCH ASSOCIATE
University of Michigan
The Department of Pathology at the University of Michigan is seeking a Research Associate to work on a project funded by the National Institutes of Health. The project is aimed at developing new strategies for the treatment of cancer. The Research Associate will be responsible for the design and execution of experiments, data analysis, and manuscript preparation. A Ph.D. or equivalent in a relevant field is required. The position is available immediately.

POSTDOCTORAL FELLOWSHIP POSITIONS
IN MOLECULAR DEVELOPMENT OF THE THERAPY SYSTEM
Various strategies are being employed to clone genes which are likely to regulate early processes in development of the heart and the vascular system. These include novel techniques of screening the heart’s loop of transcription factors (NPS, 91.7066). The genetic regulation and developmental role of such molecules is under study by classical gain and loss of function techniques in mammalian embryos. Applicants should have a strong background in developmental biology or molecular biology. Please submit curriculum vitae and names of three references to: Dr. Thomas Quertermous, Division of Cardiology, Vanderbilt University Medical School, CC2218 MCN, Nashville, TN 37232-2170. An Equal Opportunity/Affirmative Action Employer.

THE NEUROSCIENCES INSTITUTE
The Neurosciences Institute, La Jolla, CA 92037, invites applications for the postdoctoral position of JUNIOR FELLOW in Experimental Neurobiology to study biological mechanisms underlying formation, release, and termination of neurotransmitters. The Institute is a private, non-profit organization well established in the field of neurobiology. The position is available immediately. Applications are due January 1.

FELLOWSHIPS IN TROPICAL BIOLOGY
Predoctoral, postdoctoral, senior postdoctoral and 10-week graduate student FELLOWSHIPS are available in the Department of Tropical Biology of the University of California, Berkeley. The program is designed to provide training in tropical biology and related fields. Applicants are required to be U.S. citizens or permanent residents. The position is available immediately.

POSTDOCTORAL FELLOWSHIP NEUROSCIENCE
The Neurosciences Program at the Laeb Research Institute, Ottawa Civic Hospital and University of Ottawa, has positions to study the electrophysiology and pharmacology of synaptic transmission in CNS neurons regulating autonomic and peripheral function. Requires Ph.D. or equivalent and three to five years of experience. The appointment is for one year, renewable for a second year. The starting salary is $28,000 per year. Applications are due January 1.

RESEARCH ASSOCIATE
University of California, San Francisco
The Department of Neurology at the University of California, San Francisco, is seeking a Research Associate to work on a project funded by the National Institutes of Health. The project is aimed at developing new strategies for the treatment of neurological disorders. The Research Associate will be responsible for the design and execution of experiments, data analysis, and manuscript preparation. A Ph.D. or equivalent in a relevant field is required. The position is available immediately.

RESEARCH ASSOCIATE
University of California, San Diego
The Department of Neurobiology at the University of California, San Diego, is seeking a Research Associate to work on a project funded by the National Institutes of Health. The project is aimed at developing new strategies for the treatment of neurological disorders. The Research Associate will be responsible for the design and execution of experiments, data analysis, and manuscript preparation. A Ph.D. or equivalent in a relevant field is required. The position is available immediately.

RESEARCH ASSOCIATE
University of California, Los Angeles
The Department of Neurobiology at the University of California, Los Angeles, is seeking a Research Associate to work on a project funded by the National Institutes of Health. The project is aimed at developing new strategies for the treatment of neurological disorders. The Research Associate will be responsible for the design and execution of experiments, data analysis, and manuscript preparation. A Ph.D. or equivalent in a relevant field is required. The position is available immediately.

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THE CLEVELAND CLINIC FOUNDATION
NEUROPATHOLOGIST
The Cleveland Clinic Foundation is seeking a Board-certified Neuropathologist to fill a position at the Assistant to Full Staff level, with joint appointments in the Departments of Pathology and Neurosciences. Applicant must have an independent research program, and will be expected to devote 20% effort to diagnostic neuropathology. Competitive salary, generous start-up funds, and excellent opportunities for interactions with programs in the Departments of Neurology, Neurosurgery, and Neurosciences are available. Neurosciences programs at The Cleveland Clinic Foundation are undergoing a rapid growth phase, with several new Staff appointments planned in the near future. Applicant should send CV, name and fax number of three references, and brief statement of research interests to: Dr. Bruce D. Trapp, Chairman, Department of Neurosciences - NC/30, The Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, Ohio 44195. The Cleveland Clinic Foundation is an Equal Opportunity/Affirmative Action Employer.

THE CLEVELAND CLINIC FOUNDATION
NEUROSCIENCES FACULTY
Department of Neurosciences, The Cleveland Clinic Foundation Research Institute, seeks an outstanding candidate to fill a Faculty Position at the Assistant to Full Staff level. Applicant must have a Ph.D. and/or M.D., an active independent research program and utilize state-of-the-art techniques to investigate neuronal function as it relates to the pathogenesis of epilepsy. Competitive salary and generous start-up funds are available. Epilepsy programs in the Departments of Neurology and Neurosurgery are very active and provide an excellent opportunity for collaborative studies. The Department of Neurosciences is undergoing a rapid growth phase with several new Staff appointments planned in the near future. Applicants should send CV, name and fax number of 3 references, and brief statement of research interests to: Dr. Bruce D. Trapp, Chairman, Department of Neurosciences - NC/30, The Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, Ohio 44195. The Cleveland Clinic Foundation is an Equal Opportunity/Affirmative Action Employer.

SIBIA is expanding its interdisciplinary research and development on therapeutics for diseases of the central nervous system. We have established an impressive record in the development of innovative technologies integral to the field of neuroscience and the biopharmaceutical industry. We are now seeking an experienced Scientist for a critical role in drug discovery for the neuropharmaceuticals of the future!

DRUG SCREENING
You will focus on the identification of novel lead molecules based on high-throughput functional screening of compounds against recombinant brain receptors and/or ion channels. You will interact with members of our Chemistry, Neuropharmacology, Psychopharmacology and Molecular/Cell Biology Laboratories to develop new assays and pursue leads identified in the screening program. You will be responsible for management of the drug screening laboratory, strategic direction, and data analysis. A Ph.D. in Pharmacology or Chemistry with at least five years of postdoctoral experience in drug screening in an industrial setting is preferred.

Located on San Diego's beautiful La Jolla coastline, SIBIA offers not only a challenging and aesthetic environment, but also a competitive salary and benefits package. Send your C.V. with names of three references to: Lynn Alba, SIBIA, 505 Coast Blvd., South, Suite 300, La Jolla, CA 92037. EOE.
The Charles A. Dana Foundation salutes the 1994 winners of the Charles A. Dana Awards for Pioneering Achievements in Health

Philippe Ascher, Ph.D., John W. Olney, M.D., and Jeffrey C. Watkins, Ph.D.
for multidisciplinary research that has illuminated the crucial role in our brains of the neurotransmitter glutamate

Yves-Alain Barde, M.D., and Hans Thoenen, M.D.
for research that unveiled the mysteries of the neurotrophic factors that control how our nerve cells grow, survive, and even regenerate

Albert J. Hudspeth, M.D., Ph.D.
for masterful investigations of the mechanisms, physiology, and disorders of hearing, particularly the critical and intricate operation of hair cells in the inner ear

The Charles A. Dana Foundation  David Mahoney, Chairman

The Neurosciences Institute
La Jolla, California

The Neurosciences Institute (NSI) is an independent, not-for-profit organization at the forefront of research on the brain. The NSI, located on the campus of The Scripps Research Institute in La Jolla, is also the home of the Neurosciences Research Program and serves as an international meeting place for neuroscientists; Fellows have opportunities to interact with visitors from many institutions worldwide.

Junior Fellow in Experimental Neurobiology

Applications are invited for positions as Junior Fellow in Experimental Neurobiology. The NSI is beginning a research program in experimental neurobiology designed to increase understanding of brain processes at several organizational levels from the molecular to the cognitive. Research will be established in the new NSF experimental facilities in areas such as developmental, molecular, and behavioral neurobiology, neuropharmacology, neurophysiology of motor and sensory systems, cellular neurophysiology, and the physiology of sleep. Junior Fellows in Experimental Neurobiology will be expected to collaborate with newly appointed Senior Fellows in Experimental Neurobiology and to take advantage of opportunities for scientific exchanges with NSI’s Fellows in Theoretical Neurobiology.

Applicants should be at the postdoctoral level and should have backgrounds in experimental neurobiology or related areas. Positions are now available.

Fellows will receive stipends appropriate to their qualifications and experience. Candidates should send a statement of research interests, a curriculum vitae, and the names of three references to: Dr. W. Einar Gall, Research Director, The Neurosciences Institute, 3377 North Torrey Pines Court, Suite 310, La Jolla, California 92037.

The $50,000 Award honors discoveries in neuroscience that will lead or have already led to significant advances in the diagnosis, prevention, or treatment of human health problems. By making these Awards, the Charles A. Dana Foundation wishes to highlight the significant impact that research in neuroscience can have on problems that cause incalculable human suffering, demonstrate the essential interrelationship between basic research and clinical progress, and set forth the urgency of further research.

Nominations for the 1995 Awards are now solicited from the neuroscience community; the deadline for submission of nominations is January 10, 1995. Information and application packets can be obtained from The Charles A. Dana Awards for Pioneering Achievements in Health, Nominating Committee—Box S, c/o Ann Blanchard, Volen National Center for Complex Systems, Brandeis University, Waltham, MA 02254; telephone (617) 336-3141, fax (617) 336-3142, email NN@ELIZA.CC.BRANDEIS.EDU.

NATIONAL SCIENCE TEACHERS ASSOCIATION

EXECUTIVE DIRECTOR

National Science Teachers Association

The National Science Teachers Association (NSTA) is seeking a qualified individual to serve as chief executive officer. NSTA is a professional organization of 50,000 science educators served by a Headquarters staff of more than 100 in Arlington, Virginia. The Executive Director oversees an annual budget of approximately $15 million that supports programs directed at stimulating, improving, and coordinating science teaching from preschool through college.

Qualifications: Strong background in science education, including teaching experience. Candidate must demonstrate solid skills in management, communication, and negotiation; financial planning experience; and sound leadership ability. Knowledge of and experience working with the Washington, D.C. network, including both government agencies and private organizations, are desirable.

Salary and Appointment Date: Negotiable (indicate requirements).


To request the Executive Director Application, write to

Executive Director Search
National Science Teachers Association
1840 Wilson Blvd.
Arlington, VA 22201-3000

NSTA is an Equal Opportunity Employer and does not discriminate on the basis of sex, race, national origin, age, disability, or religion.
The School of Biological Sciences at the University of Manchester (Dean: Professor Mark Ferguson) is the single largest Biology Department in the United Kingdom and one of the most successful in research and teaching. Functionally administered as a Research & Graduate School (Director: Professor Keith Gull) and an Undergraduate School (Director: Professor Mike Grant), the School has excellent research programmes spanning all areas of contemporary Biology from Biomedicine to Environmental Biology. These programmes are supported by more than £35 million of external research income from all the major Research Councils, Charities and Industries. A well-developed Graduate programme spans all areas of the School and there are currently some 260 Ph.D. students together with 85 Taught MSc students. At the Undergraduate level we have a high quality annual intake of 300 students into a broad range of Biological Sciences Degree courses, in addition to Medical, Dental and Paramedical students. We have well equipped central facilities for modern Biological research including electron microscopy, bioluminescence and gene sequencing and synthesis, transgenesis, NMR, etc.

As part of our continuing development the School now seeks to appoint outstanding individuals to a number of new Lectureship positions.

**LECTURESHP IN CELL/DEVELOPMENTAL/ MOLECULAR BIOLOGY**

Applicants will be working at the molecular level on a fundamental aspect of cellular function or developmental biology. Potential for interaction exists with large groups in cell adhesion, wound healing, extracellular matrix, epithelial cell biology, cytoskeleton growth factors, gene regulation, molecular genetics and mammalian development. Contact: Professor D.R. Garrod Tel: 061 275 5243 Fax: 061 275 3915 E-Mail: David.Garrod@man.ac.uk

**LECTURESHP IN PHYSIOLOGICAL PLANT ECOLOGY/PLANT CELL BIOLOGY**

This post will bridge our existing strengths in plant ecology and plant biochemistry. We are seeking an innovative scientist interested in the interaction between plants and the environment at either the physiological or cellular level. Applications are encouraged from those working in the field of photosynthesis or signal transduction, but other areas will be given full consideration. Contact: Professor M.J. Emes Tel: 061 275 3899 Fax: 061 275 3954 E-Mail: MEmes@fs2.scg.man.ac.uk

**LECTURESHP IN NEURODEGENERATION/ MOLECULAR PHARMACOLOGY**

To build on our strengths in either molecular pharmacology or neurodegeneration, we are seeking to appoint a lecturer with an appropriate background and expertise in molecular approaches to pharmacology and/or neurodegeneration. Contact: Professor J.A. Hickman Tel: 061 275 5617 Fax: 061 275 5600 E-Mail: J.Hickman@man.ac.uk

**LECTURESHP IN BIOTECHNOLOGY**

Applicants should have expertise in modern biochemical or molecular biological techniques and be using these to study fundamental biological processes with relevance to known or potential biotechnological processes. The successful applicant will develop a vigorous research programme that will complement and build on our existing strengths in animal cell and microbial biotechnology. Contact: Dr John Rosamond Tel: 061 275 5100 Fax: 061 275 5082 E-Mail: Rosamond@fs2.scg.man.ac.uk

**LECTURESHP IN STRUCTURAL BIOLOGY**

This post will strengthen existing high quality research in biochemistry, molecular biology and macromolecular structure. Applications are sought from scientists who are using approaches involving biophysical/molecular biological techniques to address the structure and function of macromolecules/macromolecular assemblies involved in fundamental biological processes. Contact: Professor M.E. Grant Tel: 061 275 5074 Fax: 061 275 5082 E-Mail: mgrant@fs2.scg.man.ac.uk

**LECTURESHP IN ECOLOGY**

To develop our current research interests in responses of terrestrial ecosystem function and structure to environmental factors. We seek applications from both animal and plant ecologists. We are particularly keen to develop new lines of research into the cycling of nutrients and carbon between plants and soil biota. Applicants should have experience of experimental work in natural ecosystems as well as in controlled environments. Contact: Professor T. Callaghan Tel: 061 275 3877 Fax: 061 275 3938 E-Mail: Arctic@man.ac.uk

**LECTURESHP IN BIOINFOMATICS**

To enhance existing resources in Bioinformatics and Computational Molecular Biology we seek to develop new lines of research within the broad areas of sequence and genome data analysis. Contact: Dr Andy Brass Tel: 061 275 5050 Fax: 061 275 5082 E-Mail: ABrass@man.ac.uk

**LECTURESHP IN MOLECULAR GERONTOLOGY**

This post will build on our existing strengths in biological ageing research and develop new lines of investigation into the molecular mechanisms influencing lifespan and/or age-related disease. Age research is a major theme in the University and applications from individuals with a strong record in any relevant area are invited. Contact: Professor Tom Kirkwood Tel: 061 275 6851 Fax: 061 275 5654 E-Mail: Tom.Kirkwood@man.ac.uk

**LECTURESHP IN INTEGRATIVE BIOLOGY**

The purpose of this post is to investigate how genes, proteins, carbohydrates etc. interact to produce function at the tissue or whole animal level. We therefore seek applications from any biological discipline (physiology, pharmacology, anatomy, zoology, etc.) providing that the individual will investigate tissue, systems or whole animal biology using relevant genetic, molecular or cellular approaches. Contact: Professor Maynard Case Tel: 061 275 5406 Fax: 061 275 5606 E-Mail: rmcase@man.ac.uk

**LECTURESHP IN MOLECULAR CELL PHYSIOLOGY**

Applicants will be expected to develop a research programme which combines patch-clamp and molecular techniques to investigate aspects of membrane transport. Contact: Professor Maynard Case Tel: 061 275 5406 Fax: 061 275 5606 E-Mail: rmcase@man.ac.uk

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For application forms, further particulars and an information pack covering all of the posts in this major new development, prospective applicants should contact: The Director of Personnel, Academic Staffing Office, The University of Manchester, M13 9PL (tel. 061 275 2028 fax. 061 273 5306). Quote reference 376/94. (Enquiries by e-mail to The Dean's Secretary: Sheila.Long@man.ac.uk). Informal enquiries concerning individual posts may be made to the contact persons listed who will be happy to discuss the opportunities in more detail and to arrange for informal visits, etc.

The full range of the lecturer salary scale is £14,756 - £25,735 p.a. The starting salary in each case will take account of qualifications and experience.

Closing date for receipt of applications for any of these posts is Friday, 2nd December 1994.

As an Equal Opportunities Employer, the University welcomes applications from suitably qualified people from all sections of the community regardless of race, religion, gender or disability.
PURCHASE COLLEGE - STATE UNIVERSITY OF NEW YORK
VICE PRESIDENT FOR ACADEMIC AFFAIRS

Purchase College, incorporating a School of the Arts and a College of Letters & Sciences, offers conserva-
tory training in dance, music, theatre arts and film, and the visual arts, and distinguished liberal arts programs in
the humanities, natural, and social sciences. Its prestigious faculty is composed of scholars and artists.
The College maintains a major commitment to the community through its Division of Continuing Education.
Purchase is also a major cultural center with a celebrated architectural design. Its extraordinary
Performing Arts Center and its renowned Neuberger Museum of Art are among the finest in the nation.
The College enrolls approximately 4,000 students, with 1,700 in residence, and is located on 500 acres in
Westchester County, 30 miles north of New York City.
The Vice President for Academic Affairs is the College's chief academic officer, reporting directly to
the President. The Vice President's responsibilities include facilitating the development and implementation of
academic policies and programs, oversight of the faculty evaluation and promotion process, budget formu-
lization and supervision of student and instructional support services. The following officers report to the
Vice President: the Deans of all Divisions; the Director of the Library, the Museum and the Performing Arts
Center; as well as the Directors of Admissions, the Educational Opportunity Program, Institutional
Research and the Registrar.

Candidates must have an earned doctorate or equivalent and successful administrative experience in an
academic setting, demonstrating the knowledge, skills, and leadership ability to meet the responsibilities of
the position. They must also have a record of scholarly and professional accomplishment, a strong com-
nitment to diversity in all aspects of college life, and a demonstrated capacity to be an effective
spokesperson for an academic community.
The salary is competitive. Women and minorities are strongly encouraged to apply. The starting date is
July 1, 1995. We strongly urge interested parties to respond by December 2, 1994. Review of applications
and nominations begins immediately. Candidates should send a vita, a letter of interest, supporting materi-
al as appropriate, and the names and addresses of five references. Nominations should include the
addresses and telephone numbers of nominees. Applications and nominations should be sent to:

Dr. John R. Howard, Chair
Search Committee, Vice President for Academic Affairs
Purchase College, State University of New York
Purchase, NY 10577

COBY COLLEGE

Plant Ecologist

Colby College is seeking a Plant Ecologist to fill a temporary, one-year position as
Assistant Professor of Biology to begin September, 1995. Candidates should have a Ph.D.
and a strong commitment to undergraduate education. Applicants should have broad
training in ecology and botany. Teaching assignments will include the plant science com-
ponent of introductory biology, an additional course in plant biology, and team-teaching
courses in introductory and advanced ecology. Familiarity with liberal arts colleges, teach-
ing experience, and/or post-doctoral training are desirable.

Organismal Biologist

Colby College is seeking an Organismal Biologist to fill a temporary, one-year position as
Assistant Professor of Biology to begin September, 1995. Candidates should have a Ph.D.
and a strong commitment to undergraduate education. Applicants should have broad training
in animal biology with an emphasis in marine environments. Teaching assignments will
include three courses in the candidate's discipline (e.g., invertebrate or vertebrate biology,
introduction to marine biology) and team-teaching a senior project course. Familiarity with
liberal arts colleges, teaching experience, and/or post-doctoral training are desirable.

Please submit a letter of application, statement of teaching and research interests (includ-
ing courses you would like to teach at Colby), curriculum vitae, reprints of publications,
and three letters of recommendation to: Plant Ecologist Search or Organismal Biologist
Search, Department of Biology, Colby College, Waterville, Maine, 04901. Application
review will begin after December 15, 1994, and continue until the position is filled. Colby
College is an Affirmative Action/Equal Opportunity Employer, and encourages applica-
tions from minorities and women.

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF PHYSICS

Engineer (Technical Director of Laboratories)
The current academic interests of the Department of Physics of the Hong Kong University of
Science and Technology mainly focus on optical and condensed matter, and materials
physics. The Engineer (Technical Director of Laboratories) is a senior post in the Depart-
ment. He/She will be responsible for the super-
vision of departmental technical staff, co-ordi-
nation of repair, maintenance, procurement of
teaching and research instruments, manage-
ment of laboratory facilities, and monitoring of
fire and safety issues in the department.

Applicants should have a relevant degree and at
least 6 years' post-qualification experience in an
academic, industrial or a national research lab-
oratory. Knowledge of cryogenics is desirable.
A competitive annual salary of approximately
US$92,900 to US$100,000 (HK$707,800 to
US$779,200) will be offered to the suitable applicant depending on qualifications and experience. Generous fringe
benefits including medical and dental benefits, annual leave, and children's education allow-
ances are provided; housing benefit and air pas-
sages are also provided where applicable. Initial
appointment will be on a 3-year contract; a
gratuity of 25% of the basic monthly salary will be payable upon successful completion of contract.
Re-appointment after the initial contact will be subject to mutual agreement.
Applications together with a curriculum vitae and the names and addresses of three referees
should be sent to the Personnel Office, The
Hong Kong University of Science and Tech-
ology, Clear Water Bay, Kowloon, Hong
Kong (Fax: (852) 358 0700) in duplicate before
31 December 1994.

Cognitive Neuroscience

McDonnell-Pew Investigator-Initiated Grants

The McDonnell-Pew Program in Cognitive Neuroscience is accepting proposals from individuals
pursuing innovative, multi-disciplinary research investigating the relationship between human cognitive
function and the underlying brain mechanisms.

Individuals currently receiving support from McDonnell-
Pew Centers are not eligible to apply for Investigator-
Initiated Grants. Individuals at institutions with
McDonnell-Pew Centers but who do not receive any
support from the Center are eligible to apply for the grants.

Preference will be given to projects that include input from two or more of the disciplines contributing to
cognitive neuroscience: clinical and basic neuro-
sience, psychology, computer science, linguistics
and philosophy.

The grants provide a maximum of $35,000/year for up to
3 years. An institutional overhead of 10% total
salary and fringe benefits may be requested but must
be included in the $35,000/year maximum. The funds
may be used to support research, post-doctoral train-
ing or to provide seed money for senior investigators
exploring new research directions. Proposals estab-
lishing interdisciplinary and/or inter-institutional
collaborations are encouraged. Requests for funds to
support graduate student thesis research will not be
accepted.


To request further information and application guide-
lines contact: Susan M. Fitzpatrick, Ph.D., Program
Officer, McDonnell-Pew Program in Cognitive
Neuroscience, James S. McDonnell Foundation, 1034
South Brentwood Boulevard, Suite 1610, St. Louis,
Missouri 63117, Phone: 314-721-1022, Fax: 314-721-
7421, e-mail: CB681CINWU@VIVIAN.WUSTL.EDU

Gordon College

Plant Ecologist

Colby College is seeking a Plant Ecologist to fill a temporary, one-year position as
Assistant Professor of Biology to begin September, 1995. Candidates should have a Ph.D.
and a strong commitment to undergraduate education. Applicants should have broad
training in ecology and botany. Teaching assignments will include the plant science com-
ponent of introductory biology, an additional course in plant biology, and team-teaching
courses in introductory and advanced ecology. Familiarity with liberal arts colleges, teach-
ing experience, and/or post-doctoral training are desirable.

Organismal Biologist

Colby College is seeking an Organismal Biologist to fill a temporary, one-year position as
Assistant Professor of Biology to begin September, 1995. Candidates should have a Ph.D.
and a strong commitment to undergraduate education. Applicants should have broad training
in animal biology with an emphasis in marine environments. Teaching assignments will
include three courses in the candidate's discipline (e.g., invertebrate or vertebrate biology,
introduction to marine biology) and team-teaching a senior project course. Familiarity with
liberal arts colleges, teaching experience, and/or post-doctoral training are desirable.

Please submit a letter of application, statement of teaching and research interests (includ-
ing courses you would like to teach at Colby), curriculum vitae, reprints of publications,
and three letters of recommendation to: Plant Ecologist Search or Organismal Biologist
Search, Department of Biology, Colby College, Waterville, Maine, 04901. Application
review will begin after December 15, 1994, and continue until the position is filled. Colby
College is an Affirmative Action/Equal Opportunity Employer, and encourages applica-
tions from minorities and women.

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF PHYSICS

Engineer (Technical Director of Laboratories)
The current academic interests of the Department of Physics of the Hong Kong University of
Science and Technology mainly focus on optical and condensed matter, and materials
physics. The Engineer (Technical Director of Laboratories) is a senior post in the Depart-
ment. He/She will be responsible for the super-
vision of departmental technical staff, co-ordi-
nation of repair, maintenance, procurement of
teaching and research instruments, manage-
ment of laboratory facilities, and monitoring of
fire and safety issues in the department.

Applicants should have a relevant degree and at
least 6 years' post-qualification experience in an
academic, industrial or a national research lab-
oratory. Knowledge of cryogenics is desirable.
A competitive annual salary of approximately
US$92,900 to US$100,000 (HK$707,800 to
US$779,200) will be offered to the suitable applicant depending on qualifications and experience. Generous fringe
benefits including medical and dental benefits, annual leave, and children's education allow-
ances are provided; housing benefit and air pas-
sages are also provided where applicable. Initial
appointment will be on a 3-year contract; a
gratuity of 25% of the basic monthly salary will be payable upon successful completion of contract. Re-appointment after the initial contact will be subject to mutual agreement.
Applications together with a curriculum vitae and the names and addresses of three referees
should be sent to the Personnel Office, The
Hong Kong University of Science and Tech-
ology, Clear Water Bay, Kowloon, Hong
Kong (Fax: (852) 358 0700) in duplicate before
31 December 1994.
VACANCY ANNOUNCEMENT

NATIONAL CENTER FOR RESEARCH RESOURCES

NATIONAL INSTITUTES OF HEALTH

POSITION AVAILABLE

The Comparative Medicine Program (CMP) of the National Center for Research Resources (NCRR), National Institutes of Health (NIH) is currently inviting applications for the position of Health Science Administrator/Veterinary Medical Officer. The position is located in the Comparative Medicine Program which administers three extramural research resources programs: the Regional Primate Research Centers Program, the Laboratory Animal Sciences Program, and the AIDS Animal Models Program. The CMP is responsible for the overall planning, coordination and implementation of policies and procedures for laboratory animal resources and animal model programs which support vital resources and facilities for the research programs of medical and health-related institutions. These programs involve a great variety of health research and scientific disciplines at universities; hospitals; medical; veterinary; dental schools; and clinical and non-profit research institutions. Incumbent provides technical leadership and scientific guidance in the planning, development, evaluation, and administration of resource grants and contracts for the Laboratory Animal Sciences Program, CMP. Performs major professional functions, including (1) negotiates with officials of the nation’s universities and research institutions (30%); (2) interprets policies and procedures (30%); (3) identifies research animal resource needs (10%); (4) advises grant officials concerning the development of plans for research animal resources (10%); and (5) performs various other related scientific and administrative functions described below, including participation with senior scientists, department officials, and academic deans in the development research resource programs involving inter-university and institutional programs (20%). Incumbent is required to have knowledge of laboratory animals and comparative pathology. The incumbent cooperates with grantee officials and/or other NIH institutes, centers, and divisions in the review processes and negotiations of laboratory animal research resource grants. The salary range for a GS-13 is $49,947 to $64,928 per year and for the GS-14 is $59,022 to $76,733 (includes 4.23% locality pay).

APPLICATION FOR FEDERAL EMPLOYMENT (SF-171) and response to the Knowledges, Skills and Abilities (KSA'S) must be submitted to apply for this position by close of business 12-5-94. This position is included in the Federal Equal Opportunity Recruitment Program (FEORP) and is therefore targeted for EEO recruitment efforts.

Further information and qualification requirements can be obtained by contacting:

Mr. Sean L. Stroud
NCRR/Personnel Office
Building 31, Room 3B38
31 CENTER DR MSC 2130
BETHESDA, MD 20892-2130
Telephone: (301) 496-1524
Fax: (301) 402-2110

NIH is an Equal Opportunity Employer

For Over A Century, We’ve Created The Future In Pharmaceuticals.

Since 1888, Abbott Laboratories has been at the forefront of drug discovery. Our breakthrough products have changed the face of modern health care—and made us a globally recognized leader in pharmaceuticals. Now, you could be part of the future success of our Pharmaceutical Products Division.

BIOCHEMIST/ CELLULAR BIOLOGIST

Working with a team of chemists and biologists, you will be involved in the area of cytokine biology related to inflammation. We require a PhD and 2+ years pharmaceutical industry experience with an interest in drug discovery. Experience with protein purification, cell culture, enzymology, assay development, data handling, and molecular biology techniques is desired. Reply to Alison Burke, Job# DM74086.

MANAGER-CHEMICAL INFORMATION SCIENCE

You will direct the development of chemical information systems for application in our Pharmaceutical Products Division Research and Development. These systems are used in R&D programs involving chemical diversity, new lead discovery, chemical modeling, laboratory information, inventory, and expert classification. You will supervise the efforts of 5 professional staff (some at the PhD level) devoted to chemical information systems development, administration and support.

This position requires a PhD in Chemistry along with 2+ years of project leadership experience. In addition, we require 4 years of scientific software development experience in chemical modeling, chemical information systems, or a related field. Reply to Linda DeLavallade, Job# 69074.

Abbott provides an excellent salary and benefits package including profit sharing and a stock retirement plan. We are located in an attractive suburban area, approximately 30 miles north of Chicago. For confidential consideration, please send a resume and salary history (indicating appropriate response name and job #) to: D-583, AP6B, Abbott Laboratories, One Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer/Smoke-Free Environment.

ABBOTT LABORATORIES

Experience The Abbott Edge.
Darwin Molecular Corporation, a growing, information intensive biotechnology company is seeking outstanding Scientists experienced in applying organic chemistry to research projects addressing important biological problems. The company's technical focus is on the acquisition and use of DNA sequence information to identify and select targets for drug discovery via molecular evolution. Darwin's initial therapeutic focus is on autoimmune disease, AIDS, and cancer. We are seeking Scientists with solid backgrounds in synthetic organic chemistry interested in using their talents as a member of an interdisciplinary team. The individuals will play a key role in discovering lead compounds in a variety of therapeutic areas. Experience in enzymology or protein structure/function is a plus. A personal commitment to high quality drug discovery and strong interpersonal skills are necessary to function as part of a highly interactive team. Ph.D. and preferably 2 years of postdoctoral experience are required.

Darwin Molecular Corporation offers competitive salaries, benefits and an equity participation program. Our company's start-up environment is ideal for self-motivated, innovative employees who are eager to grow with us. Our scenic location just north of Seattle is ideal for those who enjoy a relaxed environment just minutes from the city.

To apply, please send curriculum vitae to: Human Resources SCI111194CH, Darwin Molecular Corporation, 1631 220th Ave. S.E., Bothell, WA 98021.
EXECUTIVE DIRECTOR
Scientific & Engineering Personnel

The National Research Council (NRC), the principle operating arm of the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine, a national non-profit, non-government organization located in Washington, D.C., invites applicants for the position of Executive Director for its Office of Scientific and Engineering Personnel (OSEP). The incumbent plans and oversees a broad range of programs concerned with the effective development and utilization of scientific and engineering personnel and with methodologies for assessing current and projected employment demand and personnel supply of scientific and engineering talent. The analytic programs have grown in relative importance and the incumbent is expected to oversee continued expansion as policy makers confront important human resource issues, including planning and development of new study activities concerned with graduate education, postdoctoral training, and utilization of scientific and engineering personnel. Given the cross-cutting nature of the program, the incumbent is also expected to coordinate and work closely with the other major units of the NRC and with related programs in other organizations.

The Executive Director in cooperation with the OSEP Chairman and Executive Board, manages OSEP as one of nine major program units of the NRC, including all scientific, financial, and administrative operations of the unit. The incumbent directs, administers, and reviews operational and analytic programs; oversees the development of funding and budgets; oversees national and international fellowship and association programs; and supervises approximately 40 professionals and 45 support staff.

Applications should have the following qualifications: Ph.D. or equivalent, preferably with a broad policy-analytic background and demonstrated achievement in areas related to graduate education and/or human resource policy with respect to scientific and engineering personnel, including issues involving education/training, utilization, and labor market conditions. Familiarity with science policy issues, statistical methodology and data bases that provide information about human resource, and graduate education issues is also desirable. At least ten years of experience related to (1) national resources of scientific and engineering personnel with advanced degrees; and (2) management of larger peer reviewed programs such as postdoctoral fellowship and associateship programs required. Substantial leadership experience in related positions with responsibility for program development, policy analysis, and policy information is required. Familiarity with government agencies, including contract/grant procedures, and institutions of higher education is essential.

Please send resume in confidence to:
National Research Council
Human Resources, GR 146 (OSEP/ED-SC)
2101 Constitution Avenue, NW
Washington, DC 20418
An Equal Opportunity Employer

THE UNIVERSITY OF THE WEST INDIES
St. Augustine, Trinidad

Applications are invited for the following vacancy in the Faculty of Medical Sciences:

PROFESSOR OF ANATOMY
School of Medicine

Applicants should have a PhD in Anatomy, a good research record and substantial experience in teaching two or more Anatomical disciplines.

ANNUAL SALARY RANGE
Medical: Professor TT$134,592 - TT$151,968. An Institutional Allowance ranging from 10% to 30% of basic salary depending on post also payable. Special Allowance Per Annum: Professor TT$7,800.

Passages, Pension, Housing Allowance, Study and Travel and Book Grants. Applications naming three referees and detailing qualifications and experience should be sent to the Registrar, University of the West Indies, St. Augustine, Trinidad and Tobago as soon as possible. Further particulars sent to all applicants; these are also available from Appointments (43370), Association of Commonwealth Universities, 36 Gordon Square, London WC1H 0PF, UK (tel. 071 387 8572 ext. 206; fax 071 383 0368).

THE OHIO STATE UNIVERSITY
Columbus, OH

Distinguished Graduate Research Fellowships in Molecular Life Sciences at The Ohio State University

The Ohio State University is undertaking a major initiative in Molecular Life Sciences Research that will include the creation of new faculty hires in the next six years. As part of this initiative, the University is supplementing its present graduate programs with a Distinguished Fellowship Program in Molecular Life Sciences. These competitive Fellowships will carry a stipend of $16,000 per year plus full tuition authorization. The Molecular Life Sciences Graduate Fellows will enroll in one of the Departmental or Interdepartmental Graduate Programs in the Colleges of Medicine, Biological Sciences, Pharmacy, Veterinary Medicine, Mathematical and Physical Sciences, or Food, Agricultural and Environmental Sciences. The graduate programs encompass the full range of basic and applied Molecular Life Sciences Research. Research facilities on campus are excellent and include the Comprehensive Cancer Center, Biotechnology Center, and Retrovirology Center. The Molecular Life Sciences Graduate Fellowship Program currently offers approximately 120 positions available on a competitive basis. Further information can be obtained from the Molecular Life Sciences Office, Molecular Animal Physiology, University of Michigan, Arbor, MI 48109-1048.

The University of Michigan is an Equal Opportunity/Affirmative Action Employer. Women, minorities, Vietnam era veterans, disabled veterans and individuals with disabilities are encouraged to apply.

Chair, Molecular Physiology Search Committee
Department of Biology
University of Michigan
Ann Arbor, MI 48109-1048
THE NATIONAL RESEARCH COUNCIL
announces
Resident Research Associateship Awards
to be offered in the study of
Oxygen Toxicity
at the
Naval Medical Research Institute
Bethesda, MD

The National Research Council (NRC) is accepting applications for four award competitions in 1995 for Postdoctoral and Senior Research Associateships at the Naval Medical Research Institute, Bethesda, Maryland.

Research opportunities include:

NEUROSCIENTIST:
Opportunity to study basic mechanisms of seizures induced by exposure to hyperbaric oxygen.
Contact: Andrea Harabin, Ph.D.

Each NRC awardee will work in one of the above project areas as a guest investigator at the Naval Medical Research Institute. Annual stipend for recent Ph.D. recipients is $32,000 and is appropriately higher for senior researchers. Each award is for one year renewable to a maximum of three. Support is provided for relocation and limited professional travel, and a health insurance program is offered.

For further information on research opportunities, contact directly, by mail or fax, one of the individuals listed above at:
National Naval Medical Center
NAVAL MEDICAL RESEARCH INSTITUTE, Code 51
Bethesda, Maryland 20889-5607
FAX: 301/295-0782

Applications, submitted directly to the NRC, are accepted on a continuous basis throughout the year. Those postmarked by:
- January 15, will be reviewed in February; by April 15, in June;
- and by August 15, in October.

FOR APPLICATION MATERIALS CONTACT:
National Research Council
The Associateship Programs (T2-2094NN)
2101 Constitution Avenue, NW
Washington, DC 20418
FAX: (202) 334-2759

The University Herbarium and the Department of Biology seek to fill a joint tenure-track position in molecular plant systematics at the level of Assistant Curator/Assistant Professor, although applications from candidates at all ranks will be considered. We especially seek applicants with broad training in plant systematics and expertise in molecular and other modern methods for investigating the phylogenetic systematics of vascular plants. The successful candidate also must be qualified to teach undergraduate and graduate courses in biology and plant evolution and systematics, as well as curate in the Herbarium. Candidates must have a Ph.D. in Biology, Botany or Plant Sciences, and post-doctoral or comparable experience. Applications should include a curriculum vitae, a statement of teaching and research interests, and reprints of significant publications. Send these materials and arrange to have three letters of recommendation sent directly to:

Search Committee Chair
University of Michigan Herbarium
North University Building
Ann Arbor, MI 48109-1057

Deadline for receipt of application materials is January 6, 1995.

The starting date for the position is September 1, 1995.

The University of Michigan is an Affirmative Action, Equal Opportunity Employer.

MOLECULAR PLANT SYSTEMATICS
University of Michigan

The Department of Anatomy has new leadership; significant growth is underway in the area of neurobiology. Our focus is on the development, organization and function of neural networks. New full-time tenure-track faculty will be recruited in these areas. Positions are primarily at the Assistant Professor level, but exceptional candidates at any level will be considered. Salary is dependent upon qualifications and experience.

The Department will move into new laboratories in the summer of 1995. There will be a significant increase in research resources, including core laboratories in neurohistology, molecular biology, tissue culture, imaging, and neurophysiology.

Successful candidates will have a Ph.D. or equivalent, outstanding ability in teaching, and exceptional achievement in their field of research, including the potential to attract external funding. They will be expected to develop independent research programs and to participate in graduate and medical school teaching. We are particularly interested in candidates whose research interests supplement our existing strengths and who can establish collaborative research programs.

For best consideration, applications should be received before Dec. 1, 1994. Applicants should send a C.V., a summary of research accomplishments, a description of future plans, and the names of 3 - 5 individuals from whom recommendations may be obtained to:

Dr. David V. Smith
Chair, Faculty Search Committee
Department of Anatomy
University of Maryland School of Medicine
635 West Baltimore Street
Baltimore, MD 21201-1559

Our Department is eager to diversify its faculty and we especially encourage women and minorities to apply. The University of Maryland is an AA/EOE/ADA employer.

Laboratory Director

A position is open for a Director of Parentage Testing. This highly visible position entails scientific direction and management of a national testing laboratory and direction of related product development. An M.D. or Ph.D. with expertise in DNA-based testing is required. Experience in paternity testing, genetics, statistics, and laboratory management preferred. Excellent communication skills essential.

The Blood Center of Southeastern Wisconsin, Inc., is a non-profit service organization which offers specialized laboratory services on a regional and national level and is recognized internationally as a leader in blood-related research. The Blood Center provides all of the blood and blood components used by patients in 29 southeastern Wisconsin hospitals.

The Blood Center of Southeastern Wisconsin offers an excellent wage and benefit package. Send curriculum vitae and names and addresses of three references to:

The Blood Center of Southeastern Wisconsin
Attn: Debra Endean, Ph.D.
1701 W. Wisconsin Ave.
Milwaukee, WI 53233

Equal Opportunity Employer
Smoke-free Workplace
M/F/H/V

Iowa State University of Science and Technology (ISU) is seeking an outstanding individual with strong research and national laboratory management experience for the directorship of the Ames Laboratory. The laboratory was established in 1947 and is operated by ISU for the U.S. Department of Energy (DOE). Located on ISU campus, the laboratory is closely integrated with the research activities of many academic departments and maintains a strong tradition of excellence in fundamental materials sciences, chemistry, engineering, applied mathematics and related disciplines. Laboratory programs focus on the science base for energy production and use, with strong efforts also in advanced computing and environmental management. The Director is ultimately responsible for the quality, development and leadership of these programs in accordance with evolving DOE missions and budgets. Laboratory funding is over $35M in FY94, and staffing includes about 725 employees.

Candidates should have demonstrated significant personal accomplishment in research and have successful program development and management experience at a major research organization. Federal laboratory experience, particularly with DOE, is strongly preferred. Special emphasis will be placed on evidence of the ability to manage change and to focus programs in response to the national research agenda and the evolving missions of DOE, including initiatives contributing to economic development and environmental protection.

Applications should be sent to Dr. Robert Anderson, Chair, Ames Laboratory Director Search Committee, c/o 127 Stepping Hall, Iowa State University, Ames, Iowa 50011. Review of nominations and applications will begin on January 15, 1995. Iowa State University is an equal opportunity/affirmative action employer. Minorities, women, and members of other protected classes are encouraged to apply.
Molecular Devices Corporation offers a limited number of equipment grants to academic institutions performing basic research in mammalian cell biology. The purpose of this program is to offer research scientists the opportunity to make novel discoveries using a Cytosensor® Microphysiometer System, with the ultimate goal of publication.

Briefly, the Cytosensor System is the latest tool for studying the physiological consequences of receptor activation; it has been shown to be particularly useful for drug discovery and signal transduction research. The System can monitor receptor-mediated responses from living cells in minutes, providing functional dose responses in just a few hours. Receptor activation can be studied even without previous knowledge of the signal transduction pathway.

For a comprehensive information package including guidelines for grant submittal, scientific publications, Application Notes, Technical Bulletins and a Reference Guide please contact:

Molecular Devices Corp.  
1311 Orleans Drive  
Sunnyvale, CA 94089  
PH: (408) 747-1700  
FX: (408) 747-3602

Deadline for Grant Submission is December 31, 1994
SOIL SCIENTIST (PHOSPHORUS)

The Agricultural Research Service, USDA, University Park, Pennsylvania, has an immediate opening for a full-time SOIL SCIENTIST to lead research to define and manage the critical factors controlling P losses from fields, landscapes, and watersheds, and to develop and conduct research on soil factors controlling these P losses. Demonstrated experience required in: 1) formally leading research projects; and 2) publication record, with emphasis on the chemical aspects of cycling or controlling pollutants. U.S. citizen; have a degree in Soil Science or related discipline that included 80 semester hours in biological, physical or earth science and 15 semester hours in soil chemistry, soil physics, and soil fertility; have knowledge of the phosphorus-water-soil-sediment-plant system; and the ability to design, plan, and conduct research and publish results. Salary commensurate with experience ($49,401 to $68,667 per year). For copy of the position description call Joni Jordan at 814-863-0939 or FAX: 814-863-0935. For application package call Angela Canterini at 301-344-1920. Incomplete applications will not be considered. Applications in response to this advertisement must be marked S5003 and mailed by December 23, 1994.

USDA/ARS is an Equal Opportunity Employer.

USDA Agricultural Research Service announces an Interdisciplinary: SUPPORT SCIENTIST position for a Genetist, Horticulturist, or Plant Molecular Biologist. This is a term appointment not to exceed four years. The assigned duty station is Walt Disney World, EPcot Center, Orlando, Florida. Research will focus on development of a system for transforming peach shoot meristems with modified fruit ripening gene for production of an edible, nutritious product aimed at genetic improvement of peach. The incumbent will be required to present research results to both the scientific community and the public. The position requires knowledge of plant or animal genetic engineering and plant tissue culture techniques. Salary range: $28,048 to $34,602 commensurate with experience. For information on application procedures, contact Janie Carr, PD, at 301-344-4569. For project information contact Dr. Ralph Scorzla, USDA,ARS, AFSR at 304-725-3451. Applications should be marked S5003, and must be postmarked by November 30, 1994. Mailing Address: USDA, ARS, POB/NS, 6305 Ivy Lane, Room 328, Greenbelt, MD 20770-1435. An Equal Opportunity Employer.

APOPTOSIS RESEARCH

RESEARCH ASSOCIATE POSITION is available in the Molecular Urology Laboratory for studies of the genetic changes which accompany human prostate cancer development and progression for the formulation of genetic approaches to enhance apoptosis of prostate cancer cells. Strict requirements include a graduate degree in the basic sciences and authoritative experience with recombinant DNA methods and nucleic acid analysis. Experience with other techniques such as immunochemistry, Western blot analysis, in situ hybridization and/or antisense oligonucleotide suppression of gene activity also preferred. Salary range commensurate with expertise. Send curriculum vitae, statement of interest and three letters of reference by December 31, 1994, to: Dr. Ralph Buttyn, Director, Molecular Urology, Columbia University College of Physicians and Surgeons, 630 W. 168th Street, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

ELECTROPHYSIOLOGIST: Position available for electrophysiologist (M.S. or Ph.D.) to join ongoing research program, focusing on calcium-mediated injury and nerve protection in optic nerve. Experience with electrophysiology and computer data acquisition is essential. Excellent opportunity to work with multidisciplinary group. Send curriculum vitae, statement of interest and three letters of reference by December 31, 1994, to: Stephen G. Waxman, M.D., Ph.D., or Bruce Ransoms, M.D., Ph.D., Department of Neurology, Yale School of Medicine, P.O. Box 208018, New Haven, CT 06520-8018. Yale University is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE DIRECTOR FOR RESEARCH

Little Rock Geriatric Research Education and Clinical Center

The Departments of Biochemistry, Molecular Biology and Medicine at the University of Arkansas for Medical Sciences and the VA Hospital are searching for an internationally known Ph.D. or M.D. SCIENTIST to head an existing, highly productive research group in molecular aspects of aging. The successful candidate will have a funded, tenured professorship in the Department of Biochemistry and Molecular Biology, or Medicine, and will occupy about 2,500 square feet of laboratory space. Excellent local availability and support for the laboratories and support laboratory personnel. We seek an individual with demonstrated excellence in areas of cell function relating to aging or age dependent diseases, such as cancer, Alzheimer's, or osteoporosis. Individuals with expertise in the regulation of gene expression, signal transduction, cell cycle regulation or glycolipid metabolism, are encouraged to apply. Send applications by January 15, 1995, including a résumé and names and addresses of three to five references to: Dr. Alan Elbein, University of Arkansas for Medical Sciences, Biochemistry and Molecular Biology, 4301 West Markham, Slot 516, Little Rock, AR 72205. The VA and University of Arkansas for Medical Sciences are Equal Opportunity Employers.

CLIMATE MODELLING—GLOBAL CHANGE RESEARCH

The Bermuda Biological Station for Research (BBSR) is requesting applications from active, motivated scientists with expertise in climate modeling and global change research and interests in medium-to-long range climate forecasting and the effects of global climate change on time-scales of years to decades. He or she must be eager to develop independent research programs from extramural funds. The successful candidate will also play a key role in a new program to evaluate the societal and business relevance of current and future scientific prediction capabilities. The position is open at the ASSISTANT, ASSOCIATE or SENIOR SCIENTIST level. The proven ability to raise extramural funding is an asset. Interested scientists should send an application letter and a curriculum vitae by 15 December 1994 to: Dr Anthony Knap, Atlantic Global Change Institute, Bermuda Biological Station for Research, Ferry Reach, St. George’s, Bermuda. Telephone: 809-297-1880; Email: knap@bbsr.edu. BBSR is an Equal Opportunity Employer.

SCIENTIST/PHYSICIAN/EDUCATOR

Noncommercial biomedical corporation near San Francisco needs full-time employee to develop and present seminars to medical professionals. Employer wants seminars on: nutrition; women’s health issues; pharmacology; brain science; genetics; dermatology; and mental health. Applicant must have doctoral degree in an appropriate scientific discipline, publications, clinical experience, and excellent speaking skills. Salary range: $35,000 to $100,000 per year. Applicant must be willing to travel in the United States and lecture two to three times a week. Please submit cover letter, résumé, and list of suitable lecture topics. Application: Biomed International, 5801 Christie Avenue, Suite 400, Emeryville, CA 94608.

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