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POSITIONS OPEN

BIOCHEMIST

The Department of Cell Biology at the Medical University of South Carolina is seeking a senior-level, tenure-track faculty member (ASSOCIATE or full Professor). Interested candidates must have a strong record of accomplishment in the area of protein–protein interaction and intracellular signaling of polyamines in bacterial and eukaryotic expression systems. Individuals must be willing to establish collaborations with Departmental colleagues and in the Cancer Research Center. A major area of interest is in the structure and function of extracellular matrix, especially as a mediator of extracellular signals. Previous records of funding are expected. This research program is essential. Excellent new laboratory space and core equipment facilities are in place. Teaching is required in the medical and/or graduate curriculum. Highly competitive salaries and start-up packages are available. Send curriculum vitae and a list of three references to: Charles Little, Ph.D., Department of Cell Biology, Medical University of South Carolina, 171 Ashley Avenue, Basic Science Building, Charleston, SC 29425-2204. An Equal Opportunity/Affirmative Action Employer. Women and minority persons are encouraged to apply.

FACULTY POSITION IN MICROBIAL PATHOGENESIS

The Department of Microbiology and Immunology at the Medical University of South Carolina, College of Medicine, invites applications for tenure-track positions at the ASSOCIATE/ASSOCIATE PROFESSOR level. Applicants should have relevant doctoral degree and background in the area of microbial pathogenesis. Successful candidates will participate in the teaching of graduate and undergraduate students and will undertake a vigorous independent research program relevant to microbial pathogenesis. Applicants should send curriculum vitae, a brief summary of ongoing research interests and future research plans, and the names of three references to: Gabriel Virella, M.D., Professor, Department of Microbiology and Immunology, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425. Resumes due by October 1, 1994. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSORSHIP IN ORGANIC CHEMISTRY

PRINCETON UNIVERSITY

The Department of Chemistry at Princeton University invites applications for an ASSISTANT PROFESSORSHIP from individuals whose research interests are in inorganic chemistry, broadly defined. Application should include a description of research interests, a curriculum vitae, and three letters of recommendation, and should be sent by November 15, 1994. Send inquiries and applications to the Chair, Inorganic Chemistry Recruiting Committee, Department of Chemistry, Princeton University, Princeton, NJ 08544. Princeton University is an Equal Employment Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR OF PHARMACOLOGY AND TOXICOLOGY

The University of North Dakota School of Medicine invites applications for a tenure-track (12-month) position at the rank of ASSISTANT OR ASSOCIATE PROFESSOR OF PHARMACOLOGY AND TOXICOLOGY. Applicants should have a Ph.D. in pharmacology, toxicology, or related area and be Board-eligible/Board-certified by the American Board of Toxicology. A major responsibility for the position is to provide supervision, consultation, and service to the North Dakota State Department of Health and Consolidated Laboratories related to alcohol measurement and intoxication, and in the general area of environmental health and risk assessment. Applicants should show potential for the development of a strong, extramurally funded research program in toxicology. In addition to a complete curriculum vitae, applications should include a letter addressing faculty rank requested, research goals, and experience in toxicology. Three letters of recommendation should be arranged by the candidate. Review of completed applications will begin September 1, 1994 and continue until a position is filled. Submit applications to: Dr. David W. Hein, Chairman, Department of Pharmacology and Toxicology, University of North Dakota School of Medicine, 801 North Columbia Road, Grand Forks, ND 58202-9037. The University of North Dakota is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CELL BIOLOGIST

ASSISTANT PROFESSOR OF MOLECULAR AND CELLULAR BIOLOGY—The Division of Biological Sciences, University of California, Davis, invites applications and nominations for an Assistant Professor of Molecular and Cellular Biology. This is a tenure-track position in the Section of Cell and Developmental Biology, and will be within the newly reorganized Division and could include an initial appointment in the Agricultural Experiment Station. A Ph.D. (or equivalent) is required and postdoctoral experience is desirable. Candidates must have an outstanding record of achievement in research and will be expected to develop a strong research program in cell biology. The successful candidate will be expected to build a strong research group in the Division of Biological Sciences. Women and minority candidates are encouraged to apply. Applications must be completed by October 1, 1994. A list of three references should be submitted. Inquiries should be addressed to Dr. Jonathon Scholey, Search Committee Chair, Department of Molecular and Cell Biology, Division of Biological Sciences, University of California, Davis, CA 95616-8519.

CANCER EPIDEMIOLOGIST

The University of North Carolina at Chapel Hill is seeking candidates for a tenure-track position in Epidemiology to begin July 1, 1995. The University is committed to diversity and encourages applicants with minority background. The successful candidate will be expected to develop a strong research program in the field of cancer epidemiology, and to initiate a successful external funding program. The position is available for a minimum of 50% effort. The University of North Carolina at Chapel Hill is an Affirmative Action/Employer.

Assistant Professor of Biomedical Engineering

The Department of Biomedical Engineering at the University of Pennsylvania seeks an assistant professor with interests in the area of tissue engineering, with potential for development of an extramurally funded research program. Excellent new laboratory space and core equipment facilities are available. Applicants may have specific interests in tissue engineering, biomechanics, or cell biology, or may have related interests. Send curriculum vitae and the names of three references by October 1, 1994 to: Dr. Steven Gilbert, Chair, Search and Selection Committee, Department of Biomedical Engineering, University of Pennsylvania, Philadelphia, PA 19104-6323. The University of Pennsylvania is an Affirmative Action/Employer.

ASSISTANT/ASSOCIATE/FULL PROFESSOR

Applications are invited for a position at the assistant professor (tenure-track) level with the Department of Chemistry at Stanford University. The position involves research in the area of synthetic organic chemistry. The position is available beginning July 1, 1995. A Ph.D. degree and postdoctoral experience is desirable. Candidates must have an outstanding record of achievement in research and are expected to build a strong research group in the area of synthetic organic chemistry. Women and minority candidates are encouraged to apply. Applications must be completed by November 1, 1994. A list of three references must be submitted. Inquiries should be addressed to Prof. Robert Ceresa, Search Committee Chair, Department of Chemistry, Stanford University, Stanford, CA 94305-5080. Applications will be considered until the position is filled, and selections will be made on the basis of received and completed applications. Send curriculum vitae, a list of publications, and a brief statement of research interests to: Robert Ceresa, Stanford University, Department of Chemistry, Stanford University, Stanford, CA 94305-5080. The University of California at Berkeley is an Affirmative Action/Employer.

ASSISTANT PROFESSOR OF INORGANIC CHEMISTRY

PRINCETON UNIVERSITY

The Department of Chemistry at Princeton University invites applications for an ASSISTANT PROFESSORSHIP from individuals whose research interests are in inorganic chemistry, broadly defined. Application should include a description of research interests, a curriculum vitae, and three letters of recommendation, and should be sent by November 15, 1994. Send inquiries and applications to the Chair, Inorganic Chemistry Recruiting Committee, Department of Chemistry, Princeton University, Princeton, NJ 08544. Princeton University is an Equal Employment Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR OF PHARMACOLOGY AND TOXICOLOGY

The University of North Dakota School of Medicine invites applications for a tenure-track (12-month) position at the rank of ASSISTANT OR ASSOCIATE PROFESSOR OF PHARMACOLOGY AND TOXICOLOGY. Applicants should have a Ph.D. in pharmacology, toxicology, or related area and be Board-eligible/Board-certified by the American Board of Toxicology. A major responsibility for the position is to provide supervision, consultation, and service to the North Dakota State Department of Health and Consolidated Laboratories related to alcohol measurement and intoxication, and in the general area of environmental health and risk assessment. Applicants should show potential for the development of a strong, extramurally funded research program in toxicology. In addition to a complete curriculum vitae, applications should include a letter addressing faculty rank requested, research goals, and experience in toxicology. Three letters of recommendation should be arranged by the candidate. Review of completed applications will begin September 1, 1994 and continue until a position is filled. Submit applications to: Dr. David W. Hein, Chairman, Department of Pharmacology and Toxicology, University of North Dakota School of Medicine, 801 North Columbia Road, Grand Forks, ND 58202-9037. The University of North Dakota is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF PENNSYLVANIA

DEPARTMENT OF CHEMISTRY

As part of a continuing development program, the Department of Chemistry at the University of Pennsylvania expects to make an appointment in Biological Chemistry. The appointment will be at the Assistant Professor (tenure-probationary level) with the area of research interest in Theoretical and Computational Structural Biology. Applicants should send their curriculum vitae, list of publications, and a description of proposed research to: Amos B. Smith, III, Chairman, Department of Chemistry, University of Pennsylvania, Philadelphia, PA 19104-6323, by October 15, 1994. Applicants should also arrange three letters of reference to be sent to the same address. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE/FULL PROFESSOR

Applications are invited for a position at the assistant professor (tenure-track) level with the Department of Chemistry at Stanford University. The position involves research in the area of synthetic organic chemistry. The position is available beginning July 1, 1995. A Ph.D. degree and postdoctoral experience is desirable. Candidates must have an outstanding record of achievement in research and are expected to build a strong research group in the area of synthetic organic chemistry. Women and minority candidates are encouraged to apply. Applications must be completed by November 1, 1994. A list of three references must be submitted. Inquiries should be addressed to Prof. Robert Ceresa, Search Committee Chair, Department of Chemistry, Stanford University, Stanford, CA 94305-5080. Applications will be considered until the position is filled, and selections will be made on the basis of received and completed applications. Send curriculum vitae, a list of publications, and a brief statement of research interests to: Robert Ceresa, Stanford University, Department of Chemistry, Stanford University, Stanford, CA 94305-5080. The University of California at Berkeley is an Affirmative Action/Employer.
The University of Illinois at Chicago Department of Psychology invites applications for a tenure-track ASSISTANT PROFESSOR position in beginning (tenured) ASSOCIATE PROFESSOR in Biopsychology beginning in fall 1995. Applicants must have a Ph.D. and an active research program in behavioral or integrative neuroscience, employing novel and innovative models with an emphasis on central mechanisms. Submit letter of application, curriculum vitae, and three letters of reference to: Dr. David Wirthshafter, Chair, Department of Psychology, 811 West Harrison Street, Chicago, IL 60612-1377. Applicants should provide evidence of their potential to teach effectively and conduct productive research. To ensure full consideration, applications should be received by November 15, 1995. Equal Opportunity/Affirmative Action Employer.

WHEATON COLLEGE, Wheaton, Illinois

Department of Biology seeking application, nomination for BOTANIST, ASSOCIATE or FULL PROFESSOR LEVEL. Experience in management of academic program or similar experience. Teaching expectations are plant physiology, plant morphology, plant anatomy, ultrastructure, introductory majors and non-majors courses. Possible teaching at Science Station in South Dakota. Contact: Dr. Rodney Scott, Department of Biology, Wheaton College, Wheaton, IL 60187. Closing date November 1, 1994.

Wheaton College is an evangelical Christian liberal arts college located near Chicago. Applicants must affirm a Statement of Faith and adhere to lifestyle expectations. The College complies with federal and state guidelines for nondiscrimination in employment. Women and minority applicants are encouraged to apply.

ASSISTANT/ASSOCIATE/FULL PROFESSOR Signal Transduction and Cell Regulation

The Department of Biochemistry and Molecular Biology at Indiana University School of Medicine is seeking applicants for a tenure-track position at the ASSISTANT, ASSOCIATE or FULL PROFESSOR level. Applicants should have a Ph.D., M.D., or equivalent degree and postdoctoral experience. It is expected that the new faculty member will develop independent research programs and participate in the teaching of medical and graduate students. Competitive space and start-up funds are available. The Department is seeking an individual with interest in the molecular basis of signal transduction in eukaryotes, including such areas as receptor function, signal transduction, gene expression, protein-protein interactions, covalent modification of proteins and mechanisms for the control of intracellular target gene expression. The Department of Biochemistry and Molecular Biology at Indiana University School of Medicine, Indianapolis, IN 46202-5122.

Indiana University is an Equal Opportunity/Affirmative Action Employer, and Contractor. Male/Female.

ASSISTANT PROFESSOR NEURO BIOLOGY

The Department of Anatomy and Neurobiology, University of Kentucky, seeks applications for a tenure-track position at the ASSISTANT PROFESSOR level. Candidates must hold a Ph.D. and/or M.D. or equivalent degree with appropriate postdoctoral experience and publications. Both biochemists and neurobiologists using cellular and/or molecular approaches to investigate development and/or regeneration and plasticity in the CNS are encouraged to apply. The Department offers a stimulating environment and is committed to the highest quality in research and teaching. Application deadline is October 15, 1994. Interested candidates should submit curriculum vitae, designations of teaching experience, current and future research goals, and names and addresses of three references to: Dr. Don MacLennan, Department of Anatomy and Neurobiology, University of Kentucky, MN224 Chandler Medical Center, Lexington, KY 40536-0084. The University of Kentucky is an Affirmative Action/Equal Opportunity Employer.

MOLECULAR NEUROBIOLOGIST

Department of Anatomy and Neurobiology, University of Kentucky, seeks applications for a tenure-track position for a CNS molecular neurobiologist with research expertise in both plasticity and regeneration or cellular signal processing. The candidate should have postdoctoral experience for at least three years of postdoctoral experience and provide evidence that he/she will develop a strong independent research program. The successful candidate will be expected to participate in the graduate program and teach in departmental neuroscience courses. Start-up funds and salary are competitive. Send curriculum vitae, description of research, and three letters of recommendation to: Dr. Cynthia Forehand, Chair, Molecular Neurobiologist Search Committee, Department of Anatomy and Neurobiology, University of Kentucky, Room 1700, 205 Shantz Hall, Lexington, KY 40536-0084. Telephone: 802-656-2230. FAX: 802-656-8704. Email: C_Forehand@umvmux.uvm.edu. Information accepted through October 1, 1994. The University of Kentucky is an Equal Opportunity/Affirmative Action Employer. Women and people from diverse racial, ethnic and cultural backgrounds are encouraged to apply.

VICE CHAIR PSYCHIATRIC RESEARCH

Birmingham—University of Alabama at Birmingham and Department of Psychiatry and Behavioral Neurobiology seeks applications and nominations for a VICE CHAIR for Psychiatric Research (endowed chair) and DIRECTOR, Division of Behavioral Neurobiology: M.D. or Ph.D. degree, with 10 or more years of clinical experience in the field, a distinguished record in neuroscience research, a well-known and respected body of basic/research, and superior research administrative skills. Should demonstrate a commitment to excellence in education and training, ability to effect integration of clinical and basic research functions, and to mentor junior faculty researchers. Goal is to develop a nationally recognized psychiatric research program.

Position at rank of ASSOCIATE or FULL PROFESSOR, tenured or tenure-carrying. Highly competitive salary/benefits. Applications should be sent to: Robert O. Friedel, M.D., Chairman, Department of Psychiatry, University of Alabama at Birmingham Station, Birmingham, AL 35294—0018. Affirmative Action/Equal Opportunity Employer.

THE INSTITUTE OF MOLECULAR MEDICINE AND GENETICS Program in Program in Microbiology/Immunology

We are developing a new initiative in molecular immunology that will focus on regulatory mechanisms of the immune system. This program will interface with clinical programs in connective tissue diseases and diabetes, and will seek to understand etiologic mechanisms for autoimmunity.

A new research building and a new state-of-the-art transgenic animal facility are under construction and will serve the needs of this initiative. Multiple positions are available with appropriate Departmental appointments at the ASSISTANT to FULL PROFESSOR levels. Applicants should have a strong background in molecular genetics, MHC biology, biochemical and cell biological features of antigen processing, or the developmental biology of the immune system. Reply with curriculum vitae to:

Howard Grossmann, M.D., Ph.D.

Director, Institute of Molecular Medicine and Genetics
Medical College of Georgia
Augusta, GA 30912-3100
FAX: 706-721-7915

MCG is an Equal Opportunity Employer. Women, minorities and disabled persons are encouraged to apply.

ASSISTANT PROFESSOR BIOLOGICAL CHEMISTRY/MOLECULAR BIOLOGY

The Department of Biological Chemistry, College of Medicine, University of California, Irvine, invites applications for a new tenure-track appointment at the ASSISTANT PROFESSOR level. Individuals with research experience and interests in the areas of molecular genetics, macromolecular processing and its control, structural biology and developmental processes are particularly encouraged to apply. Faculty members are expected to develop strong, independent research programs and to participate in the teaching of medical students and graduate students in a campus-wide joint graduate program in molecular biology, genetics and biochemistry. Applications should include a curriculum vitae, statements of proposed research and three letters of recommendation by November 1, 1994, to Search Committee Chair, Department of Biological Chemistry, College of Medicine, University of California, Irvine, CA 92717-1700.

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

MICROBIAL PATHOGENESIS

The Department of Microbiology and Immunology, University of North Dakota invites applications for a tenure-track faculty position at the rank of ASSISTANT PROFESSOR in the area of the molecular, genetic, or cellular aspects of microbial pathogenesis. The successful candidate is expected to establish an independent, externally funded research program complementing existing research in the department. Teaching responsibilities include a course in medical microbiology and the development of a graduate course in the candidate's discipline. Candidates must have a Ph.D. in microbiology or a related field and relevant postdoctoral experience. Applicants should submit a curriculum vitae, a two-page statement of research interests, two representatives publications and three letters of reference to: Dr. James J. Kelleher, Chair, Search Committee, Department of Microbiology and Immunology, School of Medicine, University of North Dakota, Grand Forks, ND. Review of applications will begin November 1, 1994. University of North Dakota is an Equal Opportunity/Affirmative Action Employer.

Vertebrate Paleontology, Yale University. The Department of Geology and Geophysics invites applications for one or more SENIOR SENIORS to begin Septem-ber 1995. We are particularly interested in scientists whose work will draw upon the strength of Yale's historical collections in vertebrate paleontology. Send resume, publications and three reference names to: Professor Ronald Smith, Chair, Yale University, P.O. Box 208109, New Haven, CT 06520-8109. FAX: 203-436-3134. October 15, 1994. Yale University is an Affirmative Action/Equal Opportunity Employer and invites applications from all qualified candidates.

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SCIENCE • VOL. 265 • 19 AUGUST 1994
Call For Papers
Life Sciences & Space Medicine Conference '95

Bringing Space Benefits Down to Earth
Houston, Texas
April 3-5, 1995

Life Sciences & Space Medicine Conference '95, a joint effort of the National Aeronautics and Space Administration/Johnson Space Center (NASA/JSC) and the American Institute of Aeronautics and Astronautics (AIAA), hereby issues an official Call for Scientific and Technical Papers.

Submissions for presentation will be considered on the following topics: Medical Sciences and Systems, Biological Sciences and Systems, Human Factors Engineering, Space Physiology, Extra-Vehicular Activity, Applications of Technology to Life Sciences, and International Cooperation in Life Sciences.

Send your abstract of at least 600 words no later than 19 September 1994 to:
AIAA, The Aerospace Center, Dept. A1
370 L’Enfant Promenade SW, Washington, DC 20024-2518. For more information, call 1-800-615-0190.
ACADEMIC DIVISION HEAD. The School of Biological Sciences at the University of Missouri-Kansas City seeks a researcher and educator who will have a proven ability to attract extramural funds in biochemistry and molecular biology. The DIVISION HEAD (director) oversees the academic division and directs the expansion of the molecular biology and biochemistry. The successful candidate should have a documented record in extramurally funded research accomplishments and excellence in graduate teaching and supervising Ph.D. students. Interested applicants should have earned tenure at a U.S. university and have the capability to administer a complex department with duties in the undergraduate and graduate programs and in the courses to the health professions. This person is expected to develop a growing academic interdisciplinary program including supervision of an increasing number of students and the establishment of additional faculty with proven ability for attracting independent external research funding in molecular recognition, with emphasis in macromolecular structure and organization, and molecular basis of signal transduction. Selection of candidates will begin October 15, 1994, and continue until a successful candidate is identified. Applicants should submit a curriculum vitae and outline of research interest and names of three references from academic institutions. University of Missouri-Kansas City is an Equal Opportunity, Affirmative Action Employer. MBB H. Search Committee, University of Missouri-Kansas City, Dean’s Office, School of Biological Sciences, 5100 Rockhill Road, Kansas City, MO 64110.

VICE PRESIDENT FOR RESEARCH MEDICAL COLLEGE OF GEORGIA

The Medical College of Georgia invites applications and nominations for the position of VICE PRESIDENT FOR RESEARCH. The Vice President for Research, reporting directly to the President, will be the senior administration leader of research development efforts. This will involve all aspects of research program planning and implementation. In particular, the Vice President will serve a liaison and advocacy function not only with the university administrative programs but also with external agencies, foundation, and corporate research entities. The Vice President will also oversee various research support services, including the Office of Research and Contracts. The successful candidate should have a doctoral degree or its equivalent, as well as established scientific and academic credentials reflecting significant expertise in the development and funding of research efforts. Academic appointment to one of the departments within the institution is desirable, and opportunities exist for ongoing involvement in academic and research programs. Interested applicants should submit a curriculum vitae, a cover letter describing the candidate’s research, academic and administrative experience, and the names and addresses of three references prior to October 1, 1994, to: Dr. Barry D. Goldstein, Chair of Search Committee, Medical College of Georgia, 1120 15th Street, Augusta, GA 30912-7605.

TEACHING POSITION IN PHARMACOLOGY

The Department of Pharmacodynamics in the College of Pharmacy at the University of Florida is seeking an ASSISTANT/ASSOCIATE SCHOLAR to join the department January 1, 1995. The position will involve full-time effort in teaching of Pharmacology and Pathophysiology to undergraduate Pharmacy students. The position is a nine-month, non-tenure accruing faculty position with a one-half time effort. Applicants must have completed Ph.D. in Pharmacology or a related field and must have previous teaching experience. Applicants should submit curriculum vitae, a statement of teaching experience and interests, and letters from three references by September 30, 1994, to: Dr. Ralph Dawson, Chair, Pharmacodynamics, Box 101048, University of Florida, Gainesville, FL 32610. FAX: 904-392-9187.

If any candidate needs an accommodation for this position due to disability, please contact Dr. Ralph Dawson at 904-392-3490. The University of Florida is an Equal Opportunity/Affirmative Action/ADA Employer. The selection process is subject to the provisions of Florida’s “Government in the Sunshine” and Public Records laws. Search committee meetings and interviews will be open to the public. Additional information and other documents related to the search will be available for public inspection.

CHEMISTRY DEPARTMENT CHAIRPERSON

Carthage College seeks a CHEMISTRY DEPARTMENT CHAIR who will lead a dynamic ACS-accredited program. The chair will be responsible for developing increasingly strong programs for majors and non-majors and promoting student research. The College has experienced significant increases in chemistry and, consequently, is encouraging students to choose majors in the natural sciences. Candidates must have a Ph.D. in inorganic/analytic, organic, physical, or inorganic analytical chemistry. Formal or informal scholarly credentials, applicants must have an enthusiastic commitment to teaching in a small college environment of personalized and successful-orientation. Expectation will be to provide, for the Chair position, adequate or full professor level, appropriate to qualifications.

Located on the shore of Lake Michigan midway between Milwaukee and Chicago, Carthage is a liberal arts college affiliated with the Evangelical Lutheran Church in America. Send curriculum vitae, letters of reference, and statements of teaching and leadership philosophies to: Donald M. Michie, Dean of the College, Carthage College, Kenosha, Wisconsin 53140-1994.

Midlands Technical College, a two-year comprehensive community college in Columbia, South Carolina, offers an Associate of Science degree in Biology. The Biology Department is seeking qualified candidates for a SCIENCE DEPARTMENT CHAIR (Vacancy #1456). Duties are to provide instructional management, personnel supervision, and evaluation of general educational level, departmental evaluation and assessment, and accurate and timely reports for the courses and programs within the department. Will also provide instruction to students who are enrolled within the department. A. M. or M. S. in Chemistry, Physics, or a Biological Science required; Ph.D. preferred. Must have a minimum of three years of experience teaching and industry experience or a postsecondary institution, preferably at a community college. Demonstrated excellence in teaching and learning. Experience in leadership personnel development, and curriculum development. Must have effective oral and written communication skills. Competitive compensation package offered. A letter of application, resume including three references, and transcripts shall be forwarded to: Midlands Technical College, Human Resource Management Division, Post Office Box 2408, Columbia, SC 29202. Deadline: Open until filled, however, suggested response deadline is September 15, 1994. Affirmative Action/ADA/Equal Opportunity Employer.

The Departments of Molecular and Human Genetics, and Pediatrics are jointly recruiting a DIRECTOR for the Baylor College of Medicine Mental Retardation Research Center (MRC) which was funded in 1988, and is one of the 14 NICHD-supported Centers dedicated to the study of the prevention, treatment, and amelioration of mental retardation and developmental disabilities. The Baylor MRC conducts eight core laboratories, 35 research projects, 48 investigators from 13 departments, and one New Project Development Award. The successful applicant will be a Physician Scientist with an established research commitment to the molecular biology of mental retardation. Board certification in a Medical Genetics specialty, and Pediatrics is desirable. Applicants should send a letter describing their commitment to mental retardation research and a current curriculum vitae, and should request that three letters of reference be sent to: C. Thomas Caskey, M.D., Chair, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030. Baylor College of Medicine is an Equal Opportunity/Affirmative Action Employer.

The Chemistry Department at the University of California, Berkeley, solicits applications for a position as PROFESSOR of Chemistry, beginning in fall of 1995, pending budgetary approval. Creative and energetic candidates are particularly encouraged to apply. Outstanding qualifications and sufficient experience in research and teaching, are specifically sought. Candidates should send curriculum vitae, a statement of teaching and research interests, and letters from three references directly to: Dr. Hua Gu, Laboratory of Immunology, National Heart, Lung, and Blood Institute, Building 10, Room 13B-118, Rockville, MD 20852. FAX: 301-480-2618. NIH is an Equal Opportunity Employer.

The Department of Molecular Cardiology is seeking a FACULTY MEMBER with experience in Molecular Genetics and an interest in the Cardiovascular System. The research area of emphasis could include analyses of some of the well-characterized patient populations at the Cleveland Clinic. Appointment will be at a staff level commensurate with the applicant’s experience. The successful candidate is expected to develop an independent research program and to be part of a developing molecular genetics group. Molecular Cardiology is a new department in the Research Institute and the faculty position is expected to further develop an interest in the protein structure and function, vascular biology, hypertension, cardiac physiology, and pathophysiology. It is one of the largest departments within the Research Institute with some 80 scientists and a support staff of nearly 300. Applicants should send curriculum vitae, a statement of career plans, and at least three letters of references to: Dr. Edward F. Plow, Chairman, Search Committee, Department of Molecular Cardiology, (FF20), Research Institute, The Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195. The Cleveland Clinic Foundation is an Equal Opportunity/Affirmative Action Employer.

International Society for Infectious Diseases

PROGRAM MANAGER

Newly created position. To manage the educational, scientific, and other outreach programs of this worldwide association. Based in Boston, the successful candidate will have the opportunity to shape and implement the training, research, and other programs of the Society. We require an individual with a background in public health and a commitment to building strong, effective, science-driven programs in areas of public health, infectious diseases, microbiology, and medicine. Applicants are encouraged to apply to ISID Search, 180 Longwood Avenue, Boston, MA 02115. FAX: 617-733-1541.

ENVIRONMENTAL LEADERSHIP

The nonprofit Great Lakes Protection Fund seeks an EXECUTIVE DIRECTOR to manage its efforts to ensure the health of the regional ecosystem. He or she should have high standards, imagination, leadership qualities, an entrepreneurial style and a commitment to the Fund’s goals. Candidates should submit a letter of application and a resume to the Fund at: 35 East Wacker Drive, Suite 1880, Chicago, IL 60601. The Fund is an Equal Opportunity/Affirmative Action Employer.

IMMUNOLOGY

Two POSTDOCTORAL FELLOW POSITIONS are available to study signal transduction process in the immune system. Research utilizes both traditional models, and takes a multidisciplinary modern biological approach, including conditional gene targeting. Applicants should have a strong background in molecular biology/immunology and experience in gene targeting is not required. Please send curriculum vitae and three letters of reference to: Dr. Hua Gu, Laboratory of Immunology, National Heart, Lung, and Blood Institute, Building 10, Room 13B-118, Rockville, MD 20852. FAX: 301-480-2618. NIH is an Equal Opportunity Employer.
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.

Activity-Dependent Nervous System Development

R. Douglas Fields, PhD

Regulation of gene transcription, neurite outgrowth, and synaptic remodeling by electrical activity of the nervous system during development are being investigated in our laboratory. Applicants with expertise in signal transduction biochemistry, and the use of molecular biological techniques to study IE gene expression in neurons, or alternatively, expertise in fluorescence microscopy of intracellular ions and cytoskeletal components are desired. Laboratory of Developmental Neurobiology (OE-52), NICHD, Building 49, Room 5A38.

Cell Biology

Hynda K. Kleinman, PhD

The function of the extracellular matrix, and in particular the basement membrane, in tumor growth and metastasis, angiogenesis, and nerve cell differentiation is studied at the cellular and molecular level in vivo and in vitro. Studies have focused on active sites duplicated by synthetic peptides, cellular receptors, induced genes, and proteases. Applicants must have less than five years postdoctoral experience. Cell Biology Section (OE-52), NIDR, Building 30, Room 407.

Genetic Disorders of Bone

Joan C. Marini, MD, PhD

The molecular biology of genetic disorders of bone is being studied to understand how collagen mutations result in defective extracellular matrix, with an emphasis on osteogenesis imperfecta. There is a strong emphasis on molecular therapeutics for dominant disorders. Projects include antisense suppression, generating murine model of non-lethal OI and biology of OI osteoblasts. Position requires broad experience in molecular biology and biochemistry, less than five years postdoctoral experience and US citizenship or permanent residency required. Human Genetics Branch (OE-52), NICHD, Building 10, Room 9S242.

Gene Therapy of Neoplasia

Carter Van Waes, MD, PhD

Integrins and cytokines which facilitate the progression of squamous cell carcinoma of the head and neck are being investigated as targets for retroviral and ribozyme gene therapy. Applicants with experience in recombinant DNA techniques and less than five years postdoctoral experience required. Head and Neck Surgery Branch (OE-52), NIDCD, Building 31, Room 3C11.

Neurobiology of Alcohol Consumption

Markku Linnola, MD, PhD

Operant conditioning techniques are being used to assess CNS mechanisms of interindividual differences in alcohol consumption in nonhuman primates. These procedures are used to pharmacologically assess reward, anxiety, and impulse control mechanisms related to alcohol consumption in rhesus macaques with known rearing and genetic backgrounds. Laboratory of Clinical Studies (OE-52), NIAAA, Building 10, Room 3C103.

Virology, Differentiation, and Cell Culture

Carl C. Baker, MD, PhD

The regulation of papillomavirus gene expression during keratinocyte differentiation is being studied. A position is available to develop keratinocyte culture systems for the study of differentiation dependent transcription and alternative RNA processing. Applicants should have extensive experience in the culture and differentiation of primary cells as well as some background in molecular biology and have less than five years of postdoctoral experience. Laboratory of Tumor Virus Biology (OE-52), NCI, Building 41, Room C111.

Virology, Differentiation, and RNA Processing

Carl C. Baker, MD, PhD

The regulation of papillomavirus gene expression during keratinocyte differentiation is being studied with particular emphasis on posttranscriptional regulation. Studies include identification of the cis elements and trans factors which regulate polyadenylation, alternative splicing, and mRNA stability. Applicants should have a strong background in molecular biology and experience in RNA processing or mRNA stability. Applicants must have less than five years of postdoctoral experience. Laboratory of Tumor Virus Biology (OE-52), NCI, Building 41, Room C111.

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 (wilbur.cu.nih.gov) or modem (1,301-402-2221 or 1,800-358-2221 with parameters set at "7,Even,1"). When connected to NIH, type in "vt100" for terminal emulation, "P5E" for initials, and "AJL1" for account number.

The Postdoctoral Research Fellowship Opportunities Catalog, which describes intramural laboratories at the NIH, is also available by request from the address below. 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 from the Office of Education. If you 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.

To Apply

If you hold a graduate doctoral degree (e.g., PhD, MD/PhD) or a professional degree (e.g., MD, DO, DDS, 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.
ELECTROPHYSIOLOGIST: Position available at Yale Medical School as POSTDOCTORAL FELLOW or RESEARCH ASSOCIATE, for patch-clamp who will join major interdisciplinary program focusing on development and plasticity of channel expression in neurons and glia. Excellent opportunities for collaboration with molecular, neurobiological, immunocytochemical, and pharmacological colleagues. Curriculum vitae and three letters of reference by November 7, 1994, to: Stephen G. Waxman, M.D., Department of Neurobiology, Yale University School of Medicine, P.O. Box 208018, New Haven, CT 06520-8018. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIPS (Two) are available immediately to study cooperative interactions between nuclear and mitochondrial components, gene regulation, and expression in vitro and in vivo. Applicants should send curriculum vitae and names, addresses, telephone and FAX numbers of three references to: Dr. Mary Graveline, State University of New York Health Science Center, Department of Biochemistry and Molecular Biology, 750 East Adams Street, Syracuse, NY 13210. Telephone: 315-464-8744. FAX: 315-464-8750.

IMMUNOLOGIST/MOLECULAR BIOLOGIST/TRANSGENIC MOUSE

POSTDOCTORAL FELLOWSHIP available to participate in a study of the roles of T cells, macrophages and their cytokines in the pathogenesis of atherosclerosis. We will use transgenic and "knock out" mice obtained from our colleagues at the University of Wisconsin Medical School to produce mice deficient in the expression of any gene of interest. Experience in either biochemistry or molecular biology required. FAX or send curriculum vitae and the names, addresses, telephone and FAX numbers of three references to: Dr. Paul Berstein, University of Connecticut Health Center, Department of Microbiology and Immunology, 165 Farmington Avenue, Farmington, CT 06032. Telephone: 203-286-5046. Fax: 203-286-5047. At the University of Connecticut Health Center, we are an equal opportunity/affirmative action employer.

POSTDOCTORAL POSITION IN MOLECULAR AND NEURAL DEVELOPMENT

Two positions are available now to investigate the molecular mechanisms underlying axonal pathfinding by neuronal growth cones. Receptor- and G protein-dependent signaling pathways will be examined by means of cell-free and intact cell expression cloning, site-directed mutagenesis, neuronal culture, and gene knockout techniques. Experience in molecular and cell biology preferred. Send curriculum vitae and names and addresses of three references to: Dr. Stephen M. Strittmatter, M.D., Ph.D., Departments of Neurology and Neurobiology, Yale University School of Medicine, P.O. Box 208018, New Haven, CT 06520. FAX: 203-785-5098.

POSTDOCTORAL/RESEARCH ASSOCIATE POSITION to study the function of ion channel receptors. Applicant should be experienced in molecular biology or electrophysiology. Salary commensurate with experience and responsibilities including telephone answering. FAX: 203-785-5098. Send curriculum vitae and names, addresses, telephone and FAX numbers of three references to: Dr. Bruce Cohen, Biomedical Sciences, University of California, Riverside, CA 92521. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION focused on gene regulation in mammalian muscle development. Projects include (1) gene cloning and expression, (2) characterization of muscle homologous recombination of muscle stem cells to study cell surface receptors, adhesion or signal transduction molecules, (2) regulation of gene expression by muscle-specific regulatory elements, and (3) characterization of the mechanism of action of untranscribed RNAs with a role in growth control and tumor suppression. Applicants should send curriculum vitae, three recommendation letters and a one-paragraph description of research interests to: Dr. Helen Blau, Department of Molecular Pharmacology, Stanford University School of Medicine, Stanford, CA 94305-5332. Equal Opportunity Employer/Affirmative Action.

POSTDOCTORAL RESEARCH ASSOCIATES

Two outstanding young Ph.D. SCIENTISTS are urgently required to study the mechanisms of regulation of gene expression in mammalian cells. Experience in molecular biology or immunology is essential, and the candidate should have a PhD in a related discipline. Applicants should send curriculum vitae, three recommendation letters and a one-paragraph description of research interests to: Dr. Helen Blau, Department of Molecular Pharmacology, Stanford University School of Medicine, Stanford, CA 94305-5332. Equal Opportunity Employer/Affirmative Action.

POSTDOCTORAL POSITION IN RADIOBIOLOGY OF ELECTRON BEAMS

POSTDOCTORAL POSITION available December 1, 1994, in the Radiobiology Laboratory at the Johns Hopkins Oncology Center. Applicant should possess a background that includes molecular/cellular biology but with adequate training in physics or biophysics. The successful candidate will become part of a diverse team of scientists evaluating possible biological effects of electro-magnetic radiations at the cellular/molecular level. Applicants should send or FAX curriculum vitae, description of research interests and names of three references to: Dr. William W. Clark, Ph.D., Program Manager, Radiobiology Laboratory, Johns Hopkins Oncology Center, 600 North Wolfe Street, Room 2-121, Baltimore, MD 21287-5001. Telephone: 410-955-8777. FAX: 410-955-8780. The Johns Hopkins University School of Medicine is an Equal Opportunity Employer.

POSTDOCTORAL POSITION

Applicants are sought to investigate genes involved in nervous system development using transgenic mouse models and novel techniques to dissect cell and tissue structure. This position requires an interest in cell biology and/or genetics and should be either Ph.D. or M.D./Ph.D. Send curriculum vitae, names and addresses of three references to: Dr. Claudia Kappen, Department of Biochemistry and Molecular Biology, Mayo Clinic, 13400 East Shea Boulevard, Scottsdale, AZ 85259, USA. Email address: kappen@mayo.edu.

POSTDOCTORAL POSITION

This position is available immediately to study the mechanism of action of cell proliferation and differentiation. Applicants should have a Ph.D. in molecular biology or immunology and a strong background in transgenic mouse models. Experience in cell biology and/or genetics is required. Send curriculum vitae, three letters of recommendation and names, addresses and telephone numbers of three references to: Dr. Chiko Morimoto, Division of Tumor Immunology, Dana-Farber Cancer Institute, Harvard Medical School, 44 Binney Street, Boston, MA 02115. Dana-Farber Cancer Institute is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE DIVISION OF TUMOR IMMUNOLOGY

Dana-Farber Cancer Institute

A POSTDOCTORAL RESEARCH ASSOCIATE position is immediately available to study the T cell surface molecules (CD26, CD27 and VLA/CD29, etc.) that modulate T cell proliferation and differentiation. Experience in molecular biology and/or biochemistry is required. However, an immunology background is not required. Excellent collaborative opportunities exist. Send curriculum vitae and three references to: Dr. Chiko Morimoto, Division of Tumor Immunology, Dana-Farber Cancer Institute, Harvard Medical School, 44 Binney Street, Boston, MA 02115. Dana-Farber Cancer Institute is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION, SEATTLE


POSTDOCTORAL POSITION

Available immediately in basic cardiac electrophysiology. Research is focused on cardiac ion channel physiology and pharmacology and the integral part of ongoing research in cardiac arrhythmias. Background in basic electrophysiology is essential and knowledge in patch clamp methodology is preferred. Send curriculum vitae and names of references to: Dr. Rues Sung, Director, Cardiovascular Electrophysiology and Arrhythmia Service, Stanford University Hospital, H2146, Stanford, CA 94305.

POSTDOCTORAL POSITION for studies of mouse T lymphocyte subsets, their activation requirements, and the molecular basis of T cell memory. A strong background in immunology is required. Send curriculum vitae, a brief statement of research interests, and names and telephone numbers of three references to: Richard A. Miller, University of Michigan, Box 2007, 300 North Ingalls Street, Ann Arbor, MI 48109. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION, available immediately, to study regulation of gene expression/drug metabolism using systems/determinants of cellular sensitivity to anticancer agents. Highly desired qualifications include Ph.D. and experience in molecular biology, enzymology, and cell culture. Send curriculum vitae and names, addresses and telephone numbers of three references to: Dr. N. E. Sladek, Department of Pharmacology, 3-249 University of Minnesota, Minneapolis, MN 55455. The University of Minnesota is an Equal Opportunity Educator and Employer.

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FDA

- U.S. GOVERNMENT -

FOOD AND DRUG ADMINISTRATION

PHARMACOLOGIST/TOXICOLOGIST

Review Scientist positions are available in the Center for Drug Evaluation and Research, U.S. Food and Drug Administration, Rockville, MD. As a part of a multidisciplinary scientific team, the scientists review and evaluate the results of studies submitted in support of New Drug Applications (NDA), Investigational New Drug Applications (IND), and amendments, to assess the safety of the drug, based on experiments conducted by the investigator. Review of the data includes evaluation of the quality and adequacy of testing to ensure that the studies support the manufacturers' claims for safety. Review recommended dosage levels to determine margin of safety for clinical use. Prepare comprehensive summaries of the data reviewed, and submit recommendations and conclusions for approval.

QUALIFICATIONS: Specific course work in the field of study and professional experience or directly related postgraduate education is required. A doctoral degree in the field of pharmacology or toxicology is highly desirable. Professional postgraduate experience in dermal and/or ocular acute, subchronic and chronic toxicity studies is desired for a position in our Division of Topical Drug Products.

Candidates for Civil Service or Commissioned Corps appointments must be U.S. citizens. Candidates for Staff Fellowships may be either U.S. citizens or resident aliens eligible for citizenship within four years.

SALARY: Civil Service salary range for GS-12 through GS-13 is $42,003 to $64,928. Salary, benefits, and level of responsibility are commensurate with education and experience.

HOW TO APPLY: Interested candidates should send a cover letter referring to position code SRC185, an Application for Federal Employment (SF-171), and/or detailed Curriculum Vitae along with a copy of college transcripts to:

DHHS/PHS/Food and Drug Administration
Center for Drug Evaluation and Research
5600 Fishers Lane; Room 11B-22; HFD-505
Rockville, MD 20857
Attention: Recruitment Staff

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Cadus Pharmaceutical Corporation is a rapidly growing biopharmaceutical company pioneering the discovery of drugs which regulate G protein-mediated signalling pathways in the areas of inflammation, cardiovascular and neurological disorders. We presently seek highly motivated scientists with a proven track record at all levels to accelerate the development of our yeast based screening programs.

SCIENTISTS

Receptor Biochemist:
Ph.D. level scientist with 5-7 years experience in the area of biology and biochemistry of trans-membrane receptors.
Training in pharmacology and receptor biochemistry is essential; experience in molecular biology is preferred. Strong management and communication skills (oral and written) required. Job code: S-RB

Receptor cDNA Cloning:
Ph.D. level scientist with minimum 4 years post-graduate experience and proven track record, to participate in efforts to identify and clone novel G-coupled signal transduction components. Specific expertise in cDNA cloning and expression technologies essential. Job code: S-RC

Cell Biologist:
Ph.D. level scientist with minimum 4 years experience in studies on the cellular basis of receptor mediated signal transduction in mammalian systems. Training in molecular biology is essential; experience in assay development is preferred. Strong verbal and written communication skills required. Job code: S-CB

RESEARCH SCIENTIST

DNA Sequencing:
BS/MS with minimum 3 years experience with automated and manual DNA sequencing systems. Strong management and communication skills required. Will coordinate and manage DNA sequencing facility. Job code: S-DNA

ASSOCIATE RESEARCH SCIENTISTS

Biochemistry: BS/MS level scientist with minimum 3 years experience in protein analysis and biochemistry. Experience in Western blot, ligand binding and cellular localization analyses is preferred. Job code: S-B

Yeast Genetics:
BS/MS level scientist with minimum 2 years experience in yeast genetics and/or molecular biology to aid in the development and adaptation of novel yeast strains to high throughput screening format. Job code: S-YG

Molecular Biology:
BS/MS level scientist with minimum 2 years laboratory experience in molecular biology. Expertise in DNA cloning and gene expression (yeast and mammalian) is essential, with expertise in protein analysis preferred. Job code: S-MB

Screening:
BS level scientist with experience in the design or development of high throughput screens, operation of BioMek or other robotic systems and/or management of compound libraries. Job code: S-S

Cadus offers competitive salaries and benefits as well as excellent opportunity for career growth in a stimulating, collaborative environment. Send CV and a list of references to: Science Search, Cadus Pharmaceutical Corporation, 180 Varick Street, 9th floor, New York, NY 10014. Please indicate job code on envelope. Cadus is an equal opportunity employer.

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Pharmaceutical Corporation
POSTDOCTORAL POSITIONS: CELL AND MOLECULAR BIOLOGY. Postdoctoral research positions (1) Endocytosis regulation of liver cytochrome P450 gene transcription and (2) Gene therapy applications in cancer pharmacology. Strong research experience in molecular biology or biochemistry is essential. Flexible start date. Minority candidates are encouraged to apply. Send curriculum vitae with brief summary of research experience, copies of select publications, and names of three references to: Dr. David J. Waxman, Professor of Cell and Molecular Biology, Department of Biology, Boston University, 5 Cummings Center, Boston, MA 02215.

POSTDOCTORAL POSITIONS available to study genes that determine the human homologs of yeast mating and a putative ligand for the mammalian orphan GPR161. To: Dr. S. J. Warshawsky, Department of Biophysics and Molecular Biology, LUS Medical Center, 1901 Perdido Street, New Orleans, LA 70112. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS available immediately, to study an adhesion multicomponent system expressed on a membrane B-cell pathogen. Recent experience in molecular genetics (bacterial genetics, recombinant DNA, mutagenesis, PCR). Experience in protein purification and structural studies of microbial pathogens. Send curriculum vitae, description of previous experience and references to: Dr. Dieter M. Schifferli, University of Pennsylvania, Department of Pathology, 3800 Spruce Street, Philadelphia, PA 19104-6049. FAX: 215-898-7887. Affirmative Action/Affirmative Action Employer.

POSTDOCTORAL POSITIONS available NIH- and Veterans Administration-funded. In cellular molecular biology/genetics. Projects include: (i) linkage analysis (Cromer, 1994); (ii) position effect (Cromer, 1994); and (iii) cellular function tumor suppressor genes (PA85, 252.094, 1992). Send curriculum vitae and references to: Dr. James Elder, University of Michigan, C50A MSRB II Box 0672, Ann Arbor, MI 48109-0672. FAX: 313-763-4857. The University of Michigan is an Equal Opportunity Employer.

POSTDOCTORAL FELLOW Immediate opening. Dr. A. Vania Apkarian of the Computational Neuroscience Program at State University of New York Health Science Center at Syracuse and the University of Virginia, is searching for a POSTDOCTORAL FELLOW to work within the Neurosurgery Research Labs at SUNY Health Science Center at Syracuse. Applicants should have a Ph.D. in an area related to the generic discipline. The fellow will participate in Functional MRI studies of brain representation of acute and chronic pain. Research offers 3 year opportunity. Send resume, copies of publications, and proof of Ph.D. and names, addresses, and telephone numbers of at least three references to: Dr. Vania Apkarian, Ph.D., State University of New York Health Science Center at Syracuse, Neurosurgery Labs, 750 East Adams Street, Syracuse, NY 13210. Affirmative Action/Equal Opportunity Employer.

ECOLOGIST. Tenure-track position in zoology or botany for ECOLOGIST probably in the fields of ma- rine and/or freshwater ecosystems or in botany. Emphas- is on ecosystem processes and nature conservation as- pects. At least one year of postdoctoral experience should submit curriculum vitae and a list of publications and should request three letters of reference to: Dr. Amiel G. Glisch, Institute for Nature Conservation Research, Tel-Aviv University, Ramat- Aviv 99978 Israel, not later than September 15, 1994.

SCIENTIFIC ANALYST. Available immediately. Position involves systematic evaluation of potential business opportunities, including comprehensive reviews of medical literature, preparing proposal development, interacting with pharmaceutical scientists. M.D., M.S., or Ph.D. degree in biological sci- ence with strong background in molecular biology required. Salary: $30,000 to $50,000 plus bonus and ben- efits. Medical Portfolio Management is an investment firm focusing in the area of biotechnology. Mail a cover letter and resume to: Dr. Anshel S. Gadgic, Managing Direc- tor, Medical Portfolio Management, One Cam- bridge Center, Cambridge, MA 02142. FAX: 617- 225-0536.

MOLECULAR BIOLOGIST PROSTATE CANCER RESEARCH The Division of Urologic Surgery at Washington Uni- versity School of Medicine seeks a highly qualified MOLECULAR BIOLOGIST with a background in ad- minihitary prostate cancer research team. This position re- quires a Ph.D.; postdoctoral experience desired. Salary and benefits are competitive to levels 12. Send application to: Search Committee, Department of Urology, The Field Museum, 1900 South Michigan Ave., Chicago, IL 60605-2496. Email: botany@fnmh.org. As an Equal Opportunity/Affirmative Action Employer, we especially encourage applications from women and minorities and we are responsive to dual-career needs.

PLANT MOLECULAR SYSTEMATIST The New York Botanical Garden invites applications for the position of PLANT MOLECULAR SYSTEMATIST in the Institute of Systematic Botany. Qualifica- tions include a Ph.D. in Botany, with demonstrated excellence in Molecular Systematics, a strong background in Plant Taxonomy, and several years of postdoctoral ex- perience in molecular systematics or related research. Experience in botanical or mycological systematics with an emphasis on employing molecular techniques. Work will involve teaching and supervising a graduate student in the Garden’s Graduate Studies Program, and publishing research results in peer-reviewed scholarly journals. The individual occupying this position will also be expected to secure grant funds and assist in other activities associated with this division-wide duties. This position begins April 1, 1995. Excellent ben- efits. To apply submit a letter stating research interests and goals, current vitae, and the names of three refer- ences to: Personnel Manager-MS, The New York Bo- tanical Garden, 200th Street and Southern Boule- vard, Bronx, New York 10458-5126, USA. FAX: 734-220-6504. Affirmative Action/Equal Opportunity Employer/Male/Female/Disability/Veteran.

SENIOR ANIMAL RESEARCH TECHNICIAN Available immediately in a laboratory actively engaged in the development of innovative experimental strategies for the treatment of solid tumors. Applicants should be well versed in all aspects of small animal handling, drug administration, and surgical techniques. Responsibilities in- clude maintenance and injection of Fischer rat and hamster cell lines; in vivo and design administration of treatment regimens to assess tumor antimur activity of various chemo- therapeutic agents. Training in veterinary asepsis, i.p., i.v., and s.c. administration, blood sampling, and simple surgery. Work in a AAALAC accredited facility. This position requires a highly self-motivated individual with the ability to work independently as part of a multidisciplinary research team. B.S. in Biology/Labora- tory Animal Science preferred.

Send curriculum vitae and the names, addresses and phone numbers of three references to: Dr. Beverly A. Teicher Dana-Farber Cancer Institute 44 Binney Street Boston, MA 02115 An Equal Opportunity/Affirmative Action Employer.

CHEMICAL MIXTURES AND QUANTITATIVE RISK ASSESSMENT The Second Annual Symposium of the Health Effects Research Laboratory will be held November 7 to 10, 1994, at the North Raleigh Hilton in the vicinity of Re- search Triangle Park, NC. The focus of this year’s symposium will be the recent progress in chemical mixtures research, emphasizing advances in mechanistic understanding. Topics for discussion include current risk assessment guidelines and practices in the field of chemical mixtures, and models and methods to evaluate mixtures; and pharmacokinetic and pharma- codynamic interactive mechanisms. The purpose is to identify critical data needs and important future research directions and to promote active dialogue on the role of mechanistic research on chemical mixtures in future risk- assessment strategies. For more information, please contact: RSD Conference Coordinator MD-70, Health Effects Research Laboratory, United States Environmental Protection Agency, Research Triangle Park, NC 27711 Telephone: 919-541-5193. FAX: 919-541-4002. Internet: meeting@email/hc45.epa.gov

CHEMICAL/BIOMEDICAL ENGINEER to di- rect research efforts for the intravenous membrane oxy- genator development program at the University of Pitts- burgh. M.S. or Ph.D., minimum of three years of experi- ence working in biomedical product development re- quired. Responsibilities include the study of oxygenator technology or respiratory physiology desired. Open rank, full-time, non-tenured stream, proposed start date: Octo- ber 1, 1994. Closing date: September 15, 1994. Salary commensurate with experience. Send letter of application with salary requirements, curriculum vitae, and list of three references to: Dr. Marilyn A. Madcine, Office of the Execu- tive Vice President, Administration, University of Pittsburgh, Department of Surgery, P.O. Box 7533, Pittsburgh, PA 15213. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.
GLAXO, INC. and the UNIVERSITY OF NORTH CAROLINA announce the SIXTH ANNUAL
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Following are the distinguished GUS ’94 presenters

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Biophysics & Biophysical Chemistry
Johns Hopkins University

Prof. Larry Overman
Dept. of Chemistry
Univ. of California—Irvine

Dr. Kary B. Mullis
Nobel Laureate—Chemistry

Prof. Don C. Willey
Dept. of Biochemistry
Harvard University

Prof. Andrew G. Myers
Dept. of Chemistry
California Institute of Technology

Prof. Chi-Huey Wong
Dept. of Chemistry
Scripps Research Institute

Prof. Harry Noller
Center for Molecular Biology of RNA
Sinsheimer Laboratories
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Please send your name, address, affiliation and phone number along with the appropriate fees.

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SAMUEL LUNENFELD RESEARCH INSTITUTE
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TORONTO, CANADA

The Samuel Lunenfeld Research Institute is looking for scientists to work on independent research projects as part of well-established, interactive groups. Preference will be given to junior investigators, although outstanding candidates at any level are invited to apply. Cross-appointment to an appropriate department of the University of Toronto will be available.

▲ Molecular Biologist

Within the Molecular Biology & Cancer program, you will work on some broad aspects of the molecular control of signal transduction or the cell cycle, joining a group of five laboratories with interests in protein-tyrosine kinase signalling pathways, the genetics of signal transduction, oncogenes and tumor suppressor genes, and lymphoid cell differentiation and function. You will benefit from an informal network of laboratories in Toronto interested in the genetics, biochemistry and structure of signalling molecules. Responses are to be forwarded to: Dr. Tony Pawson, Chair, Search Committee in Molecular Biology, Samuel Lunenfeld Research Institute, Room 875, at the address below. Further information can be requested by email: Pawson@mshri.on.ca.

▲ Developmental Biologist

This group, involved in mammalian development, axon guidance in C. elegans and maternal-fetal interactions within the Development & Fetal Health program, is looking for an individual working on the cellular, molecular or genetic basis of embryonic development in any well-studied organism. The successful candidate will benefit from the new interdepartmental program in Development Biology at the University. Appropriate replies should be sent to: Dr. J. Rossant, Chair, Search Committee in Developmental Biology, Samuel Lunenfeld Research Institute, Room 884, at the address below. Fax: (416) 586-6588. Further information can be requested by email: Rossant@mshri.on.ca.

Applicants should include a brief statement of research interests and the names of three referees, by October 1, 1994, c/o: Mount Sinai Hospital, 600 University Avenue, Toronto, Ontario, Canada, M5G 1X5.
**DIRECTOR OF COMBINATORIAL CHEMISTRY DISCOVERY**

Drug discovery at Isis Pharmaceuticals exploits two fundamental technologies. The company's major focus is on antisense technology, the inhibition of gene expression by modified oligonucleotides. The second and complementary technology at Isis is combinatorial drug discovery. Isis currently has two drugs in clinical trials. ISIS 2105 is an antisense compound in Phase II designed to prevent the growth of certain strains of human papillomavirus. ISIS 2922, an antisense drug which prevents the growth of human cytomegalovirus (CMV), is in Phase II/III clinical trials. Isis has four compounds in preclinical development, the most advanced of which are an HIV compound discovered through the combinatorial program, and an inhibitor of ICAM-1.

In order to continue our development in this area, we are seeking a director-level scientist who will manage our combinatorial drug discovery approach. The successful candidate will be a seasoned manager who works well in a highly matrixed, cross-functional team environment. The candidate will have earned a Ph.D. in synthetic and/or medicinal chemistry, and will have had major pharmaceutical drug discovery experience and an extensive publication record. The director will manage a cross functional team currently consisting of thirteen scientists (seven Ph.D.s). Experience in anti-bacterials will be highly desirable.

Based in north San Diego County, Isis offers competitive salaries and excellent benefits including equity participation. Interested candidates should send cover letter and CV to: Isis Pharmaceuticals, Attn: HR Dept, Code 151, 2292 Faraday Ave., Carlsbad, CA 92008. EOE. No phone calls, please.

ISIS PHARMACEUTICALS

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**BROOKHAVEN NATIONAL LABORATORY**

**ASSISTANT SCIENTIST and POSTDOCTORAL RESEARCH ASSOCIATE**

Chemistry Department
High-Field Magnetic Resonance Imaging (MRI)

The new High-Field MRI Laboratory of the Brookhaven Center for Imaging and Neuroscience expects to have two positions open beginning 15 November 1994. One position will be at the level of Assistant Scientist and the other at the level of Postdoctoral Research Associate.

Persons filling these positions will be responsible for bringing into operation and maintaining a new 4-Tesla human MR instrument and collaborating with Brookhaven National Laboratory staff members on on-going in vitro MR and PET projects. The Assistant Scientist will also have the opportunity to develop an independent research program. The successful candidates must each hold a PhD degree involving NMR research, and, in the case of the Assistant Scientist, 1-3 years' postdoctoral experience in in vitro MR research.

Applicants should send curriculum vitae, and arrange to have three letters of reference sent by 30 September 1994 to: Dr. Charles S. Springer, Jr., Chemistry Department, Brookhaven National Laboratory, Upton, Long Island, NY 11973-5000. Equal Opportunity Employer m/f/d/v.

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**SCIENTIST**

Molecular Biosystems, Inc (MBI) a Southern California based pharmaceutical company, is a leader in the development and production of contrast agents for medical imaging.

MBI is seeking a team-oriented Scientist who will be responsible for manufacturing technical support and troubleshooting, as well as characterization and development of analytical methods for novel ultrasound imaging products.

The successful candidate will have a PhD in Biochemistry, Bioanalytical Chemistry or equivalent experience, with 6 years experience in protein characterization and assay development. Experience in cleanroom environment, pharmaceutical manufacturing and regulatory compliance is preferred.

Interested and qualified candidates should send resume and salary requirement to:

MBI, HR Dept A27-95, 10030 Barnes Canyon Road, San Diego, CA 92121.

Equal Opportunity Employer

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**PROVOST NAVAL POSTGRADUATE SCHOOL**

Monterey, California

The Naval Postgraduate School is seeking to fill the position of Provost. The School provides fully accredited graduate level education for Naval officers as well as officers and government civilians of other services and nations. It awards annually approximately 800 Masters' degrees in 37 curricula, plus a number of Doctorates, has more than 300 full-time faculty and is located on a 5 site, 600 acre campus adjacent to Monterey Bay.

The Provost is the principal academic officer at the School, and reports directly to the Superintendent, a Navy Rear Admiral. He or she is responsible for administering the academic and research programs, and must establish and maintain strong linkage through the highest levels of the Navy and the Defense Department. Additionally, the Provost is the principal liaison between the School and other universities. As leader of and in consultation with the faculty, the Provost develops and implements a long term strategic plan for the School. He or she is responsible for seeing that an effective administration structure is in place to realize the School's vision. Ideally, candidates will have significant executive leadership experience in academia and within the Government and have a earned Doctorate.

Applications, including a current resume, the names, addresses and phone numbers of three references will be accepted until 15 September 1994, should be submitted to:

Dean Paul J. Matteo
Naval Postgraduate School
589 Dyer Road, Building 235
Monterey, California 93943-5138
Telephone: (408) 656-2098

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For application materials contact:

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1995 KEYSTONE SYMPOSIA on Molecular and Cellular Biology

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Application/Abstract Deadline: Sept. 7, 1994

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January 5-11, 1995; Keystone, Colorado

Bacterial Chromosomes — 300
Organizers: Nancy Kleckner and John Roth
January 6-12, 1995; Santa Fe, New Mexico

Plant Cell Biology: Mechanisms, Molecular Machinery, Signals and Pathways — 500
Organizers: Natasha V. Raikhel and Christopher J. Lamb
January 7-13, 1995; Taos, New Mexico

Drug Delivery: Barriers to Drug Transport and the Design of Novel Therapeutic Agents — 350
Organizers: W. Mark Saltzman and Rakesh K. Jain
January 7-13, 1995; Hilton Head Island, South Carolina
Sponsored by AMGEN, INC.

Molecular Toxicology — 300
Organizers: Spencer Faye and Armen Tashjian
January 9-15, 1995; Copper Mountain, Colorado

Ribozymes: Basic Science and Therapeutic Applications — 400
Organizers: Thomas R. Cech, Christine Guthrie and J. Joseph Marr
January 15-21, 1995; Breckenridge, Colorado
Sponsored by WARNER-LAMBERT CO. AND THE DIRECTOR'S SPONSORS FUND

Mucosal Immunity: New Strategies for Protection Against Viral and Bacterial Pathogens — 200
Organizers: Marian R. Neutra, Jiri Mestecky, Jean-Pierre Kraschenbuhl and Jan Holmgren
January 16-23, 1995; Keystone, Colorado
Sponsored by IMMUNE CORP. AND THE DIRECTOR'S SPONSORS FUND

Molecular Aspects of Viral Immunity — 400
Organizers: Carol S. Reiss, Barry T. Rouse, Rafi Ahmed, Peter C. Doering, and Thomas J. Braciale
January 16-23, 1995; Keystone, Colorado
Sponsored by IMMUNE CORP. AND THE DIRECTOR'S SPONSORS FUND

Genetic Networks — 350
Organizers: William F. Loomis, Lee Hartwell and Paul Sternberg
January 20-26, 1995; Santa Fe, New Mexico

Application/Abstract Deadline: Sept. 28, 1994

Cancer Cell Invasion and Motility — 300
Organizers: Garth L. Nicolson and Lance A. Liotta
February 5-11, 1995; Tamarindo, Costa Rica

The Molecular Basis for Differences Between the Sexes — 300
Organizers: Bruce S. Baker, Barbara J. Meyer and Robin Lovell-Badge
February 12-18, 1995; Tamarindo, Costa Rica

Molecular Mechanisms in Tuberculosis — 300
Organizers: Gilla Kaplan and Patrick J. Brennan
February 19-25, 1995; Tamarindo, Costa Rica
Sponsored by ABBOTT LABORATORIES AND THE DIRECTOR'S SPONSORS FUND

Molecular Motors — 200
Organizers: David R. Burgess, Thomas Pollard, Winfield Saul and Leah Haimo
February 19-25, 1995; Taos, New Mexico

Functions of the Cytoskeleton in Cell Growth, Organization and Differentiation — 300
Organizers: Jeannette Chloe Bulinski and Kathleen Green
February 19-25, 1995; Taos, New Mexico

Host-Fungus Pathogenic Interactions — 500
Organizers: Donald Nuss and Yigal Kolin
February 25-March 3, 1995; Taos, New Mexico

Synapse Formation and Function: The Neuroumolecular Junction and Central Nervous System II — 300
Organizers: Miriam M. Salpeter and Darwin K. Berg
February 26-March 4, 1995; Tamarindo, Costa Rica

Heat Shock (Stress) Proteins in Biology and Medicine — 350
Organizers: William J. Welch and Larry Hightower
February 27-March 5, 1995; Santa Fe, New Mexico

Processing Enzymes: Biochemistry, Genetics and Clinical Relevance — 200
Organizers: Nabil G. Seidah, Michel Chretien and Gary S. Jacob
March 2-8, 1995; Lake Tahoe, California

Apoptosis (Programmed Cell Death) — 300
Organizers: John A. Cidlowski and John C. Cohen
March 5-11, 1995; Tamarindo, Costa Rica

Molecular Approaches to Marine Ecology and Evolution — 300
Organizers: Howard R. Lasker, Mary Alice Coffroth and Eldredge Berningham
March 5-11, 1995; Santa Fe, New Mexico

Discovery of Therapeutic Agents — 200
Organizers: Barrie Hepp, Paul S. Anderson and Charles A. Harber
March 9-15, 1995; Lake Tahoe, California
Sponsored by ZENECA PHARMACEUTICALS GROUP

Application/Abstract Deadline: Oct. 19, 1994

Dendritic Cells: Antigen Presenting Cells of T and B Lymphocytes — 500
Organizers: Jacques Banchereau and Ralph Steinman
March 10-16, 1995; Taos, New Mexico

Environmental Biotechnology — 225
Organizers: James J. Valdes, Ananda M. Chakrabarty and Michael Bagdasarian
March 16-22, 1995; Lake Tahoe, California

Control and Manipulation of the Immune Response — 500
Organizers: Jacques F.A.P. Miller, Charles A. Janeway and Eli S. Sercarz
March 16-22, 1995; Taos, New Mexico
Sponsored by GENENTECH, INC. AND SMITHKLINE BEECHAM PHARMACEUTICALS

Toward the Genetic Manipulation of Insects — 400
Organizers: Bruce M. Christensen, Nancy E. Beckage, Alexander S. Raikhel, Anthony A. James, Ann M. Fallon and Richard ffrench-Constant
March 17-23, 1995; Tamarindo, Costa Rica
Sponsored by THE JOHN D. AND CATHERINE T. MACARTHUR FOUNDATION

Metal and Oxygen Regulation of Gene Expression — 200
Organizers: Anne O. Summers, Barry Rosen, Dennis Thiele, Tom Curran and Max Costa
March 18-24, 1995; Park City, Utah

Repair and Processing of DNA Damage — 600
Organizers: Errol C. Friedberg, Tomas Lindahl and Graham C. Walker
March 23-29, 1995; Taos, New Mexico
Sponsored by GLAXO RESEARCH INSTITUTE

Gene Therapy and Molecular Medicine — 500
Organizers: Savio L.C. Woo, Michael Blaese and Joseph Glorioso
March 26-April 1, 1995; Steamboat Springs, Colorado
Sponsored by WARNER-LAMBERT CO. AND THE DIRECTOR'S SPONSORS FUND

Frontiers of Plant Morphogenesis — 250
Organizers: Richard J. Cyu and Barry A. Palevitz
March 29-April 4, 1995; Hilton Head Island, South Carolina

Signal Transduction in Plants — 450
Organizers: Daniel F. Klessig and Winslow Briggs
March 29-April 4, 1995; Hilton Head Island, South Carolina

Application/Abstract Deadline: Nov. 2, 1994

Science and Engineering of Immunoprotected Cell Transplants — 250
Organizers: Michael Lysaght, Patrick Aebischer and Thomas Flanagan
April 2-8, 1995; Frisco, Colorado

Frontiers of NMR in Molecular Biology - IV — 750
Organizers: Stephen W. Feak, Thomas L. James and Gerhard Wagner
April 3-9, 1995; Keystone, Colorado
Sponsored by ABBOTT LABORATORIES AND THE DIRECTOR'S SPONSORS FUND

The Molecular and Cellular Basis of Human Neurodegenerative Disease — 400
Organizers: Sangram S. Sidotio and Samuel E. Gandy
April 3-9, 1995; Breckenridge, Colorado
Sponsored by GENENTECH, INC. AND SMITHKLINE BEECHAM PHARMACEUTICALS

The Nuclear Matrix: Involvement in Replication, Transcription, Gene Splicing and Cellular Regulation — 300
Organizers: Ronald Bereznay and Gary Stein
April 4-10, 1995; Hilton Head Island, South Carolina

Epigenetic Regulation of Transcription — 400
Organizer: Gordon Hager
April 4-10, 1995; Hilton Head Island, South Carolina

HIV Pathogenesis — 600
Organizers: Margaret Johnston and Warner Greene
April 17-23, 1995; Keystone, Colorado
Sponsored by THE JOHN D. AND CATHERINE T. MACARTHUR FOUNDATION

Registration for a meeting in an outlined group qualifies for attendance in either meeting in that group.

For more information, please contact:
Keystone Symposia, Department S, Drawer 1630, Silverthorne, CO 80498 • Phone: (303) 262-1230 • Fax: (303) 262-1525
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We seek a Research Scientist to work with a scientific programmer and provide general support for a high-throughput sequence analysis project. Research functions will include the establishment of new analyses and refining existing analyses with a goal of maximizing the signal-to-noise ratio. Candidate must have a Ph.D. in Molecular Biology or related field. Also requires knowledge of diverse gene families and genetic diseases, four years' experience with DNA and protein sequence analysis and comparison, familiarity with the concepts of relational databases, and at least 3 years' programming experience. Excellent communication skills with non-experts is essential. Familiarity with 4th Dimension for the Macintosh is desired. (Job Code: OA-SC-SC-004).

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Coordinate a wide variety of processes related to GMP production runs including ordering raw materials, issuing run schedules and documentation, and coordinating media and clean-up preparation. You will also coordinate in-process sample submission and testing, equipment cleaning, and process documentation.

Requires a BA/BS in Life Sciences or Engineering, and 6 months to 2 years of relevant experience. Candidates should be detail-oriented team players with the ability to juggle multiple tasks, and a demonstrated interest in biotechnology. Ability to lift 75 lbs is essential. Knowledge of aseptic techniques, cGMPs, and the pharmaceutical industry is desired. Mac literacy is a plus. (Job Code: OA-SC-LD-010).

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

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**POSTDOCTORAL/PROFESSIONAL RESEARCH FELLOWSHIPS**

**DEPARTMENT OF PHARMACOLOGY**

**UNIVERSITY OF CALIFORNIA, IRVINE**

Several Postgraduate Researcher positions are available in individual laboratories in the Department for candidates who have demonstrated research promise at the postdoctoral level. The emphasis of research in the Department is in the areas of neuropharmacology, cellular and molecular pharmacology, and cardiovascular pharmacology. The faculty of the Department and their research interests are:

- **Dr. Sue Duckles**: Vascular function: Age and gender
- **Dr. Fred Ehlert**: Musacanic receptors and their signaling mechanisms
- **Dr. Kelvin Gee**: Characterization of novel modulatory sites on GABAA receptor complex
- **Dr. Frances Leslie**: Drugs of abuse and cellular plasticity
- **Dr. Ralph Purdy**: Vascular 2nd messengers; vasoconstrictor synergism
- **Dr. Larry Stein**: Cellular basis of reward, learning & memory; behavioral pharmacology; drug discovery
- **Dr. Eckard Weber**: Novel NMDA antagonists; stroke therapy drugs

Applications or inquiries for additional information should be sent to: Dr. Larry Stein, Professor and Chairman, Department of Pharmacology, University of California, Irvine, 360 Med Surg II, Irvine, CA 92717-4625. UCI: rooted in education, enriched by diversity.

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**APOLIPROTEIN EXPERT**

Research Scientist with experience in the fields of transcription and apolipoprotein metabolism. This individual will be responsible for the molecular dissection of the role of apolipoprotein A1 in HDL metabolism as well as identifying novel targets for drug discovery. Dept. MB

LIGAND offers an exciting intellectual environment with modern research facilities in San Diego, an elite center for biomedical research. We offer a competitive salary and benefits package with stock options. Please submit your CV to: LIGAND Pharmaceuticals, Human Resources, Dept. MB, 9393 Towne Center Dr., San Diego, CA 92121; FAX: (619)535-3906. EOE.
OAK RIDGE ASSOCIATED UNIVERSITIES

EXECUTIVE DIRECTOR

ORAU - NSF FELLOWSHIP OPERATIONS

(REFERENCE # 276-94)

Oak Ridge Associated Universities (ORAU) is seeking nominations and applications for the position of Executive Director of the ORAU staff responsible for the conduct of support operations for the National Science Foundation (NSF) Graduate Research Fellowship Program (GRFP). The position will be in Oak Ridge, Tennessee.

ORAU supplies the support services under a contract with the NSF, which prior to 1993, contracted with the National Research Council for the conduct of the program authorized in the NSF Act of 1950 (Section 10, 42 U.S.C. 1869, as amended). Under this authorization, NSF has awarded fellowships yearly since 1952, and in 1993-94 program cycle, over 1,100 fellowship awards for three-years of education in the sciences and engineering were made to outstanding U.S. citizens, nationals, or permanent residents.

ORAU's services include: preparation, printing, and distribution of program announcement and application materials (~ approximately 30,000); receipt and processing of applications for review and evaluation (approximately 10,000); nomination to NSF and upon approval, invitations to scholars in all of the eligible academic disciplines to serve as panelists for the review and rating of applicants (approximately 650 invited, 450 acceptances); logistical arrangements and conduct of the panel meetings (currently 19 panels meet in the Washington, DC area); processing results of panelists' ratings and reporting to NSF results by Quality Groups (NSF determines final awardees and makes the awards); performance of required statistical analyses for NSF. The Executive Director is responsible for both the Oak Ridge Office, which serves as the main processing center, and a small Washington Office. During the application processing phase, a staff of approximately 24 persons is involved at panels, additional temporary personnel are added as needed. As a contractor, ORAU does not influence any part of any process on behalf of any individual or institution.

Established in 1946, ORAU is a private not-for-profit corporation and a consortium of 82 doctoral-granting colleges and universities. ORAU works with and for the government, academia, and the private sector to foster capabilities that are critical to the nation's well-being and economic security, particularly in science, technology, and education. ORAU helps faculty and students gain access to federal research facilities and, in addition, organizes alliances in research, policy, and international areas where the collective strengths of its members can be focused on issues of national importance. ORAU's programs are carried out by over 900 full-time staff and a budget of over $70 million.

Qualifications for the position include:

* Preferably an earned doctorate in a science or engineering discipline
* Significant experience in graduate education including graduate student admissions and direction of graduate research
* Demonstrated administrative experience including staff management, budgeting, responsible budget management, effective interaction with program sponsors, preferably from the perspective of a research university, and ability to meet deadlines in a complex, staff intensive environment
* Demonstrated skill with and commitment to gender, multi-ethnic, and multicultural issues and to strengthening the diversity of the human resource base of science, mathematics and engineering
* Demonstrated commitment to ensuring quality in graduate education and the importance of ability as the prime criterion in the review process

Applications or nominations should be mailed to:

Mr. John H. Hicks, Manager, Employment
Office of Human Resources
Oak Ridge Associated Universities
P.O. Box 117, Oak Ridge, TN 37831-0117

Applications should be received no later than 3 October 1994 and should be accompanied by a resume and the names, titles, addresses and telephone numbers of at least three professional references.

ORAU is an Equal Opportunity/Affirmative Action Employer

NATIONAL INSTITUTES OF HEALTH

PUBLIC HEALTH SERVICE

DEPARTMENT OF HEALTH AND HUMAN SERVICES

The National Institutes of Health (NIH) invites applications for the position of Associate Director for Behavioral and Social Sciences Research, Office of the Director. This position may be filled through (1) Civil Service appointment in the Senior Executive Service (SES), (2) leave from a university or state or local government agency to serve on an Intergovernmental Personnel Act (IPA) assignment, or (3) appointment as a Special Expert. The salary ranges from $92,900 to $115,700 per year plus 4.23 percent locality pay for a Federal appointee. A one-year probationary period must be served by knowledge of behavioral and social sciences research and policy if not currently or formerly in the career Senior Executive Service.

The position of Associate Director for Behavioral and Social Sciences Research also serves as Director, Office of Behavioral and Social Sciences Research and is responsible for (1) providing advice and counsel to the NIH Director; (2) providing leadership and direction in the development, refinement, and implementation of a trans-NIH plan to increase the scope and support of behavioral and social sciences research; (3) developing initiatives designed to stimulate the behavioral and social sciences areas and integrate a biobehavioral perspective across the research areas of the NIH; (4) establishing and maintaining organizational linkages on NIH behavioral and social sciences issues across the DHHS, other Federal agencies, academic institutions and health organizations to ensure research findings are disseminated to the public; and (5) establishing and overseeing a program advisory committee on behavioral and social sciences.

Applicants must possess research experience in behavioral or social sciences research and knowledge of basic and clinical research programs and public policy relevant to the social and behavioral sciences research fields. Desirable factors which should also be addressed: (1) Applicants should demonstrate substantive knowledge of behavioral and social sciences research and policy, as well as the ability to communicate with scientific and lay audiences; (2) Applicants should demonstrate the ability to plan, direct and evaluate research programs; (3) Applicants will be evaluated on type and extent of training and education; and (4) Applicants will be evaluated on honors and awards received.

Applicants are required to submit a Application for Federal Employment (SF-171), available at all Federal Job Information Centers and Federal Personnel Offices. Resumes are not acceptable applications. Additionally, applicants may send a curriculum vitae and a bibliography. The vacancy announcement ODI-94-1071 with mandatory/desirable qualifications requirements can be obtained by calling (301) 402-4111. Application material must be sent to the following address:

National Institutes of Health
Office of the Director Personnel Office
Attention: Deborah Kraut, Building 31, Room 1C27
9000 Rockville Pike, Bethesda, Maryland 20892

APPLICATIONS MUST BE POSTMARKED NO LATER THAN OCTOBER 17, 1994. Public Health Service Commissioned Officers wishing to enter the SES must follow the above procedures. Officers interested in performing the duties of the position within the NIH Commissioned Corps may submit a resume to the above address.

SELECTION FOR THIS POSITION WILL BE BASED SOLELY ON MERIT, WITH NO DISCRIMINATION FOR NONMERIT REASONS SUCH AS RACE, COLOR, RELIGION, GENDER, NATIONAL ORIGIN, POLITICAL AFFILIATION, MARITAL STATUS, DISABILITY, AGE, SEXUAL ORIENTATION OR MEMBERSHIP OR NONMEMBERSHIP IN AN EMPLOYER ORGANIZATION.

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The Pharmaceutical Products Division has an excellent career opportunity at its Research and Development facilities in Murray Hill, NJ for a highly motivated SENIOR SCIENTIST.

To qualify, you will need a PhD or an MS and 4 years of relevant experience involving in vitro assay development and enzymatic kinetics. Knowledge of automated assay systems and protein purification would be a distinct asset. Ability to work both independently and as part of a team a must in addition to good computer, communication and interpersonal skills. The successful candidate will join a dynamic group devoted to the evaluation of new chemical entities by in vitro assay.

Ohmeda offers a competitive compensation package which includes an excellent salary and comprehensive, flexible benefits. For immediate confidential consideration, please send your resume and salary history to: Ohmeda Inc, P1-06, Box GC, 100 Mountain Avenue, Murray Hill, NJ 07974. Although we will review every resume, we will only be able to respond to qualified candidates. We are an equal opportunity employer M/F/D/V.

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BIOANALYTICAL CHEMISTRY GROUP LEADER - We will rely on you to manage and lead the Department of Bioanalytical Chemistry and Services. The department is responsible for preclinical and clinical assay development and services, including support of regulatory filings and pharmacological and clinical studies as well as development of state-of-the-art methods for detection and quantitation of oligonucleotides and their metabolites from biological sources. Participation in R&D projects involving in vivo administration of oligonucleotides. You will also prepare documents for patients, manuscripts for publication and conferences as well as reports required for ongoing regulatory interactions and filings. Qualified candidates will have 5-8 years’ experience in analytical nucleic acid or bioanalytical pharmacology and 3 years’ experience in an industrial environment that includes direct managerial responsibility for Ph.D.s and technical staff. A Ph.D. is required. Dept. 140.

RESEARCH ASSOCIATE - Your responsibilities include conducting biophysical studies to determine whether pharmacologically active compounds are suitable for scale-up and development. This position requires a strong background in biophysical methods, a general understanding of physical and analytical chemistry and familiarity with oligonucleotide or protein chemistry. A minimum of a BS in chemistry or related field and laboratory experience is required. Dept. 135.

A competitive salary and benefits package complement these offers. Interested candidates may submit their resume and cover letter indicating the position desired and Dept. number to: Human Resources,

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This newly created position per Diana Vandergrift is a faculty position reporting directly to the Dean of Research. The Coordinator will be responsible for stimulating, implementing and managing a technology transfer program covering the full spectrum of activities from identification of promising agreements, patenting, marketing, and licensing. The Coordinator must work closely with the School’s faculty and must represent the School externally in the technology transfer community. Minimum qualifications include a Master’s degree in science, engineering, or a related technical field. Candidates should possess excellent writing and verbal communication skills, and experience in R&D and technology transfer. Private sector experience is highly desirable; travel is required. Send application, including a current resume and three references, no later than 30 September 94 to:

Dr. Paul Marto
Dean of Research
Naval Postgraduate School
Monterey, CA 93943-5138
(408) 656-3241

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Gilbreath-McLorn Professorship of Veterinary Cardiology
University of Missouri-Columbia

The University of Missouri is proud to announce the establishment of the Gilbreath-McLorn Professorship of Veterinary Cardiology. This position was endowed to build on the excellence in basic cardiovascular sciences at the University of Missouri-Columbia in the College of Veterinary Medicine, The School of Medicine, and the Dalton Cardiovascular Research Center. The successful applicant will have the principal role in developing a strong program in clinical cardiology in the Department of Veterinary Medicine and Surgery and a primary of collaborative research program in cardiovascular sciences. He or she will have the opportunity to recruit a Cardiology Instructor/Fellow to assist in program development.

The successful applicant must possess a DVM/VMD degree and be a Diplomate of the Cardiology specialty of the American College of Veterinary Internal Medicine. Individuals with demonstrated skills building a nationally-recognized clinical program in cardiology and cardiovascular research will be given preference. An advanced degree and experience in training graduate students will be an asset.

Deadline for applications is October 1, 1994, or until a suitable candidate is identified. Please send a letter of intent, current curriculum vitae and list of references to:

Allen W. Hahn, D.V.M., Ph.D., Chair
Veterinary Cardiology Search Committee
A333 Clydesdale Hall
University of Missouri
Columbia, MO 65211

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Ph.D Scientist

RPI, a leader in the development of ribozyme-based pharmaceutical and agricultural products, is currently seeking a Ph.D level scientist to join our Drug Delivery group in our new facility in Boulder, Colorado.

The position requires 3+ years postdoctoral or pharmaceutical experience in the delivery of biopharmaceuticals. A strong background in both biophysical chemistry and cell biology is required.

We offer a competitive salary and benefits package, including a stock option plan. For consideration, please send a Curriculum Vitae and the names of three references to: Ribozyme Pharmaceuticals, Inc. Dr. Nassim Usman Director of Chemistry & Biochemistry Research 2950 Wilderness Place Boulder, Colorado 80301 FAX: 303-449-6995.

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Clinical Research Associate—PhD

TAP Pharmaceuticals Inc. is a joint venture between two of the world's leading health care companies. Building upon the strength of these two companies, TAP has enjoyed success and growth. We now have a scientifically challenging opportunity to become involved in the ground-floor drug development process and all phases of clinical research.

You will provide scientific expertise to support clinical trial studies related to new cancer compounds. Duties include developing protocols, presenting data, monitoring trials and interfacing with research centers.

We require a Ph.D with background in Molecular Biology. Experience in Clinical Research is desirable. Academic or fellowship experience is acceptable in lieu of industry experience. Accomplished oral and written communication skills are essential.

If you are looking for an exciting challenge and a chance to expand your career in drug development, send or fax your resume to: Human Resources, Dept. CRA-SC, TAP Pharmaceuticals, 2355 Waukegan Rd., Deerfield, IL 60015. Fax# 708/317-5799. An Equal Opportunity Employer M/F/D.

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ASSOCIATE DIRECTOR  
AGRICULTURAL  
EXPERIMENT STATION,  
OKLAHOMA  
STATE UNIVERSITY

The Division of Agricultural Sciences and Natural Resources invites applications and nominations for the position of Associate Director. The Associate Director will provide statewide, regional, and national leadership in fostering high-quality agricultural research programs and will lead the long range program planning for the Oklahoma Agricultural Experiment Station. The Associate Director will work with Division administrators to achieve effective coordination of teaching, research and extension programs within the Division. Requirements: (a) Doctorate degree in agricultural or biological science; (b) strong research record; (c) evidence of administrative experience; (d) qualification for appointment as Professor in an appropriate academic department. Applications should be made by September 30, 1994 to be assured full consideration. Please send nominations or letter of application, resume, transcripts, and a list of five references to Dr. Russell Wright, Chair, Search and Screen Committee, Department of Entomology, 127 NRC, Oklahoma State University, Stillwater, OK 74078-0464. Oklahoma State University and the Division of Agricultural Sciences and Natural Resources is an Affirmative Action/Equal Opportunity Employer, committed to Multicultural Diversity.

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POSTDOCTORAL/PROFESSIONAL RESEARCHER FELLOWSHIPS  
IN THE DEPARTMENT OF ANATOMY AND NEUROBIOLOGY  
UNIVERSITY OF CALIFORNIA, IRVINE

Several positions for research in individual laboratories in the Department are available for candidates who have demonstrated research promise at the postdoctoral and professional researcher series level. The emphasis of research in the Department is the Neurosciences with special expertise in neuromorphology, sensory physiology, and molecular neurobiology. The faculty of the Department and their research interests are:

- Dr. Robert H. Blankenship: Eye movement control, physiology of upper airway.
- Dr. James H. Fallon: Chemical neuroanatomy, transmitters and growth factors.
- Dr. Christine M. Gall: Limbic/olfactory anatomy, neurotransmitter gene expression.
- Dr. Roland A. Giolli: Visual motor system; structure/function relationships.
- Dr. Edward G. Jones: Transmitter regulation in primate cerebral cortex.
- Dr. Leonard M. Klasen: Auditory system anatomy and physiology.
- Dr. W. Ian Lipkin: Neurotropic viruses, viral pathogenesis, viral receptors, virus-based drug delivery systems, AIDS.
- Dr. Sandra E. Lowthian: Monoamines, peptides and growth factors, and their receptors.
- Dr. Diane K. O'Dowd: Function and regulation of ion channels in Drosophila and development of functional synaptic connections in mouse cortex.
- Dr. Charles E. Riba: Epilepsy, neurotransmitters and hippocampal circuits.
- Dr. Richard Robertson: Developmental neurobiology of cerebral cortex.
- Dr. Martin A. Smith: Regulation of gene expression during synapse formation.
- Dr. John E. Swatt: Spinal cord and peripheral nervous system.
- Dr. John H. Weiss: Mechanisms of degeneration of central neurons, Alzheimer's disease or ALS.

Applications or inquiries for additional information should be sent to:
Dr. Richard Robertson, Professor and Acting Chair
Department of Anatomy and Neurobiology
University of California, Irvine, 364 Med Surge II
Irvine, CA 92717-1725.

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PhD SCIENTIST
In Molecular Biology

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In addition to a stimulating research environment, careers with Pfizer offer competitive salaries, attractive benefits and the many lifestyle advantages found in scenic southeast Connecticut. For confidential consideration, please send your curriculum vitae and the names of three references to: Code: JT001, Employee Resources Dept., Pfizer Inc. Central Research Division, Eastern Point Road, Groton, CT 06340.

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Central Research

senior scientist
Molecular Biology

Wyeth-Ayerst Laboratories, a major division of Fortune 100 American Home Products Corporation, seeks an experienced Bone Cell Biologist for its Molecular Biology, Bone Metabolism and Osteoporosis Research group in Radnor, PA.

You will collaborate with a multidisciplinary team including pharmacologists, molecular biologists and chemists to develop drugs for the treatment/prevention of osteoporosis through the examination of molecular mechanisms regulating osteoblast/osteoclast cell function.

Requirements include a Ph.D. degree with specific expertise working with bone and bone cells in culture. Knowledge of molecular biology and recombinant DNA techniques is desired.

Wyeth-Ayerst offers a competitive salary, a comprehensive benefits program and an innovative environment with top professional colleagues. For confidential consideration, forward your resume and salary requirements to: Wyeth-Ayerst Research, Human Resources, Position #S-65-S, P.O. Box 8299, Philadelphia, PA 19101. Equal Opportunity Employer, M/F/D/V.

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- Remediation Practices

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- Environmental Fate of Hydrocarbons in Soils
- Analysis of Petroleum Contaminated Soils
- Immunossay Field Screening Techniques for Measuring Petroleum Hydrocarbons in Soils
- Fundamentals and Application of In Situ Bioremediation to Diesel Contaminated Soils
- Introduction to Horizontal Environmental Wells
- Site Characterization for Bioremediation Sites
- Use of TPH in State Regulatory Cleanup Standards
- Surfactant-Enhanced Soil Flashing/Washing
- Modeling Visualizaton of Hydrocarbon Fate and Transport

For More Information Contact The Conference Directors: Edward J. Calabrese, Ph.D. or Paul T. Kostecki, Ph.D. at (413) 545-2934
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3) An Assistant Professorial position in Mammalian Molecular Genetics. Exceptional candidates pursuing genetic approaches to any areas of mammalian biology are encouraged to apply. Of particular interest will be candidates with established expertise in the development of mouse genetic models. Search Committee Chair: Jean Y. Wang.

4) An Assistant Professorial position in Cell Biology. Exceptional candidates pursuing innovative approaches to any fundamental problem in cell biology are sought. Search Committee Chair: John W. Newport.

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<td>Lane M2</td>
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