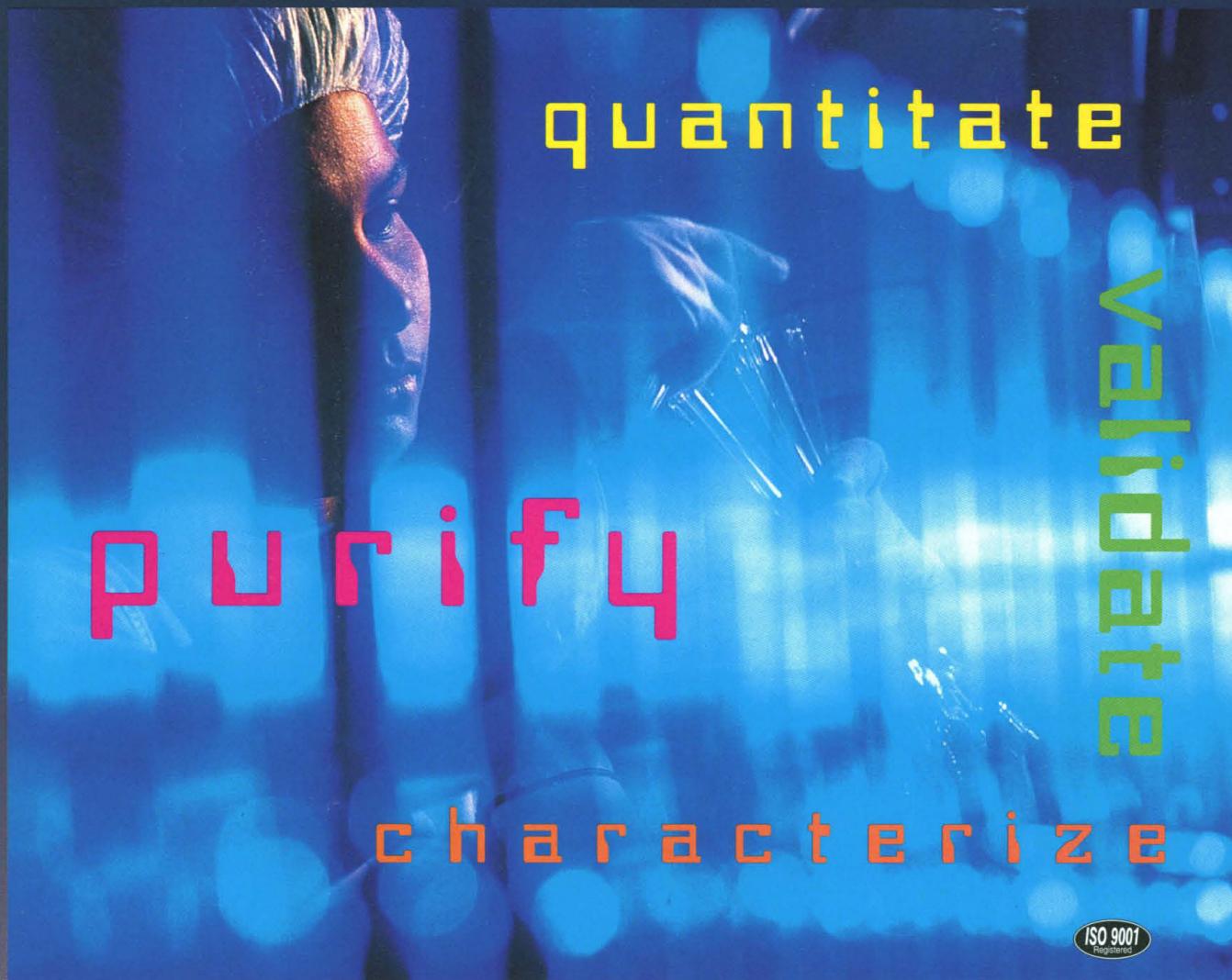


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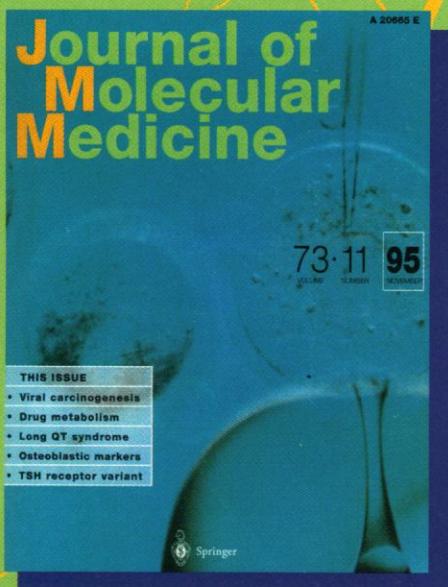
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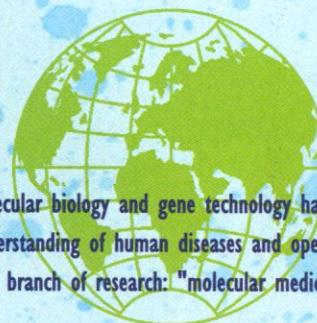
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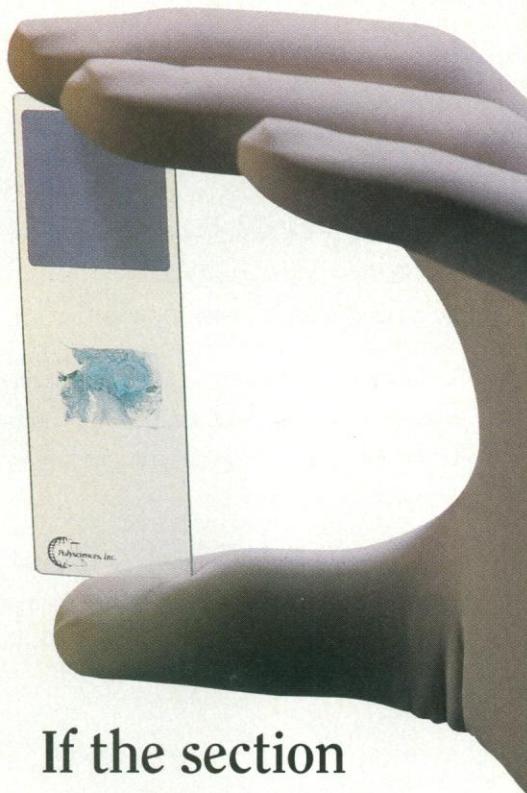
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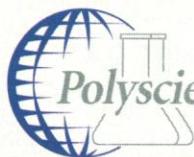
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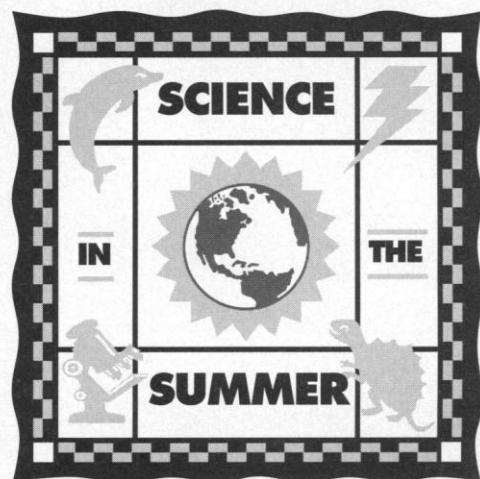


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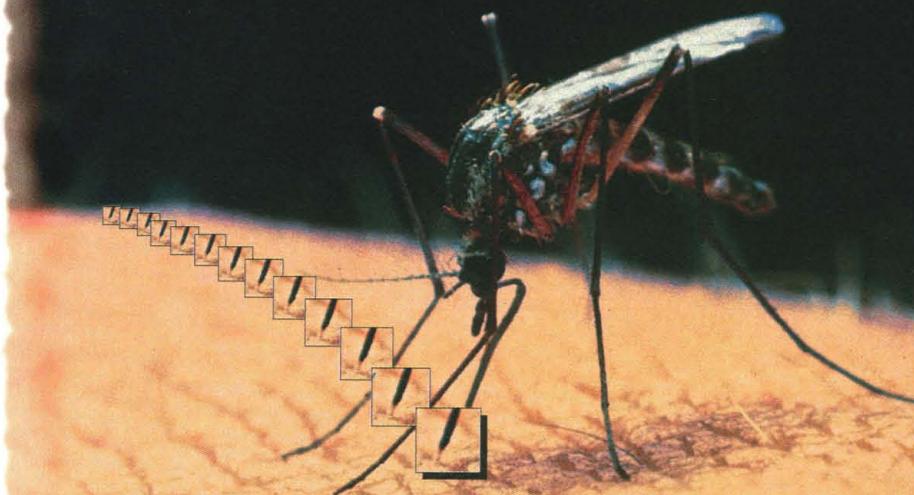
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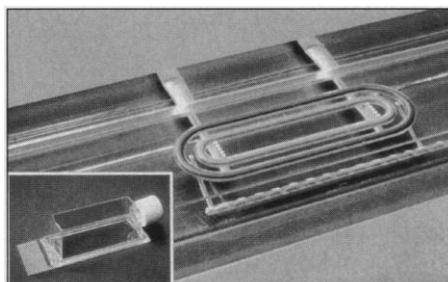
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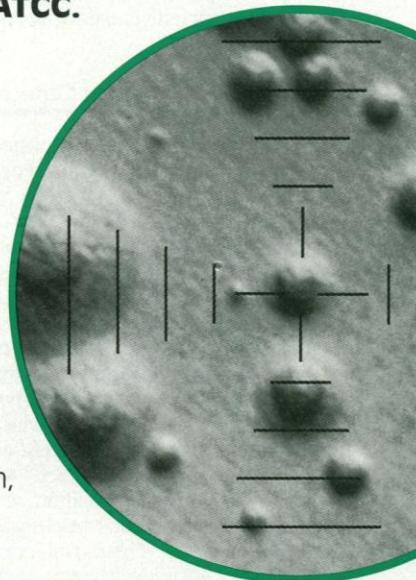
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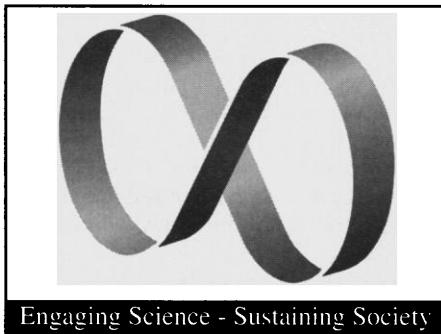


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ALBERT EINSTEIN COLLEGE OF MEDICINE
Advanced EPR Spectroscopy

The Department of Physiology and Biophysics at the Albert Einstein College of Medicine is seeking a faculty member with experience in solving biochemical problems by advanced EPR methods. Faculty rank in this **TENURE-TRACK** position will be determined by prior experience. The EPR laboratory, a NIH-funded research resource, is well-equipped with cw and pulsed EPR spectrometers and relevant test equipment. Numerous collaborative projects are available within the College as well as outside the institution. Applicants should send a curriculum vitae, letters from three or more references, and a summary of research interests and future research plans to: **Dr. Jack Peisach, Department of Physiology and Biophysics, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461.** *Equal Opportunity/Affirmative Action Employer.*

University of Florida seeks an **ASSISTANT PROFESSOR** of Medicine, Division of Gastroenterology. M.D. degree, with three years of internal medicine, three years of GI fellowship. The responsibilities will include diagnostic and therapeutic endoscopy including therapeutic biliary pancreatic endoscopy, attending in GI clinics at the VA Medical Center and Shands Hospital, and research activities focused on pancreatic disorders. Recruiting deadline July 12, 1996. Anticipated starting date August 1, 1996. Salary and benefits are commensurate with experience. Please send curriculum vitae to: **Dr. Christopher Forsmark, Associate Professor, Box 100277 JHMHC, Gainesville, FL 32610.** *An Equal Opportunity/Affirmative Action Employer.*

North Carolina Central University (NCCU) invites applications for the position of **DIRECTOR**, Environmental Science Program. This new, interdisciplinary B.S. program combines a core of courses in the sciences, policy, and social problems with specialized concentrations in the natural or social sciences. The Director, who reports to the Dean, coordinates course work across departments, recruits and advises students, seeks funding, conducts research, coordinates the departmental seminar and internship, and teaches one course in his or her area of specialty. The ideal candidate will demonstrate a successful background in teaching, development, fund-raising, and involvement with environmental problems confronting African American communities. Appointment to this tenure-track position will be at a faculty rank commensurate with the candidate's qualifications. Applications received by July 12, 1996 will be guaranteed consideration but will be accepted until the position is filled. Please send curriculum vitae, a brief statement of educational philosophy, and names of three references to: **Dr. Jay Messer, Environmental Search Committee, 215 Chemistry Building, North Carolina Central University, Durham, NC 27707.** *A constituent institution of the University of North Carolina System and an Equal Employment Opportunity/Affirmative Action Employer, NCCU complies with the Immigration Reform and Control Act of 1986. All employees must provide original documents verifying identity and employability within the first three days of employment.*

DIRECTOR, MASSEY CANCER CENTER

Medical College of Virginia/
Virginia Commonwealth University

Medical College of Virginia/Virginia Commonwealth University (MCV/VCU) seeks a nationally recognized leader of cancer research activity as **DIRECTOR** of its Massey Cancer Center, an NCI-designated Center since its inception in 1974 with basic and clinical research programs that have experienced considerable growth. There is a strong institutional commitment to provide resources for additional substantial growth. Applicant must hold an M.D. or Ph.D. degree, qualify for appointment at the rank of Professor, and demonstrate significant cancer-related scholarly accomplishments. Substantive managerial skills are strongly desired.

Experience working in an academic medical center and culturally diverse environment is preferred. Interested applicants should submit curriculum vitae by September 1, 1996 to: **Anthony V. Proto, M.D., Chair-Search Committee for the Director, Massey Cancer Center, MCV/VCU, P.O. Box 980470, Richmond, VA 23298-0470.** *The University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, and persons with disabilities are encouraged to apply.*

W E D E P E N D O N T H E

Commitment

Of Our Scientists.

It takes world-class employees to make a world-class company.

At Abbott Laboratories, our professionals are researching, developing and marketing the health care products that will make a significant impact on generations to come. As we expand our efforts to develop novel therapeutics, we seek the following professionals.

Abbott's Advanced Technology Division has openings for four scientists committed to High Throughput Screening (HTS) approaches for drug discovery. Working in a fast-paced multi-disciplinary environment, you will be responsible for accessing new screening technologies, implementing novel biochemical screens and identifying and characterizing lead compounds.

Senior Research Biochemist

Working in a core New Technology/Automation Group, you will supervise research associates, provide leadership in the acquisition of new HTS methods, develop existing technologies, evaluate new opportunities and implement new solutions to increase throughput/sensitivity. This will include development of existing high-level integrated automation, acquisition of new robotics and management of a custom LIMS for microtiter data.

We require 4-6 years of experience in biochemistry, pharmacology or a related field with at least 2 years of hands-on HTS experience. We also require hardware and software experience with laboratory automation from small workstations to fully integrated platforms. The qualified candidate must have excellent interpersonal and communication skills, and be an independent worker and self-starter. (Job # 96-JLW-6071)

Senior Research Pharmacologist

Working with Human Genomics, Computer Assisted Molecular Design and Combinatorial Chemistry, you will provide leadership in the development and implementation of new microtiter-based HTS across several therapeutic areas. This will involve the design and operation of new screens for novel targets. In addition, you will create a high capacity dose-response screening laboratory capable of supporting lead-explosion combinatorial chemistry. You may also undertake detailed studies to characterize the mechanism of action and selectivity of lead compounds.

We require 4-6 years of experience in biochemistry, pharmacology or a related field with at least 2 years of hands-on HTS or structure-activity relationship screening experience. The qualified candidate must have excellent interpersonal and communication skills, and be an independent worker and self-starter. (Job # 96-JLW-1161)

Associate Research Microbiologist

As a member of the BioMolecular Anti-infective Screening Group, you will assist in the implementation of new biochemical assays for the identification of lead compounds. You will have responsibility for operation of screens, evaluation of experimental results and overall quality control.

We require a BS/MS degree in microbiology and work experience in mechanism of drug action or drug discovery. An understanding of biochemical assays, critical evaluation of experimental results and excellent verbal and written communication skills are essential. Hands-on experience in an HTS environment a plus. (Job # 96-JLW-1263)

Associate Research Pharmacologist

As a member of the BioMolecular Neuroscience Screening Group, you will assist in the implementation of new biochemical assays for the identification of lead compounds. You will have responsibility for operation of screens, evaluation of results and overall quality control of the data.

We require a BS/MS degree in biochemistry, pharmacology or molecular biology and work experience in the characterization of neuroactive drugs. An understanding of biochemical assays, critical evaluation of experimental results and excellent verbal and written communication skills are essential. Hands-on experience in an HTS environment is a plus. (Job # 96-JLW-1161)

With 50,000 employees worldwide and more than \$10 billion in annual sales, we've established ourselves as a respected global business and innovative leader in the changing health care industry. For consideration, please send your resume with salary history to: Abbott Laboratories, Job # _____, D583, AP6B, 100 Abbott Park Road, Abbott Park, IL 60064. Abbott is an Affirmative Action Employer/Smoke-Free Environment.

ABBOTT
LABORATORIES
Quality Health Care Worldwide

Tenure Track Positions Assistant Professor Equivalent

Flavivirus Molecular Biology and Pathogenesis

The Laboratory of Infectious Diseases seeks an MD or PhD scientist to develop an independent research program that will focus on the molecular virology and pathogenesis of the flaviviruses of the tick-borne encephalitis complex. Space, technical and postdoctoral fellow support, supply budget, and salary are committed. Experience in molecular virology is required, preferably gained in part from research on flaviviruses. Applicants must be U.S. citizens or permanent residents. Submit applications to Dr. Jeffrey Cohen (OE-117), Chairperson, NIAID, Tenure-Track Search Committee, Building 10, Room 11N214, 10 CENTER DR MSC 1888, BETHESDA MD 20892-1888.

HIV-1 Structural Proteins and Virion Assembly

The Laboratory of Molecular Microbiology, National Institute of Allergy and Infectious Diseases seeks an MD or PhD scientist to develop an independent research program investigating the molecular, biochemical, and biological properties of HIV-1 structural proteins and their assembly into infectious progeny virions. Space, technical and postdoctoral Fellow support, supply budget, and salary are committed. Experience in molecular cloning, protein analysis, tissue culture procedures, HIV production and titration, and immunohistochemistry is desirable. Applicants must be U.S. citizens or permanent residents. Applications must be received within four weeks of the publication of this advertisement. Dr. Mark Challberg (OE-117), Chairperson, NIAID, Building 4, Room 213A, 4 CENTER DR MSC 0440, BETHESDA MD 20892-0440, or e-mail mchallberg@nih.gov

Nuclear Magnetic Resonance Spectroscopy

The Laboratory of Biophysical Chemistry seeks an independent, physical scientist to develop and apply innovative methods for the determination of three-dimensional structures of macromolecules of biological importance by nuclear magnetic resonance spectroscopy. Applicants should have demonstrated success in the application of novel NMR approaches to the determination of new structures of proteins and protein complexes and analysis of functional correlates. Salary will be commensurate with experience and the research will be fully funded. The successful candidate will be evaluated for tenure within six years. Applications must be received within six weeks of the publication of this advertisement. Office of the Scientific Director (OE-117), NHLBI, Building 10, Room 7N214, 10 CENTER DR MSC 1668, BETHESDA MD 20892-1668.

To Apply

Please send a cover letter, *curriculum vitae*, bibliography, a one- to two-page statement of research interests and goals, and selected publications to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three references who can provide an evaluation of your professional qualifications.

New WWW Site

Visit the new NIH Office of Education web site listing tenure-track positions, postdoctoral positions, and much more. Converse by e-mail with NIH investigators and apply electronically. Find us at <http://helix.nih.gov:8001/oe>



National Institutes Of Health

Office Of Education

The NIH is an Equal Opportunity Employer

DNA SEQUENCING

Scientist

SmithKline Beecham Pharmaceuticals, a worldwide leader in pharmaceutical research, has challenging opportunities for a Scientist with DNA sequencing expertise to join the staff of the Department of Molecular Genetics. The Department of Molecular Genetics is a dynamic group of scientists whose activities encompass basic and applied research in a broad spectrum of therapeutic areas including hematopoiesis, bone, cardiovascular, pulmonary, renal, CNS and infectious diseases.

The successful candidates must have proven experience in automated DNA sequencing, oligonucleotide synthesis and/or automated template preparation. Experience in standard RNA/DNA methodologies is also required. Experience in bacteriology and/or bacterial genomics is a plus. Individuals with a Bachelor's degree with at least two years' experience in running a nucleic acid core facility are also encouraged to apply.

SmithKline Beecham offers a competitive compensation/benefits/relocation package as well as the opportunity for growth in a scientifically intense environment structured on creativity, teamwork, and commitment. Qualified candidates should send CV and three references to: SmithKline Beecham Pharmaceuticals, Job Code H6-0164DS, P.O. Box 2646, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.



SmithKline Beecham
Pharmaceuticals

Challenging the natural limits.

RESEARCH OPPORTUNITIES

Amgen, the world's largest biotechnology company, currently has exciting opportunities available in its Boulder facility for:

Research Associate-Peptide Chemistry

Currently, our Peptide Technology Group seeks a team-oriented individual with a strong background in solid-phase and solution phase peptide chemistry. Must have a B.S. degree in Chemistry or related field, plus five years' experience or an M.S. degree plus three years' experience in an industrial or academic setting.

Research Associate-Combinatorial Chemistry

We are seeking a skilled, team-oriented organic chemist to join our New Leads Chemistry Group. This position requires a B.S. or M.S. degree in Chemistry or related field, plus five or more years' experience in an industrial setting. Individuals with demonstrated expertise in solid phase organic synthesis are preferred.

Research Associate-Position DNA Group

We are searching for an individual to join the oligonucleotide production team. This position involves the synthesis, purification and distribution of oligonucleotides for research use. A B.S. degree in Chemistry, Biology or a related field and laboratory research experience is required. Must be detail-oriented and possess excellent communication skills.

We recognize that diverse perspectives are a key factor in the process of discovery.

At Amgen, you'll find our approach as rewarding as it is effective. We offer a highly competitive compensation and benefits package. Please e-mail your resume/c.v. to: jobs@amgen.com or mail your resume to: Amgen, Boulder, Human Resources, Dept. BPSC-CHEM, P.O. Box 19409, Boulder, CO 80308-2409. Please consult our on-line Job Bulletin Board at <http://www.bio.com> for information on other career opportunities available at Amgen. Principals only, please.

EEO/AA Employer M/F/D/V.

AMGEN.

Bioinformatics



THE DISCOVERY
SUPERHIGHWAY

Wyth-Ayerst Research is currently building a Bioinformatics Core Technology Group, which will be located at its headquarters facility in Radnor, Pennsylvania. The group will support all divisions of Discovery Research and will conduct independent research in bioinformatics and its application in the drug discovery process.

We are seeking motivated, enthusiastic candidates with expertise in bioinformatics, including cross-training and multi-disciplinary experience in molecular or structural biology and computer science. These job opportunities offer successful candidates the opportunity to contribute to the establishment of the group and to the determination of the long-term direction of Bioinformatics research at Wyeth-Ayerst, while at the same time offering the support and depth of resources made available by our position as one of the world's leading pharmaceutical research companies.

Director/ Associate Director

As the head of our Bioinformatics group, you will be a key player in the Discovery Research organization at Wyeth-Ayerst, responsible for ensuring that the Bioinformatics group functions as an integrative and cross-disciplinary unit with a strong understanding of the science of bioinformatics. The selected candidate will advise bioinformatics researchers, coordinate/prioritize the use of bioinformatics in the identification and validation of molecular targets for drug discovery, and function as the primary interface between Wyeth-Ayerst Research and its external bioinformatics partners. Additionally, you will play an integral role in establishing and maintaining cross-functional contact with our divisions of Research Computing and Information Sciences & Services regarding bioinformatics. Requirements include a doctorate degree in the life sciences, preferably in Molecular Biology or Genetics, and a minimum of 6-8 years of postdoctoral research experience in computer science, informatics, database management and genomics technologies. Supervisory experience (4-6 years) is also required (research and clerical staff), as well as multiple project and laboratory management skills. **Position # OPSCI-1962**

Bioinformatics Scientist

Possessing skills in laboratory automation, laboratory information management, molecular biology, and computational science, you will be responsible for establishing, supervising and troubleshooting the flow of genomic data from both internal and external sources. Requirements include a doctorate degree in computer science or biology, with a strong understanding of genetics and molecular biology. Candidates should have 3-5 years of experience with the UNIX operating system, laboratory automation or information management (LIMs) and database management. Perl programming and UNIX shell scripting skills are a must. **Position # OPSCI-1960**



Genome Analyzer

The selected scientist will be responsible for maintaining the currency of public databases and keeping abreast of new public resources. Your skills in molecular biology, statistical analysis and computational science will enable you to interface with discovery scientists and assist with database searches and the analysis of resulting data; act as a consultant and teacher to enhance utilization of bioinformatics technology throughout Discovery Research; and implement user needs in database searching integration. Specific responsibilities include interpreting similarity sequence searches, multiple sequence alignments and gene expression patterns and quality control of sequence data. In addition, you will develop and/or implement new tools and paradigms in computational biology. Requirements include a doctorate degree in the life sciences (preferably Molecular Biology, Biochemistry or Structural Biology) with 3-5 years of postdoctoral research experience in computer science, informatics, database management and genomics technologies. **Position #OPSCI-1959**

Computational Biologist

You will have overall responsibility for applying Bioinformatics to the process of gene and target discovery. Working in close collaboration with scientists in areas such as Cardiovascular and Metabolic Disorders, Oncology, Infectious Diseases and Women's Health, the selected scientist will design and carry out experiments using Bioinformatics to identify novel disease genes that may become targets for drug discovery research. Based on this research, you will develop and/or implement new tools and paradigms in computational biology, act as a consultant and teacher to enhance utilization of bioinformatics throughout Discovery Research, and implement user needs in database searching and integration. Requirements include a doctorate degree in the life sciences (preferably Molecular Biology, Biochemistry or Structural Biology) and 3-5 years postdoctoral research experience in computer science, informatics, database management and genomics technologies. **Position # OPSCI-1958**

Wyeth-Ayerst offers an excellent compensation and benefits package in a highly professional environment. Please send your resume with salary requirements including Position #, to: **Wyeth-Ayerst Research, Human Resources Dept., P.O. Box 7886, Philadelphia, PA 19101-7886. Fax: (610) 989-4854 (fine mode), e-mail: jobs@RAMAIL1.wyeth.com** (ASCII format, no attachments, subject: resume)

Principals Only. Equal Opportunity Employer, M/F/D/V.

POSITIONS OPEN

Tenure-track **ASSISTANT PROFESSOR**. Ph.D. in biochemistry or cell biology and expertise in Alzheimer's and other neurodegenerative diseases are required to teach students and establish an active research program in Alzheimer's disease. Submit a curriculum vitae, a statement of research interests, and names and addresses of references to: **Chair, Division of Neuropathology Search Committee, Institute of Pathology, Case Western Reserve University, 2085 Adelbert Road, Cleveland, OH 44106. Equal Employment Opportunity/Affirmative Action.**

**ASSISTANT/ASSOCIATE PROFESSOR
NEUROBIOLOGY/SIGNAL TRANSDUCTION**
University of Florida College of Medicine

The Department of Pharmacology and Therapeutics in conjunction with the University of Florida Brain Institute and its program in Signal Transduction and Drug Discovery invites applications for a **TENURE-TRACK FACULTY** position for individuals having a Ph.D. and/or M.D. degree. The position is in part supported by the Lucille P. Markey Charitable Trust. The successful candidate will be expected to develop an independent and interactive research program and contribute to the teaching of professional and graduate students. Applicants with demonstrated productivity using molecular and cellular approaches to study CNS signal transduction are particularly encouraged to apply, although other related areas will also be considered. The position offers a competitive salary, excellent research facilities and start-up package. Applicants should send their curriculum vitae, a brief description of research interests, and three letters of recommendation to: **Chair, Search Committee for the Markey Faculty Scholars Program, Department of Pharmacology, Box 100267, University of Florida, Gainesville, FL 32610-0267. Application deadline is July 30, 1996 with a start date on or after September 1, 1996. The University of Florida is an Equal Opportunity Employer, and minorities and women are especially encouraged to apply.**

ASSISTANT PROFESSOR OF BIOLOGY
Purchase College
State University of New York

The Biology Program of the Division of Natural Sciences invites applications for a tenure-track **ASSISTANT PROFESSORSHIP** available September 1996. Teaching responsibilities include teaching of the General Introductory Biology Laboratories and supervision of biology laboratory preparation. A Ph.D., teaching experience, and research experience are required. The establishment of a research program that will involve undergraduates is expected. Send curriculum vitae, graduate transcripts, and summary of research plans, and arrange for three letters of recommendation to be sent to: **Biology Search Committee, Division of Natural Sciences, Purchase College, State University of New York, 735 Anderson Hill Road, Purchase, NY 10577. Review of applications will begin immediately and continue until position is filled. Purchase College has excellent research facilities and is an Affirmative Action/Equal Opportunity Employer.**

VERTEBRATE BIOLOGIST
Department of Organismic and
Evolutionary Biology
Harvard University

The Department seeks a vertebrate biologist who employs experimental, integrative approaches to address major problems in whole organism biology. We are especially interested in individuals whose research experience and interests are based in physiology, physiological ecology, or functional anatomy, and who utilize approaches to understanding the diversity of form and function across major taxonomic groups. The appointment will be to a tenured **PROFESSORSHIP**, and the incumbent will be expected to assume the Directorship of the Concord Field Station of the Museum of Comparative Zoology. Applicants should submit by 1 September 1996 a curriculum vitae, a statement of research and teaching interests, and the names and addresses of three references to:

Professor Farish A. Jenkins, Jr.
Chairman, Vertebrate Biology Search Committee
Department of Organismic and Evolutionary Biology
Harvard University
Cambridge, MA 02138

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

POSITIONS OPEN

ASSISTANT PROFESSOR
BAYLOR COLLEGE OF MEDICINE

Department of Molecular and Human Genetics

A tenure-track faculty position at the **ASSISTANT PROFESSOR** level is available in the Department of Molecular and Human Genetics, Baylor College of Medicine, Houston, Texas. The successful candidate is expected to develop a strong independent research program in the area of gene therapy. Especially, he or she is expected to develop improved adenoviral vector systems for gene therapy of cystic fibrosis and Duchenne muscular dystrophy. Proposed annual salary range is \$45,000 to \$55,000, depending on expertise. Please send curriculum vitae and three letters of recommendation to:

Dr. Steve Kaminsky
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/Equal Access Employer.

INFORMATICS—Genomics and Mutation Analysis: Position available to develop software and perform analyses to further the research activities of a 20-person molecular genetics research lab/molecular diagnostic lab that will soon migrate from the Mayo Clinic to the City of Hope in Duarte, California. Recent papers from the laboratory include: *Genomics*, 26:510, 1995; *Am. J. Hum. Genet.*, 55:402, 1994; *Trends in Genetics*, 11:141, 1995. Send curriculum vitae, three to four references, and statement of short and long term goals to: **Steve Sommer, M.D., Ph.D., G-15, Mayo Clinic, Rochester, MN 55905. Equal Opportunity Employer.**

POSTDOCTORAL FELLOW
BOSTON UNIVERSITY
SCHOOL OF MEDICINE
Department of Pharmacology

Individuals sought for **TWO POSTDOCTORAL** positions in a multidisciplinary research group interested in the regulation and genomic organization of ligand-gated ion channels in neurons. Molecular biological, cell biological, and electrophysiological techniques are combined to study the mechanisms of receptor-induced signal transduction. Specific areas of research include: 1) Identification and developmental regulation of transcription factors that control neuron-specific gene expression; 2) Identification of the neuroactive steroid modulatory domains on amino acid receptors; and 3) Identification of the role of steroids in neurodegenerative diseases. Send curriculum vitae and list of references to: **Dr. David H. Farb, Laboratory of Molecular Neurobiology, Department of Pharmacology, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118-2394.**

POSTDOCTORAL FELLOWSHIP/RESEARCH ASSOCIATE for Ph.D. in biochemistry/pharmacology dealing with drug development to participate in *in vitro* and animal research projects. The candidate must have good technical writing skills and competency in biochemistry, cell biology, molecular biology, and immunoassays. Possibility exists for a long-term position. Competitive salary and fringe benefits. Send letter of interest, curriculum vitae, and names of three references to: **Ms. C. Farrell, P.O. Box 7210, Loma Linda, CA 92354.**

POSTDOCTORAL ASSOCIATE

Position available for research on structure-function relationships and catalytic mechanism of human manganese superoxide dismutase in a collaborative project with **Drs. Harry S. Nick and David N. Silverman**. Our approach uses fast kinetic methods, magnetic resonance, and physicochemical studies on site-directed mutants. Send curriculum vitae and names of three references to: **Dr. David N. Silverman, Box 100267 Health Center, University of Florida College of Medicine, Gainesville, FL 32610-0267. Equal Employment Opportunity/Affirmative Action Employer.**

Vanderbilt University School of Medicine, Department of Medicine, is actively seeking a new **DIRECTOR** of the Division of Diabetes/Endocrinology at the professor level. Candidates should have an excellent record of academic achievement and administrative experience. Send curriculum vitae to: **John A. Oates, M.D., Professor and Chairman, Department of Medicine, D-3100 MCN, Vanderbilt University, Nashville, TN 37232-2358. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

FACULTY POSITION
NEUROSCIENCE

A **TENURE-TRACK** faculty position is available in the Department of Neuroscience at the University of Virginia Health Sciences Center.

We are seeking an individual using cellular, molecular, and genetic approaches to fundamental problems in neuroscience.

We anticipate making this appointment at the Assistant or Associate Professor level, although applications from candidates at all levels will be considered.

Please send curriculum vitae, sample reprints, a description of research plans, and the names and telephone numbers of three references to:

Oswald Steward, Ph.D.
Professor and Chair
Department of Neuroscience
University of Virginia
Health Sciences Center
Charlottesville, VA 22908

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

The Department of Otolaryngology-Head and Neck Surgery at the University of Washington is seeking candidates for the non-tenure-track position of **RESEARCH ASSISTANT PROFESSOR**. The candidate should be a Ph.D. with postdoctoral training and a background in physics, a thorough knowledge of acoustics, and at least five years of experience in laboratory investigation of high frequency otoacoustic emission measurements in neonatal rodents. Please address inquiries to:

Dr. Ed Rubel, Professor and Director of Research
Otolaryngology-Head and Neck Surgery
University of Washington, Box 357923
Seattle, WA 98195

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

POSTDOCTORAL RESEARCH ASSOCIATE

POSTDOCTORAL Research Associate position to investigate water relations and transport processes of forest plants in north-central Massachusetts. The research will involve designing laboratory measurements and field studies to document and understand patterns of water and carbohydrate transport in woody plants. The researcher should have a background in plant physiology, strong quantitative skills, and interest in techniques development. The position is available for an initial one-year period with the possibility of a second year appointment. Please send a curriculum vitae, description of research interests, supporting materials, and three letters of recommendation to: **Dr. N. Michele Holbrook, Organismic and Evolutionary Biology, 16 Divinity Avenue, Cambridge, MA 02138** by July 30, 1996. *Harvard University is an Equal Opportunity Employer. Applications from women and minorities are strongly encouraged.*

POSTDOCTORAL POSITION available immediately. The successful applicant will use recombinant G protein subunits and subunit-specific antibodies to study receptor coupling to calcium and inwardly rectifying K⁺ channels in central neurons. Applicants should have a strong background in electrophysiology, preferably with experience in whole-cell and/or single-channel recording. Candidates should send curriculum vitae and three letters of reference to: **Douglas A. Bayliss, Ph.D., Department of Pharmacology, University of Virginia, Charlottesville, VA 22908. FAX: 804-982-3878; Email: dab3y@virginia.edu. The University of Virginia is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL FELLOW

The University of Medicine and Dentistry of New Jersey (UMDNJ)—Robert Wood Johnson Medical School, Cancer Institute of New Jersey, is currently seeking a **POSTDOCTORAL FELLOW**. The successful individual will work with gene therapy trials for cancer research and conduct independent research. Applicants should be highly motivated with a strong background in molecular biology and/or biochemistry. Please submit curriculum vitae to: **T. S. Ravikumar, M.D., UMDNJ—Robert Wood Johnson Medical School, The Cancer Institute of New Jersey, 303 George Street, Suite 501, New Brunswick, NJ 08901. The UMDNJ is an Affirmative Action/Equal Opportunity Employer, Minorities/Females/Disabled/Veterans, and a member of the University Health System of New Jersey.**



GENEMEDICINE, INC.

GENEMEDICINE,

INC. seeks two

highly motivated

individuals to join

our team of gene

delivery

researchers

engaged in the

design, synthesis,

formulation and

characterization of

novel polymer-

based systems for

gene delivery.

Polymer Formulation Scientist

You will be responsible for the discovery and optimization of colloidal and other novel polymeric systems for DNA delivery. You will also be responsible for correlating the physicochemical properties of these systems with their ability to deliver DNA to cells both *in vitro* and *in vivo*, as well as elucidating their cell uptake mechanisms. Analytical experience in calorimetry, FT-IR, circular dichroism, gel electrophoresis, laser light scattering, fluorescence microscopy and *in vitro* cell transfection is preferred.

Polymer Chemist

You will be responsible for the discovery and synthesis of novel (co)-polymers to be used as systems for DNA delivery. Expertise in polymer synthesis, modification, purification, and characterization is essential. Analytical experience in HPLC, calorimetry, size exclusion chromatography, NMR spectroscopy, FT-IR, and circular dichroism is preferred. Formulation experience using polymers would be a plus.

To qualify for either position, you will have a working knowledge of both synthetic and natural polymers, polymeric delivery systems for DNA, and the biological implications of various routes of administration of these systems. You will also have outstanding written and oral communication skills, experience working in interdisciplinary teams and a B.S., an M.S., or a Ph.D. in Chemistry, Chemical Engineering or Pharmaceutical Sciences.

GENEMEDICINE, INC. offers career growth and a highly competitive compensation and benefits package. For confidential consideration, please send resume to: GENEMEDICINE, INC., Attn: Human Resources, 8301 New Trails Drive, The Woodlands, TX 77381-4248; Fax (713) 364-0858. EOE.

UNIVERSITY OF MINNESOTA DEAN MEDICAL SCHOOL

Applications and nominations are invited for the full-time position of Dean with tenured faculty rank at the University of Minnesota Medical School. The School is one of seven schools in the University's Academic Health Center, with nearly 900 faculty in its 23 clinical and basic science departments, five centers and institutes, and with annual expenditures of \$300 million. Currently about 900 students are enrolled in M.D. or combined M.D./Ph.D. programs in addition to 1400 residents and fellows in specialty programs, 260 graduate students pursuing master's or doctoral degrees in research areas, and 300 undergraduate students in the allied health professions.

Qualifications

Essential qualifications include an M.D., Ph.D., M.D./Ph.D., or foreign equivalent; evidence of scholarly achievement; and the ability to successfully manage large, diverse organizations and administer programs in medical education and related research, patient care, and service. Candidates should have administrative and fiscal experience in medical affairs; demonstrable commitment to increased diversity; an understanding of the role and responsibilities of a land grant institution; and communication and interpersonal skills to create an organizational culture that promotes excellence, accountability, and a management style of participatory leadership.

For a complete job description, please contact Susan Jackson at the address noted below.

Nominations and/or applications should be forwarded by August 15, 1996 to:

Sandra Edwardson, R.N., Ph.D.

Chair, Search Committee

c/o Susan Jackson

Box 293 UMHC

420 Delaware St. S.E.

Minneapolis, MN 55455

phone: 612-625-0427 (Ms. Jackson)

fax: 612-626-2111

e-mail: sjackson@maroon.tc.umn.edu

The University of Minnesota is an equal opportunity educator and employer.

MOLECULAR BIOLOGISTS

SmithKline Beecham Pharmaceuticals, a worldwide leader in pharmaceutical research, has challenging opportunities for scientists/investigators to join our Molecular Genetics team. All candidates must be bench scientists with proven experience in standard RNA/DNA methodologies including recombinant DNA techniques, Northern and Southern blotting, PCR and computer analyses. Specific requirements for each position are as follows:

Scientist

The successful candidate should also have experience in construction and screening of cDNA libraries and subtractive screening methodologies. Experience in bacteriology and/or bacterial genomics is a plus. A Bachelor's degree with 3-5 years' experience or a Master's degree with 1-3 years experience is required.

Investigator

This position must have expertise in receptor characterization by *Xenopus* oocyte injection and electrophysiology. Experience in cDNA library construction and the functional characterization of novel genes is desired, as is understanding of protein biochemistry. A PhD in Molecular/Cellular Biology (or equivalent) with 2-5 years of postdoctoral experience is required.

Investigator

Candidates must have proven experience in de novo gene cloning, cDNA and genomic library construction and screening, and functional characterization of novel genes. A PhD in Molecular Biology or Genetics (or equivalent) with 2-5 years of postdoctoral experience is required.

SmithKline Beecham offers a competitive compensation/benefits/relocation package, as well as the opportunity for growth in a scientifically intense environment built on creativity, teamwork, and commitment. The Department of Molecular Genetics is comprised of a dynamic group of scientists whose activities encompass basic and applied research in a broad spectrum of therapeutic areas including hematopoiesis, bone, cardiovascular, pulmonary, renal, CNS and infectious diseases.

To join our industry leading team, send your CV with three references to: SmithKline Beecham Pharmaceuticals, Job Code H6-0161MB, P.O. Box 2645, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.



SmithKline Beecham
Pharmaceuticals

Challenging the natural limits.

National Institutes of Health
National Institute on Deafness
and Other Communication
Disorders

SENIOR STAFF FELLOW

The National Institute on Deafness and Other Communication Disorders (NIDCD) is recruiting for a Senior Staff Fellow. The position is open immediately for a Ph.D. or M.D. scientist with postdoctoral research experience and a strong publication record in the genetics of hereditary hearing impairment. The candidate will be expected to develop a program of research with the goal of identifying and characterizing the changes found in genes involved in hereditary hearing impairment using human population studies and relevant mouse model systems. The position is located in the Laboratory of Molecular Genetics, Division of Intramural Research, NIDCD. This laboratory has established research programs to study genes involved in both syndromic and non-syndromic hereditary hearing impairment.

Candidates must have either an M.D. degree or Ph.D. degree, as well as postdoctoral research experience working on the genetics of syndromic and/or non-syndromic hereditary hearing impairment. The salary will depend on the qualifications of the candidate. Applicants may be eligible for an appointment in the Commissioned Corps of the U.S. Public Health Service. The period for the initial appointment is two years. Candidates may be eligible for relocation expenses.

If you wish to apply for this position, please submit a resume or curriculum vitae and a bibliography no later than July 26, 1996, to:

Ms. CHRISTINE CLEMENTS
PERSONNEL MANAGEMENT SPECIALIST
NIDCD PERSONNEL
MANAGEMENT BRANCH
31 CENTER DRIVE, MSC 2320
BETHESDA, MARYLAND 20892-2320

Additional information about the position and qualification requirements may be obtained by contacting or by calling (301) 402-0508 or TDD (301) 402-1334.

NIH is an Equal Opportunity Employer



DIRECTOR

**ANNE FISHER NUTRITION CENTER
AT STRANG CANCER PREVENTION
CENTER**

Strang Cancer Prevention Center seeks an exceptional individual to head the newly created Anne Fisher Nutrition Center. The Center has been established to enhance understanding of the multistep process of organ site carcinogenesis to identify effective strategies for primary and secondary prevention via nutritional intervention. Interdisciplinary research programs focus on nutritional, hormonal, immunological and metabolic aspects of carcinogenesis and its prevention through basic laboratory research, supported by appropriate core facilities for analysis and dissemination of data.

The leads identified by basic laboratory research are evaluated by clinical prevention programs for clinical efficacy of prevention, and validate translational research to identify clinically relevant approaches for preventive intervention. The present approach, combining basic laboratory studies with clinically relevant translational research, hopes to identify important leads for prevention and treatment of human cancer using naturally occurring dietary compounds. An important component is to provide patient counseling and public information to encourage good nutrition with special emphasis on cancer prevention.

Candidates for the position of Director should have an M.D. or Ph.D. in clinical nutrition or closely related disciplines, and extensive laboratory experience in nutritional biochemistry, cellular and molecular biology. The successful candidate will be keenly interested in bridging the gap between basic biomedical research and the practice of clinical nutrition related to cancer prevention. Grant writing experience is essential, and a strong management background with organizational skills is key to identifying the candidate. Applicants are encouraged to forward a CV along with names and addresses of three references and a one page description of research and clinical experience to:

Michael P. Osborne, M.D.
President and Chief Executive Officer
Strang Cancer Prevention Center
428 East 72nd Street
New York, New York 10021

Application review begins July 1, 1996 and remains open until filled. Salary and benefits will be commensurate with qualifications and experience. Strang Cancer Prevention Center is affiliated with The New York Hospital-Cornell Medical Center and joint appointments are held by academic staff members.

Equal Employment Opportunity/Affirmative Action Employer. (Women and minorities are urged to apply.)

PLANT DEVELOPMENT

The Botany Department of the University of Toronto invites applications for a tenure-track position in Plant Development at the Assistant Professor level, starting July 1, 1997. The successful candidate should have a Ph.D. and, preferably, postdoctoral experience. We are particularly interested in applicants using cellular, molecular, and genetic approaches to studying problems in plant developmental biology. Teaching responsibilities will include participation in undergraduate and graduate courses in plant development and in cellular and molecular biology. This position is integral to a new campus-wide Graduate Program in Developmental Biology. Applicants should submit a curriculum vitae and a statement of research and teaching interests and arrange for three letters of reference to be sent to the address below by **September 16, 1996**.

Dr. Verna J. Higgins, Chair
Department of Botany
University of Toronto
25 Willcocks Street
Toronto, Ontario
Canada M5S 3B2

Email: higgins@botany.utoronto.ca

This position is subject to budget approval. *In accordance with its Employment Equity Policy, the University of Toronto encourages applications from qualified women and men, members of visible minorities, aboriginal peoples, and persons with disabilities.*

University of Michigan

The Department of Obstetrics and Gynecology at the University of Michigan is seeking applications at the Assistant or Associate Professor level for an instructional position with a joint appointment in a basic science department of the medical school. Outstanding individuals with research experience or interests in reproductive biology in such areas as pre-implantation biology, developmental biology, signal transduction mechanism or regulation of gene expression by reproductive hormones are sought. Individuals working with higher eukaryotic systems are encouraged to apply. The successful candidate will be expected to establish an active, externally funded research program. Other responsibilities will include teaching and participation in the graduate training program in the medical school. New research facilities and strong interdisciplinary programs make this an attractive opportunity. Applicants should send curriculum vitae and bibliography, a brief description of current and future research directions, and request three letters of reference to be sent to:

Timothy R. B. Johnson, M.D.
Professor and Chair
Department of Obstetrics and Gynecology
University of Michigan Medical Center
D2202 MPB, Box 0718
1500 East Medical Center Drive
Ann Arbor, MI 48109-0718

Deadline for applications is August 16, 1996.

The University of Michigan is an Affirmative Action/Equal Opportunity Employer. Applications from qualified women, minorities, and/or disabled individuals are encouraged.

Cephalon, Inc., a rapidly expanding biotechnology firm specializing in discovering, developing, and marketing products to treat neurological disorders, has positions available at its headquarters in West Chester, PA.

SENIOR SCIENTIST BIOCHEMISTRY

A Ph.D. Protein Biochemist is needed with expertise in protein purification and a minimum of five years post-doctoral experience. A proven track record of scientific excellence pertaining to membrane protein isolation and analysis by a variety of chromatographic, electrophoretic and immunologic methods is a requirement. Prior supervisory experience is preferred. The individual will have the opportunity to impact a multi-disciplinary drug discovery research effort focused on enzyme targets for the design of agents to ameliorate neurodegenerative processes. **Job Code BC**

Cephalon is committed to your professional development and offers a stimulating and exciting work environment. Please send resumes, indicating JOB CODE to:

Recruitment Manager, Cephalon, Inc., 145 Brandywine Parkway, West Chester, PA 19380-4245. An equal opportunity employer.



Cephalon, Inc.

Bringing Innovative Therapies to Neurology

Senior Research Fellow/ Associate Director Analytical Sciences

ALZA Corporation, headquartered in Palo Alto, California, is a leader in the development and commercialization of innovative pharmaceutical products using advanced drug delivery technologies to add medical and economic value to drug therapies. We are looking for an experienced professional with a strong desire to participate in the implementation of ALZA's overall strategy to join our long-standing tradition of scientific and manufacturing excellence.

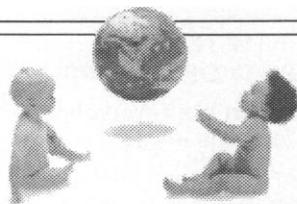
Managing the supervision of analytical sciences, you will provide technical leadership to and be responsible for the development, performance, and validation of appropriate analytical methods; characterization of impurities and degradation products; documentation of regulatory filings; maintenance of a high level of technical capabilities; and interaction with project team members to ensure timely completion of analytical tasks. You will also provide administrative leadership in the following areas: management, training, and performance assessment of staff; career development; staffing; budget preparation assistance; cGMP compliance; and work place safety & environmental issues.

The position requires a Ph.D. in chemistry, biochemistry, immunology, analytical chemistry or relevant field and a minimum of 10-12 years of industrial experience in the development of analytical methods for small molecules and/or proteins in support of formulation development, lot release and stability studies. Qualified candidates must possess in-depth experience working with a variety of high level analytical methods such as HPLC (SEC, ion X, HIC, RP, CEO) and peptide mapping with LC-MS; extensive experience in technical report writing for regulatory submissions; strong publication records; and exceptional managerial, problem-solving, motivational, and written/verbal communication skills.

To apply, please send resume to: **ALZA Corporation, HR Dept., Attn: Job# SCI621-DM, 950 Page Mill Rd., P.O. Box 10950, Palo Alto, CA 94303-0802.** Fax: (415) 494-5656. TDD: (415) 494-5003. Web Site: <http://www.alza.com>. Or call our Job Hotline at (415) 494-5319.

alza

ALZA is proud to be an
Equal Opportunity Employer.



Connaught Laboratories Limited is a leader in the development of lifesaving vaccines that are improving people's lives all over the world. We currently have a challenging opportunity for a:

POSTDOCTORAL RESEARCH SCIENTIST in the DEPARTMENT OF IMMUNOLOGY

Applications are invited for a 2 year Postdoctoral Research Fellowship in the department of Immunology, Connaught Laboratories Ltd. Candidates will have completed or are about to complete a Ph.D. degree in the area of cellular immunology. This position offers an excellent opportunity for training and career growth in viral immunology and to apply one's expertise in fundamental immunology to the development of vaccines against diseases caused by respiratory viruses.

Interested candidates should submit a resume, a summary of research history and the names of three referees by **July 19, 1996** to:

Connaught Laboratories Limited
Attention: **Teresa DeRosa, Human Resources**
1755 Steeles Avenue West
North York, Ontario M2R 3T4
FAX: (416) 667-9391

We want to thank all applicants, however, only those under consideration will be contacted.



Excellence in Biologicals for a Healthier World

WINNER 1992 MARKETING



Bristol-Myers Squibb Company

Bristol-Myers Squibb has a position available at its Syracuse, NY facility for a Genetic Toxicologist to evaluate mammalian cell DNA damage.

GENETIC TOXICOLOGY POSTDOCTORAL

The individual will work on a project using FISH (fluorescence in situ hybridization) assays and also be involved in GLP assays of company project compounds. The position is for one year with renewal possible for an additional year or has the potential to work into a full time position. Permanent Residency is required.

We offer an excellent salary, comprehensive benefits and a working environment conducive to professional growth. For confidential consideration, forward your curriculum vitae to: **Manager, Human Resources, Bristol-Myers Squibb, P.O. Box 4755, Syracuse, NY 13221-4755.** Equal Opportunity Employer, M/F/D/V.



Dedicated to Science. Focused on Discovery.

Parke-Davis Research Division and University of Michigan have initiated a joint postdoc training program. Our team members are encouraged to pursue discovery together—and explore all the possibilities of scientific problem solving.

PROTEIN KINASE/ SIGNAL TRANSDUCTION RESEARCH POSTDOC POSITION



As our strategy for pharmaceutical discovery leads to further breakthroughs, we're looking for a strong postdoc candidate to focus on protein kinases and ras-related signal transductions. The chosen individual will work in a stimulating research environment and will receive excellent training.

Applicants should have a Ph.D. in Molecular Biology/Biochemistry or related areas and be highly motivated to perform scientific research. Experience with protein kinases and/or signal transduction is preferred.

This appointment will be for 2 years and will be located at the Department of Molecular Biology at Parke-Davis and Department of Biological Chemistry at the University of Michigan.

Members of our world-class pharmaceutical team enjoy world-class salaries, benefits, and career growth potential. Interested candidates should send their curriculum vitae, a brief summary of their research interests and a list of 3 references to: **Parke-Davis Pharmaceutical Research, Human Resources Department, Attn: CJMYS, 2800 Plymouth Road, Ann Arbor, MI 48105.** "Equal Opportunity in Action."

 **PARKE-DAVIS**
People Who Care

JUST ADDED TO SCIENCE'S 1996
EDITORIAL CALENDAR...

Career Opportunities in Bioinformatics

12 July

SCIENCE is pleased to announce a special editorial feature on "Career Opportunities in Bioinformatics" in the 12 July issue. Don't miss this opportunity to place your recruitment message and reach scientists with bioinformatics experience.

For more information, or to reserve space,
please call:

US: Janis Crowley, phone: (202) 326-6532; fax:
(202) 289-6742.

Europe: Debbie Cummings, phone: +44 (0) 1223
302067; fax: +44 (0) 1223 576208.

SCIENCE
<http://www.sciencemag.org>

Human Molecular Genetics BE AT THE FOREFRONT!

Vysis, Inc. is a leader in the development of nucleic acid probes, hybridization reagents and advanced computer imaging systems for the study of genetic diseases—with a rapidly expanding product catalog and sales base. Currently, we have an open position for a scientist in our Human Molecular Genetics group. Vysis is located in Downers Grove, Illinois, a southwest suburb of Chicago.

Work with a team of scientists developing FISH (Fluorescence In Situ Hybridization) probe products for cancer and other genetic diseases. A Ph.D. with 2-5 years experience in human molecular genetics/biology is required. Candidates should have a good knowledge of human genetics and cancer and be skilled in the use of molecular techniques and genetic databases. The successful candidate must enjoy working at the bench as a team member to develop diagnostic products.

Respond by submitting a cover letter, curriculum vitae and salary history to:



VYSIS, INC.
Human Resources Director
3100 Woodcreek Drive
Downers Grove, IL 60515
Fax: 708-271-7008
equal opportunity employer m/f/d/v

FACULTY POSITION PHARMACOLOGY/TOXICOLOGY

The Morehouse School of Medicine is soliciting applicants for a full-time position at the Assistant to Associate Professor rank. Applicants should have the Ph.D. and/or M.D. degree(s) and at least two years of postdoctoral experience. Successful candidates must have the capability to develop, implement, and sustain a productive research program and a demonstrated ability to communicate effectively as a teacher of medical and graduate students. Research areas of particular interest to the department include, but are not limited to: molecular pharmacology/toxicology, signal transduction, neuropharmacology, pharmacokinetics/therapeutic drug monitoring, clinical pharmacology, immunopharmacology, and bioinformatics. Applications should include: a curriculum vitae, a letter outlining research accomplishments/plans (past, present, future), summary of teaching philosophy/experience, and the names/addresses of four references. Applications should be forwarded to: **Chair, Search Committee, c/o Zenovia Pearson, Department of Pharmacology/Toxicology, Morehouse School of Medicine, 720 Westview Dr., S.W., Atlanta, GA 30310-1495.** Applications will be accepted until August 30, 1996. For additional information, see our web site at <http://www.msm.edu>. *Morehouse School of Medicine is an Equal Opportunity/Affirmative Action Employer.*

GLOBAL CAREER OPPORTUNITIES

NEW ZEALAND UNIVERSITY OF CANTERBURY Lecturer in Plant/Microbial Biochemistry

Applications are invited for the above tenured position in the Department of Plant and Microbial Sciences, from suitably qualified candidates with interests in the metabolism and metabolites of plants and/or micro-organisms. The minimum qualification on appointment is the Ph.D. degree or equivalent. Experience in modern biochemical analytical and separation techniques is essential. Preference may be given to applicants with expertise in enzymology, secondary metabolism or fermentation.

The salary for Lecturers is on a scale from NZ\$42,000 to NZ\$52,000 per annum.

Applications close on 6 September 1996.

Academic enquiries should be made to the Head of Department, Dr A L J Cole, Fax 64-3-364-2083 or Email: <a.cole@botn.canterbury.ac.nz>.

Conditions of Appointment and further particulars will be airmailed on request to: <staffing.acad.appts@regy.canterbury.ac.nz>. The University's WWW address is:

<<http://www.regy.canterbury.ac.nz/home.html>>. Applications, quoting Position No. PL6, must be addressed to: The Registrar, Attention Staffing Section, University of Canterbury, Private Bag 4800, Christchurch, New Zealand.

The University has a policy of equality of opportunity in employment.

**BE PART OF THE NEW VA
DIRECTOR**

Health Services Research and Development Service

The Department of Veterans Affairs (VA) invites applications for the position of Director, Health Services Research and Development (HSR&D) Service. The major challenge facing the VA in the coming decade is providing appropriate, high-quality health care to the nation's veterans at a reasonable cost. The HSR&D Service mission is to participate in the search for the most cost-effective approaches to delivering quality health care. To achieve this mission, HSR&D supports health services research studies that examine the effects of organization, financing, and management of health care in terms of quality, access, and health outcomes. The program focuses on advancing and disseminating the state of knowledge regarding health services to VA and the nation.

The incumbent is responsible for policy development in addition to the management and scientific aspects of the HSR&D programs. This includes managing an appropriated budget of approximately \$35 million. HSR&D programs include investigator initiated and service directed research, in addition to operational research occurring within the new Veterans Integrated Service Networks. The individual selected will play a critical role in the organizational restructuring of this program.

Applicants must be U.S. citizens and must possess an active and current license to practice in their respective discipline(s). Candidates are expected to have a strong scientific and managerial background, and to hold an M.D., D.D.S., or earned Ph.D. Salary is \$129,344—\$167,292 for physicians, \$99,844—\$124,792 for dentists, and \$81,278—\$100,939 for allied health professionals/non-clinician managers.

Applicants should forward a curriculum vitae to: **Department of Veterans Affairs, Management and Administrative Support Office (163B), 810 Vermont Ave., NW, Washington, DC 20420.** Curriculum vitae must be received no later than July 31, 1996. *The Department of Veterans Affairs is an Equal Opportunity Employer.*

**DIRECTOR
ORTHOPAEDIC RESEARCH**

Allegheny-Singer Research Institute (ASRI) is seeking a qualified individual to direct the Department of Orthopaedic surgery research program. ASRI is part of the Allegheny Health, Education and Research Foundation, an academic medical center located in Pittsburgh and Philadelphia, Pennsylvania that includes Allegheny General Hospital, Medical College of Pennsylvania and Hahnemann University, and St. Christopher's Hospital for Children.

Reporting to the Chair, Department of Orthopaedic Surgery, The Director of Orthopaedic Research will be responsible to direct the Orthopaedic Research Laboratory and the Biomechanics Laboratory, and to work closely with clinicians and residents in the Department to involve them in research. There is a viable opportunity to facilitate growth of research in an interactive and interdisciplinary environment. The successful candidate for this position will have an M.D. or Ph.D. and a track record of scientific accomplishments, peer-reviewed publications, extramural funding, and evidence of administrative and leadership ability.

Interested individuals please submit a curriculum vitae and references to: **James H. McMaster, M.D., Chair, Department of Orthopaedic Surgery, Allegheny-Singer Research Institute, 320 E. North Avenue, Pittsburgh, PA 15212.** Allegheny-Singer Research Institute is an equal opportunity employer.



SYMPOSIUM

SUSCEPTIBILITY AND RISK ASSESSMENT

The Third Annual Symposium of the
National Health & Environmental Effects Research Laboratory

The National Health & Environmental Effects Research Laboratory (NHEERL) of the U.S. Environmental Protection Agency is pleased to announce that its Third Annual Symposium will be held September 24-27, 1996 at the Omni Durham Hotel and Durham Civic Center in Durham, North Carolina. This third in the Annual NHEERL Symposium Series on Research Advances in Health Risk Assessment will focus on known factors affecting the susceptibility of humans, experimental animal models, or cell tests systems to environmental toxicants with the goal of refining risk assessment strategies which must consider variable population response. Protection of the "susceptible individual" is a fundamental goal of environmental regulation. Indeed, it is generally accepted that if the susceptible individual is protected then the entire population will be protected. The format of the NHEERL Symposium will include invited platform presentations and contributed poster presentations. For more information, please contact:

1996 NHEERL Symposium
Susceptibility and Risk Assessment
c/o NHEERL Conference Coordinator
U.S. EPA

NHEERL, MD-70
Research Triangle Park, NC 27711

Phone: (919) 541-5193

Fax: (919) 541-4002

Internet: MEETING\$MAIL@HERL45.HERLEPA.GOV

DIRECTOR

National Space Biomedical Research Institute

Universities Space Research Association (USRA), a non-profit association of eighty universities, is organizing the efforts of a consortium of life sciences research institutions which seek to operate the National Space Biomedical Research Institute (NSBRI) to be established by the National Aeronautics and Space Administration (NASA) within the next few months. We are seeking a director for the Institute.

The NSBRI is a new and exciting approach to NASA's conduct of space biomedical research. NASA anticipates that the Institute will lead the nation's space biomedical research effort. Accordingly, NASA will give the NSBRI substantial independence and significant funding to enable it to develop an overall space biomedical research plan for the nation, and to carry out a significant portion of the research identified in that plan.

The individual who will fill this challenging position will have the opportunity to shape the Institute from its inception and will play a prominent role in its ultimate success.

The successful candidate will be a U.S. citizen who: (1) possesses an international reputation in a biomedical research field relevant to space biomedicine, and (2) has proven his or her ability to successfully manage a research program. Prior association with NASA is not required.

To investigate this unique opportunity, please fax or mail your resume in confidence to:

**USRA, Division of Space Life Sciences
3600 Bay Area Boulevard
Houston, Texas 77058
Fax: (713) 244-2006**

POSITIONS OPEN**FACULTY POSITION**

New York University Medical Center
Department of Biochemistry

The Biochemistry Department of New York University Medical Center seeks applicants for tenure-track faculty positions at the ASSISTANT or ASSOCIATE PROFESSOR level. Research specialties may include, but are not limited to, molecular aspects of nuclear organization, cell cycle, intracellular signaling, chromosome structure and dynamics, and macromolecular assembly. Successful applicants will join a distinguished faculty exploring DNA replication and recombination, RNA transcription and translation, protein folding and transport, cellular transformation and signal transduction. The department offers a collaborative research environment and excellent facilities. The successful candidate will be expected to establish a vigorous research program, teach graduate and medical students, and contribute to a stimulating, intellectual environment. Applicants holding a Ph.D. or M.D. degree should submit a curriculum vitae, description of research plans, and the names of three references to: **Chair, Faculty Search Committee, Department of Biochemistry, New York University Medical Center, 550 First Avenue, New York, NY 10016. Equal Opportunity Employer.**

FACULTY POSITION

Comparative Medicine and Pathology
The University of Chicago

The Committee on Comparative Medicine and Pathology (CCMP) invites applications for a tenure-track faculty position at the level of ASSISTANT PROFESSOR. Successful applicants will have a D.V.M. and/or Ph.D. degree, significant postdoctoral research experience, and demonstrated experience in the field of cell biology, experimental pathology, or immunology. The candidate would be expected to develop an independent and extramurally funded research program, and to participate in teaching of graduate students and/or postdoctoral fellows. A limited clinical role in the University's Animal Resources Center for a D.V.M. candidate could be considered. The CCMP is an academic unit with teaching responsibilities, clinical responsibility for the Animal Resources Center, and existing research programs in respiratory cell biology, immunology, and experimental pathology. Send a curriculum vitae, statement of research interests, and three reference letters to: **Paul Schumacker, Ph.D., Chairman, Committee on Comparative Medicine and Pathology, MC-1030, The University of Chicago, 5841 South Maryland Avenue, Chicago, IL 60637. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.**

MOLECULAR BIOLOGIST

The Ohio State University Department of Pediatrics located at Children's Hospital, Columbus, Ohio, is seeking M.D., Ph.D., or M.D./Ph.D. candidates eligible for appointment in the Division of Molecular Biology at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR level on the regular tenure track. The position will have an emphasis in molecular biology research with some teaching responsibilities. The candidate should have expertise in transgenic or knockout mice, gene transfer, and/or cellular immunology. Limited patient care can be performed by candidates with an M.D. degree. It is expected that the successful candidate will be involved for the majority of his or her time in basic research, which includes publication, anticipated or published, in peer-reviewed journals and the successful obtaining of extramural grants. Address correspondence with references and curriculum vitae to: **Grant Morrow, III, M.D., Professor and Chair of the Medical Genetics Search Committee, Children's Hospital, 700 Children's Drive, Columbus, OH 43205. Telephone: 614-722-2708. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans, and disabled persons are encouraged to apply.**

University of Florida seeks an INSTRUCTOR in the Department of Medicine, Division of Cardiology. M.D. degree, Board-eligible or Board-certified in cardiovascular medicine. The responsibilities will include patient care in the hospital clinics and cardiac catheterization procedures. Salary and benefits are commensurate with experience. Recruiting deadline of July 12, 1996. Anticipated starting date: August 1, 1996. Please respond with curriculum vitae to: **Dr. Richard Kerenksy, M.D., Assistant Professor, Box 100277 JHMHC, Gainesville, FL 32610. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

UNIVERSITY OF COLORADO HEALTH
SCIENCES CENTER
NMR Manager

The University of Colorado Center and Department of Pharmacology invite applications for a research track position at the ASSISTANT PROFESSOR level. The successful individual will manage a newly established NMR facility that is part of an institutional Macromolecular Structure Program. Responsibilities include maintaining 500 and 600 MHz Varian spectrometers, instructing new users, and developing a research program related to biomolecular structure/function. Applicants must have a Ph.D. degree, background in NMR theory, experience in spectrometer function, and potential to develop extramural funding. Submit curriculum vitae, names of three references, and a statement of research interests to: **Chair, NMR Search Committee, University of Colorado Health Sciences Center, Box C236, 4200 East Ninth Avenue, Denver, CO 80262. The University of Colorado is an Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR in Extension Plant Pathology available January 1, 1997. This tenure-track position will provide statewide leadership in developing an extension program in diagnosis and management of diseases of Oregon's field crop and vegetable industries. Assist the Plant Disease and Nematode Clinics, and write for and edit sections of the Pacific Northwest Plant Disease Control Handbook. A Ph.D. in plant pathology or closely related field, evidence of interest or experience in extension, and demonstrated excellent oral and written communication skills are required. Send curriculum vitae, statement of interest and philosophy in delivering extension programs, copy of transcripts and other evidence of training appropriate to duties, reprints of relevant publications, and three letters of reference by August 9, 1996 to:

**Chairperson, Plant Pathology Search Committee
Department of Botany and Plant Pathology
Oregon State University
2082 Cordley Hall
Corvallis, OR 97331-2902**

Oregon State University is an Affirmative Action/Equal Opportunity Employer and is responsive to dual-career needs.

MOLECULAR GENETICIST

The Ohio State University Department of Pediatrics located at Children's Hospital, Columbus, Ohio, is seeking M.D. or M.D./Ph.D. candidates eligible for appointment in the Division of Human and Molecular Genetics at the ASSISTANT, ASSOCIATE or FULL PROFESSOR level on the regular tenure track. Must be Board-certified in Pediatrics and Board-certified or eligible in Medical Genetics. The position will have an emphasis in molecular genetic research with some patient care and teaching responsibilities. It is expected that the successful candidate will be involved for the majority of his or her time in basic research, which includes publication, anticipated or published, in peer-reviewed journals and the successful obtaining of extramural grants. Address correspondence with references and curriculum vitae to: **Grant Morrow, III, M.D., Professor and Chair of the Medical Genetics Search Committee, Children's Hospital, 700 Children's Drive, Columbus, OH 43205. Telephone: 614-722-2708. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans, and disabled persons are encouraged to apply.**

PEDIATRIC ALLERGIST: To coordinate basic and clinical research with special emphasis on latex allergy. Certification by the American Board of Pediatrics and the American Board of Allergy and Immunology are required. Applicant must have clinical and basic research experience in latex allergy. Depending on qualifications, the annual salary range is up to \$95,000. Send résumé to: **Douglas Moodie, 9500 Euclid Avenue, Cleveland, OH 44195.**

VENTURE CAPITAL CONSULTANT

Venture capital firm seeks full- or part-time SCIENTIST or MEDICAL DOCTOR to evaluate new technologies for funding by our firm. Applicants should hold a Ph.D. or M.D. degree and possess strong writing and communication skills.

Please send curriculum vitae to: **Pamela Manalo, Athena Ventures, 660 Madison Avenue, New York, NY 10021.**

POSITIONS OPEN

WAYNE STATE UNIVERSITY
PROSTATE INITIATIVE
TENURE-TRACK POSITIONS

Wayne State University has allocated in excess of \$6 million for the recruitment of outstanding individuals with an interest in prostate cancer research. There are five tenure-track positions available at the ASSISTANT/ASSOCIATE PROFESSOR level. These positions are in one or a combination of the following departments: Medicine, Molecular Medicine, Pathology, Urology, and Radiation Oncology. Applications are solicited from individuals with an interest in prostate cancer research in one of the following areas: prognostic markers, suppressor genes, apoptosis, cellular signaling mechanisms, angiogenesis, and invasion of metastasis. Successful applicants should possess an M.D., M.D./Ph.D., or Ph.D. in cellular biology, molecular biology, or genetics. Salaries are negotiable and generous start-up funds are available. Applicants must demonstrate a proven track record of research in one of the above-mentioned areas, preferably as it deals with cancer of the prostate. Applications should contain a full curriculum vitae, a statement of research interests and objectives, and three letters of recommendation, and should be sent to: **Dr. Kenneth V. Honn, Wayne State University, Department of Radiation Oncology, Cancer Biology Division, 431 Chemistry Building, Detroit, MI 48202. Telephone: 313-577-1018; FAX: 313-577-0798. Positions are available immediately. Wayne State University is an Equal Opportunity/Affirmative Action Employer. All buildings, structures, and vehicles at Wayne State University are smoke-free. Wayne State University—People working together to provide quality service.**

FACULTY POSITION IN VASCULAR BIOLOGY

Applications are invited for a tenure-track position at the ASSISTANT/ASSOCIATE PROFESSOR level in the Department of Physiology at the University of Connecticut School of Medicine in the broad area of vascular biology. This recruitment is to enlarge a multidisciplinary program that aims to bridge clinical and basic science problems in vascular biology. Preference will be given to candidates with strong records in cell and molecular biology/biochemistry using modern methods. Areas of interest include cell and molecular biology of the vascular endothelium or smooth muscle, extracellular matrix biology, vascular development, and transcriptional regulation. The successful candidate will be expected to develop an independent, externally funded research program and participate in the teaching program. To apply, send curriculum vitae, description of research interests, and the names of three individuals who might write in your behalf before September 15, 1996 to: **Chair, Vascular Biology Search Committee, Office of the Dean, University of Connecticut School of Medicine, MC-1920, 263 Farmington Avenue, Farmington, CT 06030-1920. (Search Code 95-158) An Affirmative Action/Equal Opportunity Employer. Minorities/Females/Disabled/Veterans.**

**VERSAR, INC.
BIOLOGIST/STATISTICIAN
FRESHWATER ECOLOGIST**

The Ecological Sciences and Analysis Division of Versar, Inc., in Columbia, Maryland has immediate openings for a **QUANTITATIVE BIOLOGIST/STATISTICIAN** and a **SENIOR QUANTITATIVE FRESHWATER ECOLOGIST**. Preferred candidates for both positions will have a Ph.D. degree and demonstrated experience in a relevant environmental discipline. Additional information about Versar and these positions can be found at our World Wide Web site (www.versar.com). Interested candidates should submit a current résumé via mail or Internet to: **Ms. Glynda Squiggins, Versar, Inc., 9200 Rumsey Road, Columbia, MD 21045-1934. Email: csaemploy@versar.com.**

**POSTDOCTORAL POSITION
SYNTHETIC ORGANIC CHEMISTRY**

One **POSTDOCTORAL POSITION** available in cancer research laboratory with emphasis on the design, synthesis, characterization, and evaluation of novel anti-tumor agents. Current studies include development of mechanism-based protease inhibitors and novel tryptophan analogs targeted at carcinoid disease. This position funded by NCI training grant and/or NIH R01 grant; successful applicant will meet eligibility requirements for support. Applications including curriculum vitae, a summary of research interests/experience, and names of three references should be forwarded to: **Dr. Matthew M. Ames, Chair, Division of Developmental Oncology Research, Department of Oncology, Mayo Clinic and Foundation, Rochester, MN 55905. Mayo Foundation is an Affirmative Action/Equal Opportunity Educator and Employer.**



**Public Invitation to Participate in a New Project for
Research and Development of CFC Decomposition Technology
for Effective Use of Energy**

*Announced by the New Energy and Industrial Technology Development
Organization on June 21*

In order to promote the research and development of global environmental technology, the New Energy and Industrial Technology Development Organization (NEDO) would like to inform all interested companies and research organizations regarding the research and development project described below for fiscal year 1996. This new project is being undertaken as part of the Research and Development Program on Global Environmental Technology of the Ministry of International Trade and Industry of Japan.

1. Theme of the Research and Development Project

"Research and development of CFC decomposition technology for effective use of energy"

2. Outline of the Research and Development Work to be Entrusted

In order to establish technology to decompose CFC for an incineration process compatible with existing commercial furnaces, NEDO will conduct elemental tests using a small-scale plant; CFC decomposition tests using a pilot plant; and overall evaluation tests using an existing commercial furnace.

3. Application Procedures

(1) Qualification Criteria

All companies or research organizations who meet the following qualification criteria may submit an application to participate in the above project.

- a. The applicant must have previous research and development experience in the field covered by or related to the project, and possess the organizational structure, human resources, and research facilities required to carry out the project work.
- b. The applicant must be in sound financial condition and have the ability to manage its finances and facilities as necessary to smoothly carry out the project work.
- c. The applicant must be able to comply with NEDO's instructions, if such are necessary, to fully carry out the project work.
- d. The applicant must be willing to bear fifty (50)% of the total cost of any work it is awarded under this project.
- e. The applicant must have attended the explanatory meeting held by NEDO as set forth in item (2) below or been represented at the meeting by a responsible agent or representative who is capable of accurately conveying the contents of the meeting in detail.

(2) Explanatory Meeting

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

Date: Friday, July 5, 1996
Time: 14:00-15:00
Place: NEDO Head Office
Sunshine 60 Building, 31st Floor, Room 360
3-1-1, Higashi-Ikebukuro
Toshima-ku, Tokyo 170 Japan

(3) Further Information

For further information regarding the research and development work to be entrusted under the above project, please contact NEDO by facsimile as follows:

New Energy and Industrial Technology Development Organization
Contract Division, Accounting Department
28th Floor, Sunshine 60 Building
3-1-1, Higashi-Ikebukuro
Toshima-ku, Tokyo 170 Japan
FAX: TOKYO(03)-5992-1184



**Deutsches
Krebsforschungszentrum**
Stiftung des öffentlichen Rechts

**Universität
Heidelberg**

**Professorship (C3)
for
Medical Physics and Biophysics**

The German Cancer Research Center (DKFZ) and the Faculty of Medicine at the University of Heidelberg will jointly appoint a scientist as head of the Division of Medical Physics and Biophysics within the Research Program "Radiological Diagnostics and Therapy."

Applicants should have outstanding scientific records in applied medical physics in cancer research and should focus on biophysical methods in oncological diagnostics. Profound experience in MRT, CT, ultrasound or PET is anticipated. The successful applicant should contribute by innovative developments to the enlargement of the applicabilities and significance of the biophysical methods in close collaboration with the other divisions of the Research Program. Sound technical equipment is offered for these tasks. "Habilitation" or equivalent scientific achievements are required; applications from female scientists are encouraged.

Please send your application with a curriculum vitae, a list of publications, and references by July 31, 1996 to:

**Deutsches Krebsforschungszentrum, Stiftungsvorstand,
Im Neuenheimer Feld 280, D-69120 Heidelberg, Germany.**

N E X t r a n

NEXTRAN, an established leader in xenotransplantation research and an affiliate of Baxter Health Care, has the following positions available:

POSTDOCTORAL candidates must have a Ph.D. with experience in the following areas: molecular biology, gene regulation, and transplant immunology.

RESEARCH ASSOCIATE candidates must be B.S./M.S. level scientists with 3-5 years of experience in molecular biology, biochemistry, and/or immunology. Qualifications are a B.S. in biology and 3+ years of experience. M.S. preferred.

NEXTRAN offers an excellent working environment, as well as competitive compensation and superior benefits. Qualified applicants are invited to submit a resume to:

**Human Resources
NEXTRAN
303B College Road East
Princeton, NJ 08540
FAX (609) 520-9864**

Fundació irsiCaixa

The Foundation "irsiCaixa" seeks applications for a:

SENIOR INVESTIGATOR

The "irsiCaixa" is a retrovirus research institute sited in the "Hospital Universitari Germans Trias i Pujol" in Barcelona, Spain. It is a private laboratory engaged in basic research in the field of retrovirology at cellular and molecular levels, with special emphasis on the *in vitro* responses to a variety of antiretroviral drugs.

Candidates should have attained national and international stature in the field of retrovirus experimentation at cellular and molecular levels, and have leadership qualities to motivate a multidisciplinary and multinational team. The position calls for a minimum of 4 years of experience in directing scientific research programs. International experience is essential. Excellent English is required. Spanish is optional.

The Senior Investigator's term is for 4 years, renewable, with an internationally competitive salary and bonus awards package. The successful candidate should preferably incorporate November 1st, 1996.

Submit nominations/applications to the address below not later than 15 July, 1996.

**Fundació "irsiCaixa"
Hospital Universitari Germans Trias i Pujol
Badalona 08916
Barcelona
SPAIN
Voice: 34-3-465 63 74
Fax: 34-3-465 76 02
E-mail: irsi.caixa@bcn.servicom.es**

**Joint Lectureship in Education
& Science**

Faculties of Arts & Science

Vacancy UAC. 724

This is a new position. The appointment will be made jointly in the Department of Education, (Faculty of Arts) and whichever department in the Faculty of Science is most appropriate to the appointee's expertise.

Applicants should have a first and/or second degree in Science, preferably with a major in the biological sciences, chemistry or geoscience and advanced qualifications (PhD or equivalent) in education or science. An established record of research and teaching in science education is required.

Commencing salary will be established within the range NZ\$42,500 - NZ\$51,500 per annum.

Further information and Conditions of Appointment should be obtained from the Academic Appointments Office, The University of Auckland, Private Bag 92019, Auckland, New Zealand, phone 64-9-373 7999 ext 5790, fax 64-9-373 7023, email: appointments@auckland.ac.nz. **Three copies** of applications should be forwarded to reach the Registrar by **15 July 1996**.

Please quote Vacancy Number UAC.724 in all correspondence.

W B NICOLL, REGISTRAR



New Zealand

*The University has an equal
opportunities policy and
welcomes applications from
all qualified persons*

NATIONAL CANCER INSTITUTE
NATIONAL INSTITUTES OF HEALTH, PUBLIC HEALTH SERVICE
CANCER PREVENTION FELLOWSHIP PROGRAM

The Division of Cancer Prevention and Control (DCPC), NCI, is accepting applications for the Cancer Prevention Fellowship Program (CPFP). The purpose of this program is to train individuals from a multiplicity of health science disciplines in the field of cancer prevention and control. The program provides for: *Master of Public Health training* (at accredited university programs); participation in the *DCPC Cancer Prevention and Control Academic Summer Course* (open to physicians and scientists interested in specialized instruction on the principles and practice of cancer prevention and control); *working directly with individual preceptors at DCPC* on cancer prevention and control projects; *brief field assignments* in cancer prevention and control programs at other institutions. Funding permitting, Fellows will be accepted for up to three years of training, beginning July 1, 1997. Benefits include selected relocation and travel expenses, paid federal holidays, and participatory health insurance.

ELIGIBILITY

M.D., D.D.S., or D.O. from a U.S., territorial, or Canadian Medical School. Foreign medical graduates must have current USMLE or ECFMG certification and appropriate experience, e.g., one year residency in a training program approved by the Accreditation Council for Graduate Medical Education.

OR

Ph.D. or other doctoral degree in a related discipline (epidemiology, biostatistics, and the biomedical, nutritional, public health or behavioral sciences). Foreign education must be comparable to that received in accredited U.S., territorial, or Canadian institutions.

PLUS

The applicant must be a U.S. citizen or resident alien eligible for citizenship within four years.

For details and an application catalog either call, fax, email, or send a postcard or letter with your name, home address, and where you heard about the program to:

Douglas L. Weed, M.D., M.P.H., Ph.D.
Director
Cancer Prevention Fellowship Program
Division of Cancer Prevention and Control
National Cancer Institute
Executive Plaza South, Suite T-41
6130 Executive Blvd MSC 7105
Bethesda MD 20892-7105

Further inquiries: Mrs. Barbara Redding, Telephone: (301) 496-8640; Fax: (301) 402-4863; email: reddingb@dcpc.nci.nih.gov

DEADLINE FOR RECEIPT OF APPLICATIONS: SEPTEMBER 1, 1996

NIH is an Equal Opportunity Employer

**BE PART OF THE NEW VA
DEPUTY CHIEF RESEARCH AND
DEVELOPMENT OFFICER**

The Department of Veterans Affairs (VA) invites applications for the position of Deputy Chief Research and Development Officer (DCRDO). The Office of Research and Development's currently appropriated budget is approximately \$250 million, supporting biomedical, health services, and rehabilitation research of more than 2,500 VA scientists (over 70% of whom are physicians). Additionally, appropriated dollars are supplemented by more than \$275 million provided from other sources.

VA's research program is committed to patient-oriented research encompassing the entire spectrum from basic science to clinical applications of new knowledge. The incumbent will have oversight responsibility for the managerial and scientific aspects of the research program. The DCRDO will assist the Chief Research and Development Officer (CRDO) in policy development, budget formulation and distribution, management of peer review (including investigator-initiated research and career development programs), research dissemination, and technology assessment. The incumbent will have a critical role in the organizational restructuring of this program.

Applicants must be U.S. citizens and must possess an active and current license to practice in their respective discipline(s). Candidates are expected to have a strong scientific and managerial background, and to hold an M.D., D.D.S., or earned Ph.D. Salary is \$129,344—\$167,292 for physicians, \$99,844—\$124,792 for dentists, and \$81,278—\$100,939 for allied health professionals/non-clinician managers.

Applicants should forward a curriculum vitae to: **Department of Veterans Affairs, Management and Administrative Support Office (163B), 810 Vermont Ave., NW, Washington, DC 20420.** Curriculum vitae must be received no later than July 31, 1996. *The Department of Veterans Affairs is an Equal Opportunity Employer.*

BIOGEN

OUR EXPANDING UNIVERSE

In May 1995, we filed for U.S. regulatory approval of a new treatment for multiple sclerosis. We are now in the process of building the infrastructure and capabilities we will need to commercialize this drug, which is our first proprietary product. Our record of success to date is based on the hard work and dedication of our employees. We are now seeking a select number of committed professionals with strong values to join the Biogen team.

Director – Biological Science

We are currently seeking a proven scientific leader to direct our efforts in the areas of molecular biology/molecular genetics. In this role, you will oversee the work of approximately forty talented individuals focused currently in areas of growth regulation, viruses, gene therapy and vascular biology. The successful candidate will hold a Ph.D. or M.D./Ph.D. in molecular sciences and have a minimum of ten years' experience. He/she will have a distinguished record of scientific achievement, a strong publication history and be well-versed in the use of molecular technique. Industry experience is desirable, but not required.

Biogen offers what few companies in our industry can – Professional Challenge, Stability, Growth, and one of the strongest financial profiles in the industry. In addition, our compensation and benefits package, including equity participation, is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, this is your opportunity to join our expanding universe. Please forward your resume to the address below.

Biogen, Dept. JT, Biogen, Inc., 14 Cambridge Center,
Cambridge, MA 02142. FAX: (617) 679-2546

BIOGEN

Biogen is an Equal Opportunity Employer.
<http://www.careermosaic.com/cm/biogen>

POSITIONS OPEN

POSTDOCTORAL POSITION

Available July 1, 1996. Study lipid-mediated signal transduction in yeast and higher eukaryotes. Applicants with a strong background in molecular biology and/or yeast genetics are encouraged to apply. Send curriculum vitae and three references to: **Human Resources, Children's Hospital Oakland, 747 52nd Street, Oakland, CA 94609. FAX: 510-428-3306. Equal Opportunity Employer.**

POSTDOCTORAL POSITION

Circadian Clocks and Photoreceptor Cell Biology
A **POSTDOCTORAL POSITION** is available to study the cellular/molecular aspects of the photoreceptor circadian clock in vertebrate retinas. The position is directed at identification and function of vertebrate "clock regulated" genes and analysis of their role in rhythm generation. Position requires application of biochemical, molecular, and cell biological approaches using vertebrate photoreceptors. Send/FAX resumé and references to: **Dr. Joseph C. Besharse, Department of Anatomy and Cell Biology, The University of Kansas Medical Center, Kansas City, KS 66160-7400. FAX: 913-588-2710.**

PROSCRIPT

ProScript is a biotechnology company focused on developing drugs to treat inflammation, cancer, and muscle wasting. The company has recently completed a collaboration agreement with a major pharmaceutical company and is entering a period of exciting growth and opportunity. ProScript offers an innovative and intellectually challenging, self-starting environment.

Currently, we have an outstanding opportunity for a **SCIENTIST** in molecular pharmacology. To qualify, candidate must have a Ph.D. or equivalent in cellular or molecular biology with at least two years of relevant postdoctoral experience, with a special interest in inflammation or oncology. Candidate must have experience working with small animals and some aspect of *in vivo* animal modeling. Prior experience and in-depth knowledge of cellular immunology, and cytokine and vascular biology is also desired.

The position offers excellent benefits including health, dental, and a 401(k) plan. Please send a detailed curriculum vitae along with the names of three references to: **Human Resources, ProScript, Inc., 38 Sidney Street, Cambridge, MA 02139. We are an Equal Opportunity Employer. Minority/Female/Disabled/Veteran.**

POSTDOCTORAL POSITION available to study the molecular mechanism of virus-membrane fusion (*Adv. Virus Res.*, 45:113-151, 1995). Experience in molecular biology, protein biochemistry, and/or virology required. Send curriculum vitae, summary of relevant experience, and names of three references to: **Dr. Margaret Kielian, Department of Cell Biology, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461. Email: kielian@aecom.yu.edu. Equal Opportunity Employer.**

BIOPHYSICIST

POSTDOCTORAL POSITION to study molecular mechanisms of single mechano-gated channels. Lab is focused on development/implementation of new biophysical techniques (e.g., atomic force microscopy/optical tweezers). September 1, 1996 start. Salary competitive. Send curriculum vitae and names of three references to: **Dr. O. P. Hamill, Physiology and Biophysics, UTMB, Galveston, TX 77555.**

POSTDOCTORAL POSITION—Postdoctoral position is available immediately to study molecular mechanism of tumorigenesis, involving tumor suppressor genes and oncogene. Competitive salary depending on experience. Please send curriculum vitae with names and telephone numbers of three references to: **Anne T'Ang, Ph.D., Associate Professor, University of Southern California, Childrens Hospital Los Angeles, 4650 Sunset Boulevard, Mailstop Number 94, Los Angeles, CA 90027.**

POSTDOCTORAL RESEARCH FELLOW (PGR) with experience in molecular biology or immunology and retrovirology to conduct research in HIV or CMV pathogenesis, or antiviral resistance. Position available immediately for at least two years. Salary range based on University of California policy. Send curriculum vitae with a list of three references to: **Stephen A. Spector, M.D., Professor, Department of Pediatrics & Center for Molecular Genetics, UCSD, 9500 Gilman Drive, La Jolla, CA 92093-0672. Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

RESEARCH PROFESSIONAL
Newport Beach, California

Allergan is a highly respected global leader in the development, manufacture, and marketing of pharmaceutical drugs for a variety of neuromuscular disorders as well as eye and skin care. Join us as we continue to explore innovative approaches to glaucoma, cataracts, neuromuscular disorders, contact lens care, and receptor-selective retinoids. This position involves research into the regulation of iridial pigmentation, determination of structure-activity relationship for synthetic compounds in cells constitutively expressing or transfected with human receptors, and receptor localization in tissues. We require a B.S. degree in biology or a related field and broad cell culture experience. We prefer an M.S. degree and at least two years of background in pigmentation research, with second messenger assays and immunohistochemistry or *in situ* hybridization techniques. We reward our employees with a competitive salary, an excellent benefits package, and a great working environment. To learn more about this opportunity with Allergan, please send your resumé to: **Allergan, Human Resources Department, Attention: J. Smith, 3845, 2525 Dupont Drive, T2-1B, Irvine, CA 92715. Equal Opportunity Employer.**

A **POSTDOCTORAL POSITION** is available to study Ca²⁺ signaling between excitable or non-excitable cells (epithelial/endothelial-smooth muscle of airways, myometrium, or glial cells: *Mol. Cell. Endocrinol.*, 98:173, 1994). Techniques to include simultaneous electrophysiology and/or photochemistry with fluorescence video microscopy. Electrophysiology experience desirable. Send curriculum vitae and research interests to: **Dr. M. J. Sanderson, Physiology, University of Massachusetts Medical Center, 55 Lake Avenue North, Worcester, MA 01655. FAX: 508-856-5997. University of Massachusetts Medical Center is an Equal Opportunity/Affirmative Action Employer.**

ENHANCED POSTDOCTORAL POSITION

Opportunity for Ph.D. with proven experience in molecular biology and production of transgenic mice to join extremely well-funded group investigating the molecular basis of cardiopulmonary signal transduction using transgenesis. Position provides a dedicated full-time technician and an excellent transgenic/knockout facility that carries out injections, clips, animal care, etc. Excellent salary and benefits. Potential for advancement to faculty status. Send curriculum vitae and three letters of recommendation to: **Dr. Stephen B. Liggett, University of Cincinnati Medical Center, 231 Bethesda Avenue, Room 7511 MSB, Cincinnati, OH 45267-0564.**

COLUMBIA UNIVERSITY

POSTDOCTORAL POSITION available to study integrin receptor signaling in T cell development. We have developed a transgenic mouse model using integrin-dominant negative constructs that perturb T cell development. Experience in molecular biology required, and immunology background preferred. Send curriculum vitae and names of three references to: **Dr. Eugene Marcantonio, Department of Pathology, Columbia University, 630 West 168th Street, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITIONS available to work on the following projects: 1) Molecular mechanisms of amyloid formation in Alzheimer's disease and related disorders, 2) Structural properties and the chaperone action of acrySTALLIN and related heat shock proteins. Background in protein chemistry, protein-protein or protein-membrane interactions, and biophysical/spectroscopic methods (e.g., fluorescence, CD, FTIR preferred). Send curriculum vitae to: **Dr. W. K. Surewicz, Institute of Pathology, Case Western Reserve University, Cleveland, OH 44106.**

POSTDOCTORAL RESEARCH POSITIONS available in cell and molecular biology/immunology for studying the cellular mechanisms of pathological bone resorption or immunoregulation of autoimmune arthritis, and the prospective immuno- and gene therapies of these diseases. Experience in molecular biology, immunology, or cell biology is desirable. Applicants should send curriculum vitae, brief summary of research experience, names of current preceptor/adviser, and at least one other referee to: **Tibor T. Glant, M.D., Ph.D. Prof., Departments of Biochemistry and Orthopedic Surgery, Rush University at Rush-Presbyterian St. Luke's Medical Center, 1653 West Congress Parkway, Chicago, IL 60612.**

POSITIONS OPEN

POSTDOCTORAL POSITION
Clinical Pharmacology/Pharmacokinetics
of Antitumor Agents

The Mayo Cancer Center conducts an extensive developmental therapeutics program for the treatment of cancer. Our laboratory characterizes the pharmacology and metabolism of new agents in conjunction with NCI-sponsored adult Phase I and Phase II clinical trials, and in conjunction with Children's Cancer Group pediatric clinical trials. The laboratory is also funded to conduct pre-clinical pharmacology, metabolism, and mechanisms of action studies with new agents. Candidates should have a strong background in pharmacokinetics, metabolism, and/or pharmacology. Candidates with postdoctoral experience will be considered for a more advanced appointment. Applications including curriculum vitae, summary of research interests and experience, and names of three references should be forwarded to: **Dr. Matthew M. Ames, Chair, Division of Developmental Oncology Research, Department of Oncology, Mayo Clinic and Foundation, Rochester, MN 55905. Mayo Foundation is an Affirmative Action/Equal Opportunity Educator and Employer.**

POSTDOCTORAL POSITION available September 1, 1996 (available for up to four years) to study the sympathetic nervous system innervation of white adipose tissue (*Am. J. Physiol.*, 268:R744-R751, 1995) using a safe viral transneuronal tract tracer. Candidates should hold a Ph.D. in neuroscience, zoology, biology, or psychobiology, and have knowledge of immunocytochemistry. Salary commensurate with experience. Send curriculum vitae and names of three references by August 1, 1996 to: **Human Resources/Employment, Georgia State University, University Plaza, Atlanta, GA 30303.** Additional information can be obtained from **Dr. Timothy J. Bartness, Departments of Psychobiology and of Biology. Email: bartness@gsu.edu. Georgia State University is an Equal Opportunity Educational Institution and is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION
To Study Telomere Structure and Function

Position available immediately in telomere biochemistry lab. Ongoing projects include studies of telomere-binding proteins, telomerase, telomere replication, and *de novo* telomere synthesis. Experience in molecular biology, protein biochemistry, or enzymology required. Send curriculum vitae, description of research experience, and three reference letters to: **Dr. Carolyn Price, Department of Chemistry, 610 Hamilton Hall, University of Nebraska, Lincoln, NE 68588. FAX: 402-472-9402. <http://wwitch.unl.edu/price/price.html>.**

POSTDOCTORAL POSITION available for the study of starch biogenesis in plants. Project includes biochemical analyses of genes that determine starch composition, and transformation of maize and potato to produce altered starch. Experience in molecular biology is essential and knowledge of carbohydrate chemistry is desirable. Please send curriculum vitae and names of three referees to: **Drs. M. James and A. Myers, Department of Biochemistry and Biophysics, 2152 Molecular Biology Building, Iowa State University, Ames, IA 50011. FAX: 515-294-0453.**

POSTDOCTORAL POSITION

The position is for an individual to study a newly identified DNA excision repair pathway, which is specific for UV photoproduct damage. Experience in molecular biology, yeast genetics, and/or biochemistry preferred. Send curriculum vitae and the names of three references to: **Dr. Greg A. Freyer, Department of Environmental Sciences, Columbia University, HHSC Room 5-535, 701 West 168th Street, New York, NY 10032.**

Columbia University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH SCIENTIST

Position available to study molecular aspects of radioresistance and radiation-induced changes in cell cycle progression in yeast and mammalian systems. Candidate should have a Ph.D. in molecular biology or a related field. Experience with recombinant DNA and yeast preferred but not essential. Send curriculum vitae and names and addresses of three references to: **Dr. H. B. Lieberman, Center for Radiological Research, Columbia University, 630 West 168th Street, New York, NY 10032. We are an Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

RESEARCH TRAINING IN CARDIOVASCULAR SCIENCE (M.D. and Ph.D.)

POSTDOCTORAL POSITIONS funded by NIH are available to study the cellular and molecular mechanisms involved in the regulation of the cardiovascular system. This is a multidisciplinary training program involving scientists with research expertise in biochemistry, pharmacology, physiology, microbiology, molecular biology, and medicine. Research topics include neural mechanisms, vascular biology, signal transduction, metabolism, and protein regulation. The successful candidates may receive training in cardiology and pulmonary research or in basic biomedical research with scientists who are using the latest technology to explore the mechanisms of cardiovascular disease. Qualified Ph.D. or M.D. candidates should send a letter of interest and curriculum vitae to: **Dr. Vernon S. Bishop, Department of Physiology, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78284-7756.**

Award of the annual stipend is limited to U.S. citizens and permanent residents. The University of Texas Health Science Center at San Antonio is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

Two NIH-funded **POSTDOCTORAL POSITIONS** are immediately available in mosquito vector biology with a broad focus on vector competence and epidemiology. Both positions will emphasize field biology coupled with a molecular biology or molecular genetics approach to several arboviral disease problems associated with *Aedes* and other mosquito species. Funding is available for two to two and a half years. Send curriculum vitae, cover letter with statement of research interests, and names and addresses of three references to: **Dr. Paul R. Grimstad, University of Notre Dame, Vector Biology Laboratories, Department of Biological Sciences, Notre Dame, IN 46556-5645.** *Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION—The Angiotensin II Receptor and Tyrosine Phosphorylation, Department of Pathology, Emory University. An NIH-funded position is available to study the intracellular signaling initiated by the angiotensin II receptor. Unlike the typical paradigm of G-protein coupled receptors, angiotensin II can stimulate an intracellular cascade of protein tyrosine phosphorylation. The successful applicant will work with graduate students and technicians and is expected to take a substantial role in developing a program investigating angiotensin II mediated signaling. Applicants should have a Ph.D. or M.D. with experience in molecular biology or protein phosphorylation. Send curriculum vitae, reprints, and references to: **Ken Bernstein, M.D., Room 2309 WMRB, 1639 Pierce Drive, Emory University, Atlanta, GA 30322.** *Emory University is an Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL RESEARCH POSITION

A position to study mismatch repair and recombination of UV-damaged DNA has been newly funded at Oregon State University (OSU) by the American Cancer Society. Work focuses on recognition of UV photoproducts by *E. coli* MutHLS proteins and resultant recombination (see *Genetics*, 140:1175, 1995). Experience in DNA biochemistry and/or bacterial/phage genetics, and in recombinant DNA techniques, is essential. Preferred starting date is October 1, 1996. Send complete curriculum vitae and names of three references by August 1, 1996, to: **Dr. John Hays, OSU Agricultural Chemistry Department, ALS 1007, Corvallis, OR 97331.** *OSU is an Affirmative Action/Equal Opportunity Employer and is responsive to dual career couples. Position Number 001-1639.*

POSTDOCTORAL POSITION: A one-year NIH-funded position is available August 1, 1996 to study the mechanism of gender differences in stress response of rats to hypoxia. Applicants should be trained in cardiovascular and respiratory physiology and be proficient with computers and statistics. Applicants should recently have obtained or be about to obtain a Ph.D. in a relevant area of research. Send curriculum vitae and names of three references to: **Steve Wood, Ph.D., Professor and Chairman, Department of Physiology, East Carolina University School of Medicine, Greenville, NC 27858.** *An Equal Opportunity/Affirmative Action University. Accommodates individuals with disabilities. Applicants must comply with the Immigration Reform and Control Act.*

POSITIONS OPEN

POSTDOCTORAL POSITION

Available immediately. This is an NIH-funded position to participate in a program project to comprehend the enigma of human galactosemia. A prime focus is galactose metabolism in a "knock-out" mouse model of galactose-1-phosphate uridylyltransferase, the deficient enzyme in the human disease. Comprehending specific organ galactose toxicity and establishing a long-term hepatic cell line are principal aims. These animals will be used to initiate molecular approaches to gene therapy for the disorder. A background primarily in biochemistry and secondarily in molecular biology would be helpful.

Per NIH guidelines, candidates must be citizens or permanent residents (possessing a green card) of the United States. Holders of temporary or student visas are not eligible for consideration. Send curriculum vitae and names of three references to:

Stanton Segal, M.D.
Division of Biochemical Development and
Molecular Diseases
The Children's Hospital of Philadelphia
The Joseph Stokes, Jr., Research Institute
The Leonard and Madlyn Abramson
Pediatrics Research Center
Suite 402
34th Street and Civic Center Boulevard
Philadelphia, PA 19104-4318

Women and minorities are encouraged to apply. Equal Opportunity/Affirmative Action Employer. Minority/Female/Disabled/Veteran.

NEUROVIROLOGY

A position is available for a **POSTDOCTORAL FELLOW** (U.S. citizen, permanent resident, or non-U.S. citizen) who has a Ph.D./M.D. or equivalent degree with expertise in molecular biology, virology, molecular genetics, or neuropathology. Applicant will focus on interface between molecular virology and neuropathology. The position includes working in a small group focusing on JC virus and PML pathogenesis. The appointment will be for two years with a salary range between \$25,000 and \$38,000 per year. Please submit a curriculum vitae, statement of research interests, and three letters of reference by June 30, 1996 to: **Dr. Gerald Stoner, Laboratory of Experimental Neuropathology, NINDS, NIH, Building 36/Room 4A-29, Bethesda, MD 20892-4126.** *Telephone: 301-496-6144. NIH is an Equal Opportunity Employer.*

POSTDOCTORAL POSITION

Viral Vectors and Gene Knock-Outs
University of North Carolina at Chapel Hill

We are seeking a **POSTDOCTORAL FELLOW** to participate in studies designed to elucidate the role of astrocytes in brain. Viral vectors will be used to deliver knock-down constructs (e.g. dominant-negatives) to specific populations of astrocytes and knock-out strategies will be employed to disrupt astrocytic genes *in vivo*. Applicants should have extensive experience in the theoretical and practical aspects of molecular biology. The selected candidate will work closely with other members of our multidisciplinary neuroscience laboratory. Send curriculum vitae and names of three references to: **Ken D. McCarthy, Department of Pharmacology, CB Number 7365-FLOB, University of North Carolina, Chapel Hill, NC 27599-7365.** *FAX: 919-966-5640.*

POSTDOCTORAL POSITION available to conduct research on cholinergic mechanisms of memory deficits following traumatic brain injury in rats. Preference given to individuals with a neurochemical background. Send (or FAX) curriculum vitae and names of three references to: **Dr. C. Edward Dixon, Department of Neurosurgery, University of Pittsburgh, 200 Lothrop Street, B-400 Presbyterian University Hospital, Pittsburgh, PA 15213.** *FAX: 412-624-0943; Email: cdixon@neuronet.pitt.edu.*

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

Two **POSTDOCTORAL POSITIONS** available immediately to study regulation of ion channels by growth factors and cytokines in human colonic epithelial cells and signal transduction in smooth muscle. Study will involve using patch-clamp technique and intracellular Ca²⁺ measurements. Experience in electrophysiology is desirable. Qualified candidates should send curriculum vitae and names of three references to: **Hamid I. Akbarali, Ph.D., Division of Gastroenterology, Beth Israel Hospital and Harvard Medical School, 330 Brookline Avenue, Boston, MA 02215.**

POSITIONS OPEN

POSTDOCTORAL/RESEARCH SCIENTIST POSITIONS

G Proteins

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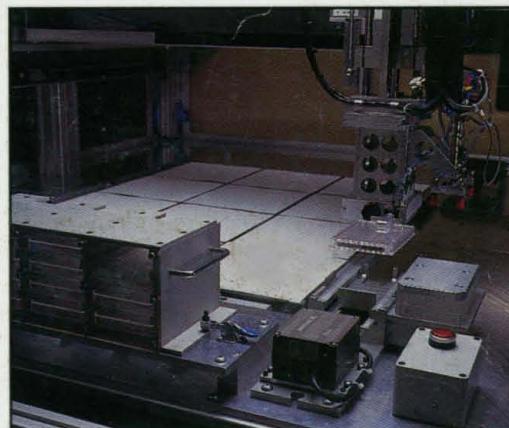


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