screen larger amplicons (up to 10 times greater) than with conventional methods, which means more sequence scanned per reaction for increased throughput. The system is as sensitive as sequencing, but at a fraction of the cost. Life Technologies. Circle 139.

mRNA from Total RNA Kit

The MPG mRNA Purification Kit is designed for purifying mRNA from total RNA. The kit makes uses of magnetic separation technology, which allows purification of mRNA in a single tube, eliminating the need for oligonucleotide dT columns. All components of the kit are aqueous and nontoxic. The mRNA is immobilized onto MPG Streptavidin-oligo(dT)20, with yields of up to 4 μg of pure intact mRNA per 1 mg of MPG particles. CPG. Circle 140.

Spectrophotometer

The BioSpec-1601 spectrophotometer comes standard with applications and super microcells to meet the requirements of the life sciences market. The built-in software includes a full range of functions from nucleic acid purity to protein quantitation, performance validation, and kinetics. Sample absorbance or transmittance can be displayed on the unit’s interactive pop-up screen or directed to the printer. Windows-based software can be added to further expand into Michaelis-Menten kinetics. Shimadzu Scientific Instruments. Circle 141.

Perfusion Chromatography Columns

POROS Perfusion Chromatography prepacked columns and bulk media feature patented technology that permits high flow-rate separations without sacrificing resolution or capacity. Protein separations can be performed 10 to 100 times faster than with conventional chromatography media. POROS columns and bulk media are available for these techniques: anion exchange, cation exchange, hydrophobic interaction, affinity, and reversed-phase chromatography. Boehringer-Mannheim. Circle 142.

Literature

Buffers from Amresco describes a line of liquid buffer concentrates and dry buffer blends for electrophoresis and blotting buffer needs. Amresco. Circle 143.

InspectIR FT-IR Microanalysis Accessory is a technical brochure on a device that incorporates the latest advances in infrared sampling technology, optical design, and video imaging into an accessory that can acquire quality spectral data quickly and easily. This powerful combination permits analysis of virtually any sample without preparation, including polymers, pharmaceuticals, coated materials, rubber, contaminants, fibers, paper, and forensic samples. Spectra-Tech. Circle 144.


Cytosensor Microphysiometer: The Only Comprehensive Assay System for Receptor Signaling is a technical brochure with more than 14 experimental data graphs demonstrating the use of this system for a variety of applications: agonist and antagonist profiling, G protein differentiation, signaling specificity, apoptosis, cytotoxicity, signal transduction elucidation, T cell signaling, in vitro toxicity, and microbial susceptibility and challenge assays. The system can detect responses triggered by a wide variety of receptor classes coupled to different second messengers. Molecular Devices. Circle 146.

The Bioprobe Microbial Contamination Monitoring System describes an instrument that provides a sensitive and immediate assessment of the microbiological status of process and rinse waters. Hughes Whitlock. Circle 147.

EX-300 Desktop Elemental Analysis System provides rapid, nondestructive analysis of elements from magnesium through uranium from parts-per-million to 100%. Materials suitable for analysis include solids, liquids, slurries, and powders. Jordan Valley AR. Circle 148.

PCR Product Separation and Analysis is a brochure on products for polymerase chain reaction research. FMC BioProducts. Circle 149.

Handbook of Non-Contact Temperature Sensors contains 130 pages on these infrared devices. Exergen. Circle 150.
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FOREST ECOLOGIST

The Department of Forestry at Michigan State University is seeking applicants for a full-time (12-month), tenure-track position as DIRECTOR OF forest ecology. Applicants are encouraged to submit their applications by May 1, 1996. The successful applicant is expected to: 1) build a nationally recognized scholarship program in forest ecology with a focus on landscape, ecosystem, and community-level problems critical to forest management in Michigan; 2) develop collaborative projects, research applications, and extension programs with the Forest Management Division of the Michigan Department of Natural Resources; and 3) teach one course (every other year) in forest ecology at the graduate level, participate in the interdepartmental Ecological Evolutionary Biology Program, and be involved in M.S. and Ph.D. graduate education. Candidates must have a Ph.D. in forest or plant ecology, with at least one degree in forest ecosystem science, and be able to develop an expertise in managing forest ecosystems. The successful applicant must be able to demonstrate excellence in research, teaching, and scholarship in the area of forest ecology. This position is expected to begin on June 1, 1996.

Send curriculum vitae and reference list to: Mr. David Freeman, Search Chair, Marietta College, Marietta, OH 45750. Application review will begin immediately. Candidates must be qualified to work permanently in the United States.
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**Ph.D. Chemistry Bioanalytical Research**

Candidates should have a strong background in HPLC/atmospheric pressure ionization mass spectrometry and analytical method development. Experience in bioanalytical method development would be an asset. Specific areas of involvement will include:

- Design/conduct experiments to elucidate the effect on sensitivity of the many parameters associated with the various stages of HPLC/positive or negative mass spectrometry

- Using model compounds of varying chemical structures, design/conduct experiments to compare the sensitivity obtained with the two modes of atmospheric pressure ionization mass spectrometry (electrospray and APCI) with the goal of establishing practical guidelines for the a priori choosing between the two techniques for the analysis of a compound of a given chemical structure

- Investigate the potential for LC/MS or LC/MS/MS for quantitative bioanalysis of macro biomolecules

**Dept. MS-MJ**

**Ph.D. Chemical Engineering Chemical Process Engineering**

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This highly organized and motivated individual will work on developing new sequencing and template preparation strategies. Applicants should have BA/BS in Biology or relevant discipline and at least 1 year of experience in DNA sequencing, in addition to excellent analytical and organizational skills. You must also have a working knowledge of ABI 377 machinery. REF: 035.

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The USC/Norris Comprehensive Cancer Center is seeking to recruit a senior basic scientist with an international reputation in cancer research to provide scientific leadership to the biochemists, molecular and cell biologists and immunologists who form the basis of pre-clinical and translational work of the Cancer Center. This individual will have direct responsibility for the Gene Regulation and Cell Biology Programs and will have overlapping responsibility for ensuring the integration of these disciplines into the newly established disease-based programs within the Center. The Associate Director will have an active peer-reviewed funded research program and will share responsibility for recruitment with appropriate program leaders. The Associate Director will have a tenured position in an appropriate academic department of the School of Medicine and will foster existing training programs, develop new training programs, develop funding for new equipment, be responsible for the Mini-symposia Series and Seminar Program and oversee the operation of Cancer Center core resources of particular relevance to basic science members. The position will be supported by the recently renewed Cancer Center Support Grant and by a newly established Endowed Chair. Space for the Associate Director’s research program, together with space for new cancer center recruitment in the basic sciences will be available in the recently completed Topping tower which has doubled the Center’s research space. Send C.V. together with the names of 3 references to Peter A. Jones, Ph.D., Director, USC/Norris Comprehensive Cancer Center, 1441 Eastlake Avenue, MS# 83, Los Angeles, CA 90033. USC is an Affirmative Action/Equal Opportunity Employer.

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Qualified applicants must possess a doctoral degree with at least two years of postdoctoral experience and be board-certified in cytogenetics. M.D. applicants must have or be able to obtain a California medical license. Broad experience in all aspects of clinical cytogenetics, including FISH technology, is essential, and evidence of scholarly productivity is preferred. The rank and series of academic appointment will be commensurate with prior experience, accomplishments, and career goals.

Interested applicants should send a letter of intent, curriculum vitae, and names, addresses and telephone numbers of three references to: Wayne W. Grody, M.D., Ph.D., Chair, Cytogenetics Search Committee, Divisions of Medical Genetics and Molecular Pathology, UCLA School of Medicine, Los Angeles, CA 90095-1732. UCLA is an equal opportunity employer.
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To qualify for our Scientist position, you will need a BS in Animal Science or related field and 7-10 years of experience, or an MS and 5-8 years of experience. To be considered for this position, please respond to: Human Resources-BG, Dept. DD96-27.

To qualify for our Assistant Scientist position, you will need a BS in Animal Science or related field and 2-4 years of experience, or an MS and 1-2 years of experience. To be considered for this position, please respond to: Human Resources-BG, Dept. DD96-29.

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Indianapolis, IN 46268
Phone: 317-337-4956
FAX: 317-337-4970

Chairman, Department of Biochemistry and Molecular Biology
Medical College of Ohio

The Medical College of Ohio invites applications for the position of professor and chairman of the Department of Biochemistry and Molecular Biology. Candidates must have a Ph.D. or M.D. degree (or their equivalents) and have an outstanding record of scientific accomplishments, research funding, graduate and medical education, and evidence for administrative and leadership ability. The successful candidate will lead a strong department of eleven full-time faculty with strengths in molecular biology, enzymology, peptide chemistry and regulation of cell growth.

The Medical College of Ohio is a free-standing, state-supported institution with outstanding modern educational, research and clinical facilities. We seek an energetic and highly interactive chairperson who will promote the future growth of the department to implement the missions of the School of Medicine and the College. To apply, send a curriculum vitae and the names of three references to:

John P. Rapp, D.V.M., Ph.D.
Chairman, Biochemistry Search Committee
Professor and Chairman
Department of Physiology & Molecular Medicine
Medical College of Ohio
P.O. Box 10008
Toledo, Ohio 43699-0008

Home Page Address is: http://www.mco.edu

The Medical College of Ohio is an Affirmative Action/Equal Opportunity Employer
INTERNISTS/CLINICAL GENETICISTS

Genetics in Drug Development

SmithKline Beecham Pharmaceuticals is recognized as a world leader in human healthcare and genetic medicine. We are seeking two board-certified physicians to join our innovative clinical team.

As a Clinical Geneticist, you will be part of a transnational clinical group that will be the focal point for interactions with discovery genetics and genomics scientists. You will have primary responsibility for integrating genetic analysis into early and late phase drug development. In addition, you will participate in studies to evaluate gene function in human populations.

Candidates must be board certified MDs with at least two years of significant scientific clinical research in the field of human genetics. Subspecialty training is preferred of all applicants, as is a PhD.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation/benefits/relocation package. For confidential consideration, please forward resume and salary requirements to: SmithKline Beecham Pharmaceuticals, Job Code H6-0140-S, 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.

Showcase Your Scientific Career Opportunities
On-line for Two Months

Regulatory Affairs Forum

Beginning on May 17, the topic of Scientists as Regulatory Affairs Specialists will be discussed in a two-month interactive career forum on SCIENCE’s Next Wave, a new on-line publication. During that time, your organization’s logo will appear on the first page of this forum and will be linked to a listing of your scientific career opportunities or your organization’s homepage. Because this is on-line, you will have the flexibility to change the career opportunities posted throughout the two-month period. Only SCIENCE brings you this opportunity to make information about careers at your organization accessible to the thousands of scientists who visit SCIENCE’s World Wide Web site every day.

http://sci.aaas.org/nextwave

For more information contact Janis Crowley • Phone: (202) 326-6532 • Fax: (202) 682-0816
On 14 June, SCIENCE will publish a special advertising section devoted to career opportunities for scientists with disabilities. This section will examine the steps being taken by employers to make their work environments accessible to all scientists.

- What are companies and institutions doing to create barrier-free buildings and work stations?
- How do organizations utilize the thousands of devices designed to accommodate people with special needs?

By advertising in this special section, your organization can send a recruitment message and show support for hiring scientists with disabilities.

**Bonus Distribution**
This issue will be distributed to the AAAS Resource Group of Scientists and Engineers with Disabilities.

**Benefits to Full Page Advertisers:**
- **Special Positioning**
  Full page recruitment advertisements will receive placement throughout the career-related special advertising section.
- **Advertiser Indexes**
  An index of full page recruitment advertisements referring readers to your ad in the special section will be published in this issue.
  Names of full page recruitment advertisers will also be listed on an index affixed to the covers of magazines mailed to the AAAS Resource Group of Scientists and Engineers with Disabilities.
- **The Internet**
  The advertising supplement will also be published on SCIENCE Classified Advertising On-line. An on-line advertiser index will link directly to your full page ad, and we will link your on-line ad to a listing of your career opportunities or your home page for no additional charge.

All recruitment advertisements are posted on SCIENCE Classified Advertising On-line. [http://www.aaas.org](http://www.aaas.org)

To advertise contact Janis Crowley
Phone: (212) 496-7704; FAX: (202) 682-0816.

Advertising space reservation deadline: 21 May
**Genes and Cancer**

**Albert Einstein Cancer Center**

The Albert Einstein Cancer Center, one of the first NCI-funded matrix centers in the US, along with the School of Medicine, has initiated a major expansion with new facilities and resources focused on basic and translational research programs. We are seeking six faculty at the Assistant to Full Professor level who have an outstanding record of research accomplishment. Preferred areas include: regulation of cell proliferation, differentiation or cell death; genetic basis of metastasis; mouse models for human cancer; human cancer genes. Faculty will be appointed to a relevant basic science department and will join well-established intra-disciplinary programs in immunology, virology, developmental biology, molecular genetics, membrane biology and drug development. A strong clinical oncology program offers the opportunity to extrapolate basic research findings into the clinic. Physician-scientists are especially encouraged to apply.

The Albert Einstein College of Medicine is located in a suburban neighborhood in New York City minutes from Westchester county, and it provides a highly interactive research environment. Strong supporting core facilities include among others, transgenic and gene targeting facilities, structural biology, cytogenticists, DNA and protein chemistry and digital image capabilities. Competitive salaries and start up packages are provided. Please send curriculum vitae and three letters of reference to: Dr. Jeffrey Pollard, Chair, Recruitment Committee, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, Cancer Center, Belfer 1002, 1300 Morris Park Avenue, New York, NY 10461. Equal Opportunity Employer.

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**Marine Microbiology**

Applications are invited for a scientific position at MBARI, at Assistant, Associate, or Senior level, in the research area of microbiology. MBARI offers unique opportunities for advanced, technology-based scientific research, and we encourage cooperative projects between scientists and engineers. The successful candidate will be expected to develop independent research programs, consistent with these themes. Further, he/she will be expected to interact with ongoing MBARI programs in primary productivity, midwater ecology, and/or benthic biology.

Founded in 1987 by the late David Packard, MBARI is a nonprofit, private oceanographic research institute, uniquely dedicated to the development of state-of-the-art equipment, instrumentation, systems and methods for scientific research in the deep waters of the ocean. Located in Moss Landing, California, MBARI’s newly established research center includes science and engineering laboratories, as well as an operations facility to support our research vessels. The Institute deploys a remotely operated vehicle (ROV) to depths of 1500m in Monterey Bay for the purpose of scientific investigation, and is currently developing a new advanced ROV with an operating depth of 4000m.

MBARI enjoys cooperative relations with neighboring academic institutions, including Stanford University, the University of California at Santa Cruz, the Naval Postgraduate School, and Moss Landing Marine Laboratories, with opportunities for collaborative research. Our special relationship to the Monterey Bay Aquarium also provides a unique opportunity for public outreach in the ocean sciences.

Applications should include an updated curriculum vitae, a statement of research interests, and the names and addresses of four professional references. Applications should be submitted prior to June 24, 1996 to be considered. The preferred starting date is before December 31, 1996. MBARI offers a competitive compensation and benefits package, including retirement. Please respond to MBARI, Human Resources, Dept. MB, PO Box 628, Moss Landing, CA 95039-0628. EOE. MBARI welcomes Diversity.

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**American Society of Tropical Medicine and Hygiene**

**Annual Meeting Call for Abstracts**

The American Society of Tropical Medicine and Hygiene (ASTMH) will hold its 45th Annual Scientific Meeting December 1-5, 1996, at the Hyatt Regency in Baltimore, Maryland. Abstracts are to be submitted on a disk provided by the Society. The deadline for receipt of abstracts is June 3, 1996.

To request your disk, contact:
American Society of Tropical Medicine and Hygiene
60 Revere Drive, Suite 500
Northbrook, IL 60062 USA
Phone: 847/480-9592
Fax: 847/480-9282

ASTMH is the sole organization in the United States representing scientists engaged in research on tropical diseases. The ASTMH annual meeting includes basic research on disease agents and mechanisms of pathogenesis at the molecular level; new methodologies for diagnosis; vaccine and drug design and evaluation; epidemiologic investigations; public health vector biology and control. Some items of special interest at the 1996 meeting include:

- Nucleic Acid Vaccines for Human Viral Pathogens — J. Patterson
- Measles: The Neglected Tropical Killer — C. Karp
- Vitamin A Status: Morbidity and Mortality — A. Sommer
- Use of Parasites to Dissect Components of the Host Immune Response — R. Locksley
- Molecular Biology and Biochemistry of Parasites: Impact on Disease — S. Haile
- Vaccine Development, from the Lab Bench to Clinical Trials — M. Levine
- Viral Evolution — J. Patterson
- Cryptosporidium and Cryptosporidiosis — T. Graczyk and R. Fayer
- Sustaining Malaria Control — C. Shiff
ACNP

GLAXO WELLCOME

Clinical Neuropsychopharmacology

The American College of Neuropsychopharmacology (ACNP) is pleased to announce the ACNP/Glaxo Wellcome FELLOWSHIP in Clinical Neuropsychopharmacology to be awarded on or after July 1, 1996. This fellowship is intended to provide an individual with an educational environment for a clinical specialist to acquire formal instruction, knowledge, and skills to pursue a career in clinical neuropsychopharmacology. It is open to those who have successfully completed a M.D. or Ph.D. degree. 

APPLICATIONS ARE INVITED from individuals who have completed at least two years of postdoctoral research training in the area of clinical pharmacology. Successful applicants will be expected to contribute to the development of clinical pharmacology training programs, and to provide educational and research experiences for medical and graduate students. Please send a letter indicating the specific position sought, curriculum vitae, statement of research and teaching interests with future plans, and the names of three references to: Chairman, Department of Pharmacology, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92037-0754.

RESEARCH SCIENTISTS

Cell Biology, Biochemistry, Screening Assays

Receptron, Inc. is a biotechnology company focused on the discovery and development of peptide receptors. The company has two to three positions open for RESEARCH SCIENTISTS in the areas of biochemistry, molecular biology, protein chemistry, and development of high throughput screening technology. The successful candidate should have a minimum of one year of experience in a peptide/peptide receptor related field. Competitive compensation and benefits. Please address all applications to: Receptron, Inc., 3150 30th Ave. N.W., Suite 200, Minneapolis, MN 55411.

PROGRAM LEADER—PLANT PATHOLOGIST

United States Department of Agriculture (USDA)

Cooperative State Research Education and Extension Service

The Cooperative State Research, Education, and Extension Service (CSREES) of USDA has an opening for a PLANT PATHOLOGIST to provide program leadership and evaluation for Research and Extension activities linking Federal programs to the Land Grant University system. Candidates must have a Ph.D. or other degree with major study in plant pathology or a closely related field. In addition, other specialized experience is required. Closing date for applications is extended to June 17, 1996. For application instructions contact: Bruce Craig, USDA/ARS, Room 1423 South Building, 1400 Independence Avenue, S.W., Washington, DC 20250. Telephone: 202-720-6130. USDA is an Equal Opportunity Employer.

ASSISTANT PROFESSORS

PHYSIOLOGY

The Department of Physiology and Biophysics at the University of Florida College of Medicine invites applications for two full-time, 12-month, non-tenure track FACULTY positions at the rank of Assistant Professor to be filled during the 1996-97 academic year. Competitive full-time salary and start-up funds are available for individuals who combine significant research credentials with an interest in patient care. Applicants must be strongly committed to research and who are using cellular or molecular techniques to study neuronal signaling mechanisms or cardiovascular physiology. Applicants must have successfully completed a Ph.D. or M.D. degree and at least three years of postdoctoral research training. Successful applicants will be expected to establish an independent, nationally recognized research program supported by extramural funds and effectively teach medical and graduate students. Please send a letter indicating the specific position sought, curriculum vitae, statement of research and teaching interests with future plans, and the names of three references to: Search Committee, Department of Physiology and Biophysics, University of South Florida, College of Medicine, Tampa, FL 33612-4799. Applications must be received by June 1, 1996. For further consideration, contact: Dr. Dietz, Telephone: 813-974-2527/TDD 813-974-2218 a minimum of five working days in advance.

DIRECTOR

PROGRAM IN DIABETES RESEARCH

Department of Medicine at Case Western Reserve University (CWRU), University Hospitals of Cleveland, and the V.A. Medical Center seek an outstanding INVESTIGATOR (M.D. or Ph.D.) to develop and direct a Program in Diabetes Research. Applicants should submit curriculum vitae and names of three references to: Dr. David Beck, Dean, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4951. CWRU is an Equal Opportunity/Affirmative Action Employer.

ENDOWED PROFESSORSHIP

REPRODUCTIVE CANCER

University of California, San Francisco

The Department of Obstetrics, Gynecology and Reproductive Sciences seeks candidates holding Ph.D. and/or M.D. degrees with research expertise in basic science research and cell biology, molecular biology, or reproductive endocrinology. The successful candidate will have a strong record of achievement and be expected to establish an independent, nationally recognized research program. The candidate will be expected to provide mentorship and training to graduate students, postdoctoral associates, and fellows. The position is located in the Clinics of Obstetrics, Gynecology and Reproductive Sciences, and the applicant will have the opportunity to develop a strong research program in areas of interest, to participate in graduate education and to apply for extramural funds. Please send letter of application, curriculum vitae, statement of research interests and experience, and three letters of recommendation to: Chair, Search Committee, Department of Obstetrics, University of California, San Francisco, Division of Reproductive Endocrinology, 5th Floor McKee Pavilion, 505 Parnassus Avenue, San Francisco, CA 94143-0103.

SCIENTIFIC DIRECTOR

Minor voluntary health agency seeks experienced scientist to oversee all research programs. Responsibilities include coordination and management of all major laboratory, clinical, and epidemiological research programs. Demonstrated ability to generate extramural funds and to develop new directions will be critical. Please send curriculum vitae and names of three references to: Dr. Michael R. Wessells, Channing Laboratory, Brigham and Women’s Hospital, 180 Longwood Avenue, Boston, MA 02115. Harvard Medical School/Brigham and Women’s Hospital are Equal Opportunity/Affirmative Action Employers. Women and minorities are encouraged to apply.

FACULTY POSITION

Pharmacology and Toxicology

A tenure-track faculty position at the ASSISTANT or ASSOCIATE PROFESSOR level is available in the Department of Pharmacology and Toxicology, College of Medicine, University of Kentucky, Lexington, Kentucky, USA. The successful candidate is expected to develop a strong independent research program and participate in medical and graduate teaching. Research interests in pharmacology are relevant. The position is open to those with Ph.D. or M.D., Ph.D. degrees. Applications should include curriculum vitae, selected reprints, statement of research interests, and three letters of reference. Review of applications will begin August 1, 1996 and will continue until the position is filled. Please send letter of application to: Dr. James L. Way, Chair, Search Committee, Department of Pharmacology and Toxicology, College of Medicine, University of Kentucky, Lexington, Kentucky, USA 40506-0298. Women and minorities are encouraged to apply.

SIGNAL TRANSDUCTION

University of Kansas Medical Center

The Department of Physiology is seeking to fill a tenure-track ASSISTANT PROFESSOR position with an outstanding individual investigating signaling pathways involved in the regulation of cell growth, differentiation, and/or cell death. Preference will be given to individuals pursuing research related to reproduction and cancer. The successful candidate will have an opportunity to participate in a highly productive and growing Training Program in Reproduction and contribute to the teaching of medical and graduate students. Please send: 1) a statement of future research interests and goals; 2) letters of recommendation to: Chair, Search Committee, Department of Physiology, University of Kansas Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160-7961. Applicable letters will be accepted until June 25, 1996 or until the position is filled. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

HARVARD MEDICAL SCHOOL

Research is focused on the biology of streptococcal capsular polysaccharides, including environmental and genetic regulation of capsule synthesis and interactions of bacterial surface molecules with eukaryotic cells. Experience in molecular biology, cell biology, tissue culture techniques, and animal models all helpful. Send curriculum vitae and names of three references to: Dr. Michael R. Wessells, Channing Laboratory, Brigham and Women’s Hospital, 180 Longwood Avenue, Boston, MA 02115. Harvard Medical School/Brigham and Women’s Hospital are Equal Opportunity/Affirmative Action Employers. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION

available to study the molecular and cellular role of opioid receptors in the function of T-cells. Studies will include a molecular analysis of receptor structure and processing. Experience and interest in the molecular biology required. Applicants must be United States citizens or have resident alien status. Please send curriculum vitae and at least three letters of reference to: Dr. Thomas J. Romero, Department of Microbiology and Immunology, Temple University School of Medicine, 3400 North Broad Street, Philadelphia, PA 19104. FAX: 215-707-7788. An Equal Opportunity/Affirmative Action Employer. We strongly encourage women and minorities to apply.
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@dpceps.nci.nih.gov

DEADLINE FOR RECEIPT OF APPLICATIONS: SEPTEMBER 1, 1996

NIH is an Equal Opportunity Employer

The University of North Carolina at Chapel Hill  
Distinguished Undergraduate Teaching Professorships  
Applications, nominations and inquiries are sought for four new Kenan Distinguished Undergraduate Teaching Professorships at the University of North Carolina at Chapel Hill. These distinguished professors must demonstrate excellence and commitment as undergraduate teachers and also have a record of outstanding scholarship or artistic creativity. Distinguished professors may affiliate with any program at the University that offers an undergraduate major, including departments and interdisciplinary programs in Arts and Sciences as well as Business, Education, Journalism, Nursing, Medicine, Pharmacy and Public Health.

Selection will take place over the next 12 months with appointments anticipated to begin July 1, 1997. Applications and nominations received by July 1, 1996 will be assured full consideration.

Applications should include evidence of teaching effectiveness, along with a curriculum vitae and a letter summarizing the applicant's research and teaching interests. These should be sent to:

Office of the Provost  
Search Committee:  
Kenan Undergraduate Teaching Professorships  
CB #3000, 104 South Building  
University of North Carolina at Chapel Hill  
Chapel Hill, NC 27599-3000

The University of North Carolina is an Affirmative Action, Equal Opportunity Employer committed to fostering diversity in its faculty, staff and student body, and welcomes applications from underrepresented groups.

University of Minnesota Cancer Center and the  
University of Minnesota Bone Marrow Transplantation Program Endowed Cancer Center Chair in Bone Marrow Transplantation

The University of Minnesota Cancer Center and the University of Minnesota Bone Marrow Transplantation Program seek applications for the Endowed Cancer Center Chair in Bone Marrow Transplantation. This full-time appointment will be tenured at the Associate or full Professor level. Interested individuals must have an M.D. or a Ph.D., with a minimum of five years of postdoctoral research experience in the general areas of immunobiology, molecular biology or cellular biology, an active research laboratory and a proven record of high quality research as shown by publications in quality peer-reviewed journals. For appointment at full Professor the individual will have demonstrated leadership in a strong innovative research program receiving national recognition. The individual chosen will participate actively with Bone Marrow Transplant Program members in the investigation of basic biologic principles underlying human transplantation and in the development of new transplant-related therapies. Strong emphasis will be placed on the individual’s ability to interface successfully with the multidisciplinary membership of the Cancer Center. The recipient of the chair will be a member of the Cancer Center, the Bone Marrow Transplantation Program, and have an academic appointment to the Medical School department best suited to the individual’s research interest.

A complete application, including a current curriculum vitae, the names and addresses of three references, and a brief statement of research interests should be sent to: Catherine Verfaillie, M.D., University of Minnesota Cancer Center, Box 806 UMHC, 420 Delaware Street SE, Minneapolis, MN 55455, ATTN: Cindy Prange. Last date for receipt of applications is June 14, 1996.

The University of Minnesota is an equal opportunity educator and employer.
Director, Corporate Scholars Program
The Molecular Design Institute
University of California San Francisco

Applications are invited for a full-time, non-tenure track appointment in the UCSF-Molecular Design Institute to lead a new educational program that provides a customized academic forum for corporate sponsored scholars seeking advanced knowledge in the Health Sciences. This program brings established industrial scientists and researchers to UCSF for extended interactions with our faculty and researchers in molecular modeling, molecular calculations, and structural biology. Related topics in drug delivery and molecular medicine will be presented.

Applicants must have a Ph.D. and expertise in molecular calculations and an interest in drug discovery and biotechnology. Primary responsibilities include:

- course development
- marketing/corporate recruitment
- liaison with Pacific Rim pharmaceutical and biotechnology companies as well as in the United States, and Europe.

A supplementary research appointment may be considered.

To apply, submit curriculum vitae and three letters of reference by June 15, 1996 to Professor Irwin Kuntz, Director, UCSF-Molecular Design Institute Box 0446, San Francisco, CA, USA, 94143-0446. Fax (415) 476-9124. http://mdi.ucsf.edu

The University of California is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

Global Career Opportunities

Dean
College of Biomedical Sciences

The University of Osteopathic Medicine and Health Sciences is seeking a dean for its recently established College of Biomedical Sciences.

The dean will report to the vice president for academic and medical affairs and will be responsible for the development, implementation and administration of policies affecting faculty in the departments of anatomy, biochemistry, microbiology, and physiology and pharmacology.

Qualified applicants should: 1) have a doctoral degree in a field related to the college's departments; 2) possess excellent communication skills; 3) be willing to form educational partnerships in the community; 4) be recognized as an outstanding teacher; 5) be familiar with problem-based learning and computer-assisted instruction; and 6) have experience developing and managing budgets.

UOMHS is a private, 98-year-old institution offering education programs for osteopathic physicians (D.O. degree), pediatric physicians (D.P.M. degree), physician assistants (B.S. degree), physical therapists (M.S. degree) and health care administrators (B.S., M.H.A. degrees). Total enrollment is 1,275.

Candidates should send a letter of application, curriculum vitae and three letters of recommendation to: Paul Peter Koro, D.O., F.A.C.O.S., Interim President, UOMHS, 3200 Grand Ave., Des Moines, IA 50312-4198.

The deadline for submitting application materials is June 15, 1996.

University of Osteopathic Medicine and Health Sciences
An Equal Opportunity/Affirmative Action Institution
RESEARCH LEADER
-- ANALYTICAL R&D

Hoffmann-La Roche has an immediate opening for a Ph.D. Scientist in its Analytical R&D Department to lead a group working on methods development and validation, analysis and specification setting for therapeutic proteins. The initial assignment will be to prepare for the PLA filing of a product currently in phase III clinical trials; experience with writing CMC regulatory documents in the US and/or Europe and negotiating product specifications with regulatory agencies is an essential requirement for this position.

The individual selected for this important position will have an extensive knowledge of state-of-the-art techniques for the physico-chemical analysis of proteins and of the CMC regulatory issues related to protein therapeutics. Post-doctoral research and at least five years relevant experience in the biotechnology or pharmaceutical industry is required. The ability to direct and lead laboratory scientists and participate in multidisciplinary international project teams responsible for development of drug candidates is essential.

We offer an attractive salary and benefits package. For consideration, please send your resume with salary requirements to: Ms. Stella Straza, Department SS346DP, Hoffmann-La Roche, Nutley, New Jersey 07110-1199. PRINCIPALS ONLY. No phone calls please. We are an equal opportunity employer.

MEDICAL ONCOLOGIST
or CLINICAL IMMUNOLOGIST

NeXstar Pharmaceuticals, Inc. is a rapidly growing pharmaceutical company engaged in the discovery, development, and marketing of products to treat life-threatening diseases. Based in Boulder, Colorado, we are a world leader in combinatorial chemistry and liposomal drug delivery and are focusing our efforts on drugs for oncology, immunology and infectious disease indications. The company employs roughly 450 people worldwide and markets two approved drugs, AmBiome and DaunoXome.

NeXstar seeks an outstanding physician with extensive training and expertise in medical oncology or clinical immunology, with broad interests in all these areas. This position will provide an important clinical/scientific interface with company research scientists and physicians, and academic physicians and scientists, both in the U.S. and in Europe. Participating in the selection of therapeutic targets, advising on the development of clinical products, helping set the standards of excellence in our clinical programs, and driving clinical programs toward successful completion of Company goals are all important parts of this job. In addition, the successful candidate will assist commercial operations, business development, and corporate communications staff in meeting corporate goals and communicating the company's progress. In addition to outstanding clinical and scientific skills, the successful candidate will have excellent written and oral communications skills.

This position will be based in Boulder, Colorado, which has a wonderful environment for biotechnology as well as the rest of life's satisfactions. NeXstar offers an attractive benefits and compensation package, including stock options and bonus eligibility. Mostly, we offer an incredible opportunity to contribute to a unique growing company that is driven to improve patients' quality of life by improved treatment of serious disease. Please send resume in confidence to:

Human Resources--Position 900
NeXstar Pharmaceuticals, Inc.
2800 Wilderness Place
Boulder, CO 80301

NeXstar Pharmaceuticals is an Equal Opportunity Employer.
What's the shortest distance between two points? A straight line, of course. And that's exactly what SCIENCE's Classified Advertising On-line delivers: a direct link for talented scientists just like you, to the most comprehensive listing of new scientific career opportunities you can find anywhere.

Here's what's new:

- **New easy-to-use format:** SCIENCE now has a new easy-to-use format designed by Stanford University's Highwire Press. The new enhancements make finding great career opportunities even easier!

- **New search engine:** Now all classified ads are fully searchable in a format that allows you to narrow your recruitment search by discipline and geographic area.

- **New system enhancements:** Look for additional features and services throughout 1996 to help you find the perfect career opportunity!

Make a straight line to your computer and check out the new and improved SCIENCE Classified Advertising On-line!

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Select SCIENCE Classified Advertising from the menu
At Searle, a subsidiary of the Fortune 500 Monsanto Company, we pride ourselves in being recognized as one of the world's foremost pharmaceutical companies. We're seeking an aggressive and talented professional to join our team in St. Louis.

POST-DOCTORAL RESEARCH SCIENTIST
Protein Engineering

You will work closely with a cross-disciplinary team to develop novel engineered proteins. You will also participate in developing methods for gene construction, expression, selection, assay and isolation of recombinant proteins. Additional opportunities exist in the design and purification of novel proteins for structural studies.

We require a Ph.D. in Biochemistry or Biophysics along with significant experience in cloning and expression of DNA (bacterial or eukaryotic). Experience with genetic selection or phage display is a definite plus.

We offer an excellent salary and benefits package. For consideration, please send your resume with salary history to: Searle, Attn: C. McWherter, 700 Chesterfield Parkway, BB3G, St. Louis, MO 63198. An equal opportunity employer.

DIRECTOR, DIVISION OF KIDNEY, UROLOGIC, AND HEMATOLOGIC DISEASES (DKUHD)

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), located in Bethesda, MD, is seeking an outstanding physician for the position of Director, Division of Kidney, Urologic, and Hematologic Diseases (DKUHD). This is a Senior Executive Service (SES) permanent full-time position with a salary range of $100,526 to $122,688 per annum commensurate with qualifications. Applicants must demonstrate research experience and knowledge of research programs in one or more areas related to kidney, urologic, and hematologic diseases. May be eligible for Physicians Comparability Allowance of up to $20,000 per year. A recruitment bonus of up to 25% may be available to a non-Federal applicant. The deadline for receipt of application is July 31, 1996.

The Director, DKUHD, is the principal advisor to the Director, NIDDK, on matters and policies pertaining to research grants, contracts, training and specialized programs in kidney, urologic, and hematologic diseases including basic and applied research, training fellowships and institutional training awards, and clinical trials. Additionally, the incumbent may have the opportunity to contribute to independent research projects in the area of kidney, urologic and hematologic diseases.

For more information contact Ms. Joanna Voight, NIDDK Personnel Office, Bldg. 31, Room 9A30, 9000 Rockville Pike, Bethesda, Maryland 20892; (301) 496-4231.

U.S. Citizenship Required / NIH is an Equal Opportunity Employer

Ph.D. MICROBIOLOGIST

The DowElanco Department of Biotechnology and Plant Genetics has an immediate opening for an experienced, highly innovative Ph.D. microbiologist who has comprehensive technical knowledge and experience in the area of microbial interactions in the soil/plant environment. As part of an interdisciplinary team, this scientist will be responsible for technical leadership of an existing group focused on the discovery and characterization of novel micro-organisms which produce toxins useful for proprietary approaches to agricultural and urban pest control. Required technical skills will include experience in optimization of lab-scale fermentation parameters, the ability to apply knowledge of microbial physiology to non-standard laboratory micro-organisms, and expertise in the taxonomic categorization of diverse micro-organisms. Post-doctoral experience in the area of microbial pathogens of plant pests is highly desirable.

The successful candidate will join a highly productive, team-oriented group of scientists committed to the discovery of novel biologically-derived molecules that will lead to new classes of agricultural products for the future.

In addition to a competitive compensation and benefits package, DowElanco offers challenging opportunities within a creative, stimulating, and diverse work environment. DowElanco is an affirmative action, equal employment opportunity employer.

Interested candidates should send a letter of interest, resume, transcripts, and the names, addresses and phone numbers of three references to:

Kathy McIntyre/Microbial R&D Human Resources
DowElanco
9330 Zionsville Road
Indianapolis, IN 46268-1054

Deadline for submission is July 1, 1996.

Post-Doctoral Position

Magnetic Resonance Imaging

Bracco Research USA Inc., the U.S. research and development labs of Bracco S.p.A., one of the world's leaders in MRI contrast agents, has a 1 year post-doctoral opportunity, with the possibility of renewal, in its Chemical and Biological Evaluation Department. Our new facility in Princeton, NJ houses a SISCO 2T MRI system fitted with Accustar gradient coils, Unity console and a SparcStation 10 workstation. Image and spectral processing facilities are networked with a state-of-the-art FDDI backbone. The incumbent will participate in our Targeted MRI program, carrying out imaging studies in both physical and animal models that will define optimal pulse sequence timing parameters for Bracco's proprietary contrast agents. The incumbent will also work on selected contrast agents applied to various model systems. The successful candidate will possess a Ph.D. or M.D. degree in a related area with 1-3 years experience in MRI. For consideration, please submit your resume and a cover letter to: Human Resources,

Bracco Research USA, Inc.
305 College Road East
Princeton, NJ 08540.

We are an Affirmative Action/Equal Opportunity Employer.
UNIVERSITY OF SOUTH FLORIDA COLLEGE OF MEDICINE AND H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE

PROGRAM IN OVARIAN EPITHELIAL CANCER PATHOBIOLOGY

The Department of Pathology and Laboratory Medicine and the H. Lee Moffitt Cancer Center and Research Institute at the University of South Florida College of Medicine are seeking a well-qualified Ph.D. applicant at the Assistant/Associate/Professor level with research interests in the area of Ovarian Epithelial Cancer Pathobiology. Appointment at the Assistant Professor level requires the applicant to have a minimum of two years of post-doctoral experience. Academic rank beyond that of Assistant Professor will be commensurate with qualifications and experience. This position may be tenure-earning.

As part of expansion of basic research, the Department is recruiting outstanding candidates who have completed three-to-five years of relevant postdoctoral research and are able to develop independent research in the following areas: a) cell-to-cell and cell-extracellular matrix interaction during benign and malignant morphogenesis; b) genetic and molecular alterations in cancer initiation and progression; c) in vivo, including transgenic/knock-out, and in vitro models of carcinogenesis as these areas relate to ovarian epithelial cancer pathobiology. Experience with cell cycle and morphogenesis regulators, ovarian-specific gene regulation and molecular and cell biology is desired.

Candidates are expected to participate in the graduate and postdoctoral teaching activities of the Department. Research space and support packages for a period of up to three years are available for recruited candidates. Applicants should send their curriculum vitae, a statement of their research interest and the names of three references to: Santo V. Nicosia, M.D., Professor and Chairman, Department of Pathology and Laboratory Medicine or Warren J. Pledger, Ph.D., Associate Center Director for Basic Research, H. Lee Moffitt Cancer Center and Research Institute, Office of Faculty Recruitment, 12902 Magnolia Drive, Tampa, FL 33612-9497. Applications must be postmarked by deadline date of July 5, 1996.

H. LEE MOFFITT CANCER CENTER & RESEARCH INSTITUTE
University of South Florida College of Medicine

The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Employer. For disability accommodations please contact Jody Swanson at (813) 975-7894 a minimum of five working days in advance. TDD #813-974-2218

DRUG METABOLISM & PHARMACOKINETICS

SmithKline Beecham is recognized as an international leader in pharmaceutical research and development. Right now, we are seeking an experienced scientist to join our innovative Biotransformation Department within the Drug Metabolism and Pharmacokinetics area.

As part of a multi-disciplinary team, the successful applicant will be responsible for the conduct of absorption, distribution, metabolism and excretion studies during late stage discovery and early phase development of novel pharmaceuticals. You will share your significant knowledge of biotransformation pathways and separation technologies appropriate to metabolite separation, quantification and identification, as well as maintain a commitment to providing high-quality verbal and written biotransformation data.

Necessary qualifications include: the minimum of a BS degree in Biochemistry, Biological Sciences or Chemistry; at least one year of industrial experience in pharmaceutical/agrochemical environment; and/or MSc or PhD. Proven expertise and a successful track record of scientific achievement in the drug biotransformation field is essential. Applicants must have good technical skills, experience working with common laboratory animal species, experience handling radiolabelled materials and familiarity with working under SOPs in a GLP compliant facility.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a highly competitive compensation, benefits and relocation package. For confidential consideration, please send resume and salary requirements to: SmithKline Beecham Pharmaceuticals, Job Code B6-0142, P.O. Box 2676, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.

SmithKline Beecham Pharmaceuticals

Challenging the natural limits.

Much of the success of Bayer Corporation, Pharmaceutical Division, is based on innovation and research. At the same time, all of our success is based on the talent and drive of our people. As an integral part of Bayer, a $26.8 billion global leader, we have the resources to provide our employees with a state-of-the-art, multidisciplinary environment that encourages their professional growth and makes our success possible. Join our dedicated team of professionals in the following positions:

Graduate Scholar

We are seeking a qualified individual to study the function of presenilin gene products in the central nervous system as part of our exploratory effort in the identification of novel therapeutic targets for Alzheimer’s disease. Duties will include biochemical and pharmacological assay development, particularly in the area of protein-protein interaction, signal transduction pathways and the role of presenilins in neurodegeneration. These positions require a Ph.D. in biochemistry, pharmacology or a related discipline. Experience in functional genomics, molecular and cellular biology would be an advantage. Dept. Elcb

Graduate Scholar

Responsibilities include the management of several in vivo models. This could include coordinating a transgenic colony, surgically manipulating rodent CNS, and conducting biochemical procedures such as enzyme assays, receptor binding, and protein analysis (Western, ELISA)

A recent Ph.D. in neuroscience or related discipline with expertise in development and characterization of in vivo models of dementia is required. Experience with CNS molecular biological and biochemical techniques, as well as with evaluation of transgenic animals, would be an advantage. Dept. Elcb

We offer attractive compensation and generous benefits. For immediate consideration, please forward a resume, including salary history, to: Bayer Corp., Pharmaceutical Division, 400 Morgan Lane, West Haven, CT 06516. No phone calls please. An Equal Opportunity Employer M/F/D/V.

Bayer Corp. is committed to creating and maintaining cultural diversity within our work environment.

Bayer Pharmaceutical Division
Megan Health
St. Louis, MO
Molecular Biologist
A biotechnology company is seeking Ph.D. and Master’s level scientists to conduct research leading to the development of human and animal vaccines using avirulent Salmonella vector systems. Candidates should have several years of experience in molecular biology, preferably working with bacterial pathogens. Research experience in microbial genetics, immunology, and animal science is desirable. Familiarity with the pharmaceutical or veterinary industry, GLP and GMP would also be desirable.

Compensation and stock option package commensurate with experience. Opportunity for professional growth and increasing responsibility. Send resumes with references to Dr. Brian L. Clevinger, Megan Health, 3655 Vista Avenue, St. Louis, MO 63110. Materials will be kept confidential. Megan Health is an Affirmative Action/Equal Opportunity Employer. Applications from minorities and women are encouraged.

Assistant to the Director
UNIVERSITY OF IOWA
Center for Biocatalysis and Bioprocessing
The University of Iowa, Center for Biocatalysis and Bioprocessing (CBB), seeks an outstanding scientist and/or administrator to serve as Assistant to the Director of the Center. The position is available immediately. Candidates should possess an advanced degree plus knowledge and demonstrated interest in biocatalysis and bioprocessing. Outstanding interpersonal and communication skills and versatile computer networking capabilities required. Knowledge of GLP compliance for bioprocessing desirable.

The candidate will work closely with Director Jack Rosazza and Associate Director Jonathan Dordick in overall operations, management, coordination, and continuing development and promotion of the CBB Laboratories and of 1) Core Fermentation Facility, 2) Development of grants and contracts to secure industrial, federal, and state support; 3) development of industrial mini-symposia, seminars, and short courses for industrial scientists and engineers; and participation as liaison between the CBB and industry, the state of Iowa, and national biotechnology organizations.

Proposed annual salary range is $45,000-55,000, depending on experience. Send a curriculum vitae and three letters of reference to Dr. John P. N. Rosazza, Director, Center for Biocatalysis and Bioprocessing, University of Iowa, Oakdale Research Park, 2501 Crosspark Road, Iowa City, Iowa 52242-5000. Phone (319) 335-4903; FAX (319) 335-4901; e-mail: beverly@uiowa.edu.

Applications will be received until the position is filled. The University of Iowa is an Affirmative Action/Equal Opportunity Employer. Minorities and women are encouraged to apply.

National Institute for Discovery Science
Research Management
(Multiple Positions)

The National Institute for Discovery Science, a private research organization, is looking for senior managers for long-term employment. NIDS will explore cutting-edge issues related to the nature and evolution of consciousness and the universe.

Managers must be capable of employing accepted scientific methods to novel or unconventional observations or theories while maintaining the highest ethical and quality standards. Successful candidates will have a doctoral degree and substantial experience managing complex research projects. Work will be reviewed and approved by a world-class science advisory board. A history of successful publication is a plus. Please send resume/CV to: National Institute for Discovery Science, Dept. S, 4640 So. Eastern, Las Vegas, NV 89119
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Visit the SCIENCE On-line Web site and you just may find the key piece of information you need for your research. The fully searchable database of research abstracts and news summaries allows you to look through current and back issues of SCIENCE on the World Wide Web. Tap into the sequence below and see the SCIENCE On-line World Wide Web site for yourself.

http://www.aaas.org

Select SCIENCE from the menu.
New York Sea Grant Director Search
The State University of New York (SUNY) and Cornell University invite applications for the full-time position of Director of the New York Sea Grant Institute, a cooperative program of these two universities and part of NOAA's National Sea Grant College Program. The Director is based at the State University of New York at Stony Brook and reports to the Chancellor of SUNY and the President of Cornell University through a Board of Governors.

Responsibilities: The Director provides overall leadership for the development, conduct and evaluation of the entire spectrum of research, education, communications, training and extension activities undertaken by the Institute. In collaboration with the Associate Director/Extension Program Leader located at Cornell and the Assistant Director, the Director carries out a variety of leadership and management responsibilities. The Director manages a budget of over $3.0M from both federal and state sources.

Qualifications: The Director must have demonstrated record of progressively responsible administrative and managerial experience, effective leadership skills and a knowledge of the federally funded research process. An understanding of, experience with, and dedication to university outreach or extension activities is essential. Familiarity with an existing Sea Grant program and the Sea or Land Grant mission is highly desirable. The Director also must have a distinguished record of scholarly accomplishments in a marine- or Great Lakes-related discipline that could qualify him/her for a faculty appointment in the Marine Sciences Research Center at the State University of New York at Stony Brook. A doctorate or appropriate equivalent degree is required. Ability to communicate effectively with diverse audiences, both orally and in writing, is also required. Salary and benefits are competitive and commensurate with experience and qualifications.

Application Procedure: Nominations and applications are invited. Applicants should submit a letter of application/interest, a current curriculum vitae, and the names, addresses and telephone numbers of at least three references to:

Dr. J. Kirk Cochran, Co-Chair, NYSGI Director Search Committee, c/o New York Sea Grant Institute, 115 Nassau Hall, SUNY Stony Brook, Stony Brook, NY 11794-5001

Closing date for applications is June 15, 1996, or until a suitable candidate is selected.

An AA/EEO Employer

STONY BROOK
STATE UNIVERSITY OF NEW YORK

Applications Development/ Business Development
Symyx Technologies is a rapidly growing, well-financed, start-up company dedicated to the development of combinatorial discovery technologies within the field of materials science. We are seeking to hire one individual who will identify and analyze commercial opportunities for novel materials as well as for devices containing novel materials across a broad range of industries. The diversity of applications will span general areas such as electronics, communications, chemicals, and semiconductors. The position requires both a strong technical background and more than 5 years of experience related to the commercial application of at least one material or corresponding device. The individual should have an advanced technical degree, preferably in either chemistry, physics, materials science, or an engineering discipline.

Symyx Technologies offers equity participation, competitive salary & benefits commensurate with experience, and a truly exciting corporate environment. Interested candidates should send a resume to:

Symyx Technologies
Attn: Isy Goldwasser
420 Oakmead Parkway
Sunnyvale, CA 94086

Equal Opportunity Employer

Search Committee for Chair
Department of Obstetrics and Gynecology
School of Medicine
The University of North Carolina at Chapel Hill

The School of Medicine of The University of North Carolina at Chapel Hill is searching for an individual to chair the Department of Obstetrics and Gynecology and to provide continued scholarly, academic and administrative leadership to its already outstanding and existing programs. The nationally recognized department has an established residency program providing for a total of 24 residents with three approved fellowship programs plus a fellowship program in urogynecology. The department has excellent facilities and strong collaborative relationships with other departments, research centers and programs within the University. The clinical activities of the department are mostly housed in the UNC Hospitals and The University of North Carolina AHEC (Area Health Education Centers). An entirely new clinical facility for women is under construction and will be completed before the year 2000. Other academic and industrial institutions in the Research Triangle enhance the scientific and diverse environment.

Minimum qualifications include an MD degree, a distinguished record of clinical excellence, creative research productivity, administrative skills, and a commitment to medical education and community service. Letters nominating qualified candidates are requested. Letter of interest, curriculum vitae and the names/addresses/phone numbers of four or more references from qualified candidates are welcomed. Reply to Roberta Williams, MD, Chair, Department of Obstetrics and Gynecology Search Committee, c/o Office of the Dean, School of Medicine, CB# 7000 MacNider Hall, The University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27599-7000 (Attention: H. Wilson). The University is an Equal Opportunity Employer. Women and members of minority groups are encouraged to apply.

An Equal Opportunity/Affirmative Action Employer

CHAIR OF RADIATION ONCOLOGY
Associate Professor or Professor Level
The Cancer Institute of New Jersey at the University of Medicine and Dentistry of New Jersey - Robert Wood Johnson Medical School invites applications for the position of Chair of the newly formed Department of Radiation Oncology. We are seeking an outstanding academic physician who has made a significant contribution to cancer research or treatment and has demonstrated strong administrative ability. The Chair will have primary responsibility for building the clinical, research, and training programs.

The Cancer Institute of New Jersey has been designated by the National Cancer Institute (NCI) as a planning site for one of its comprehensive cancer centers. The Cancer Institute is developing a statewide network of health care and scientific partners to provide state-of-the-art clinical care and to conduct world-class cancer research.

Applicants should submit curriculum vitae to: Ms. Cheryl Abolyme, Human Resources, The Cancer Institute of New Jersey, 303 George Street, Suite 501, New Brunswick, NJ 08901. UMDNJ is an Affirmative Action/Equal Opportunity Employer, m/f/d/v, and a member of the University Health System of New Jersey. Minorities and women are encouraged to apply.

An Equal Opportunity/Affirmative Action Employer

U M D N E W J E R S E Y
TWO POSTDOCTORAL positions available (one immediately, the other on January 1, 1997). Molecules important for the cellular maintenance and function of the nervous system are being analyzed in rodents, using modern molecular biology (gene targeting, yeast-two hybrid system, viral vectors) and cell biology (immunolocalization, confocal microscopy, patch-clamp techniques). The focus of our work concerns calcium-binding proteins expressed by interneurons in the brain. Applicants should have recent Ph.D. and/or M.D. training in virology, molecular biology, and genetics to do research on the molecular pathogenesis of Simian and Human Immunodeficiency Viruses (SIV and HTV-1). A strong background in molecular biological techniques and/or protein biochemistry preferred. Send curriculum vitae, and names of references to: Dr. David J. Whitfield, 1997 D'Aubigny Place, North Bethesda, MD 20852.

POSTDOCTORAL FELLOWSHIP. Immediate opening for NIH sponsored fellowship to study role of DNA conformation, chromatin structure, and nuclear architecture in selection of DNA targets by enediyne anticancer drugs and other radical-mediated genotoxins. Preference given to Ph.D. or M.D. with training in virology, molecular biology, and genetics. Send curriculum vitae, and names of three references to: Dr. Robert L. Moyer, Department of Radiation Oncology, Box 980058, Medical College of Georgia, Augusta, Georgia 30918. Phone: 956-4031. Fax: 956-4133. E-mail: moyer@mcgmu.com.

POSTDOCTORAL POSITION. National Institute of Allergy and Infectious Diseases National Institutes of Health.

Position available August 1, 1996 for Ph.D. and/or M.D. with training in virology, molecular biology, and genetics to do research on the molecular pathogenesis of Simian and Human Immunodeficiency Viruses (SIV and HTV-1). Funded by the Whitaker Foundation. A strong background in molecular biological techniques and/or protein biochemistry preferred. Send curriculum vitae, and names of three references to: Dr. Paul M. Kieny, Division of AIDS, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD 20892. E-mail: pkieny@niaid.nih.gov. Phone: 202-415-0365.

POSTDOCTORAL POSITION available immediately to 1) develop an integrated quantitative fluorescence imaging and electrophysiology instrument, and 2) study development and transcriptional gene expression in nerve cell lineages involved in intracellular pH and cell volume regulation in mammalian embryos (see, e.g., J. Biol. Chem., 270:24424, 1995). Funded by the Whitaker Foundation. Send curriculum vitae and names of three references to: Dr. Jay M. Balas, Lobo Medical Research Institute, 1053 Carling Avenue, Ottawa, ON, Canada K1Y 4G9. Fax: 613-761-5327; Email: jay@eich.ottawa.on.ca.

POSTDOCTORAL POSITION available immediately to conduct studies on the BZIP transcription factor NF-κ and on proteins involved in retinal dysfunctions. Research experience in transgenic, laser-scanning techniques, yeast genetics, protein purification, or neurobiology is highly desirable. Competitive salary plus benefits. Send curriculum vitae and names of three references to: Anand Swaroop@umich.edu. The Biomedical NMR Laboratory at the University of Michigan, 100 Wall Street, Ann Arbor, MI 48105. Phone: 313-747-0228; Email: swaroop@umich.edu. The University of Michigan is an Equal Opportunity Employer.

RESEARCH ASSOCIATE POSITIONS/NMR.

The Biomedical NMR Laboratory at the Howard University invites applications for two RESEARCH ASSOCIATE positions. Areas of intended research include: 1) drug metabolism, water movement in plants, 2) probe design using high temperature superconductor material. Applicants should have a recent Ph.D. and/or M.D. degree with experience in one of the two fields of research. Send letter of application, curriculum vitae, and names of three references to: Dr. J. William R. Winn, Chair, Howard University, 555 Turner Road, Northwest Washington, DC 20059. Phone: 202-806-3282; FAX: 202-806-3372. Email: jwinnie@howard.edu.

Ion Channel and Function. Applicants should have a strong background in physiology, biophysics, or molecular biology, preferably with experience in site-directed mutagenesis and patch clamp recording. The position is in a multidisciplinary group working on glutamate receptors and ion channels. A Ph.D. or M.D. degree awarded within the past five years is required. Send curriculum vitae, background and training, and names of three references to: Dr. M. Mayer, LCMN, Building 49, Room 710-17, NIH, Bethesda, MD 20892. E-mail: mml@helix.nih.gov. Position available October 1, 1996.

POSTDOCTORAL POSITION—Virologist/Biochemicalist for position structural, functional, and genetic studies of the baculovirus major envelope protein. Studies involve in vitro mutagenesis, receptor binding, membrane fusion, protein structure, and generation of mutant viruses. Experience in in vitro and in vivo cell biological techniques and/or protein biochemistry preferred. Send curriculum vitae, and names of three references to: Dr. G. Blissard, Boyce Thompson Institute at Cornell University, Ithaca, N.Y. 14853-1801. Telephone: 607-254-1366; E-mail: gb1@cornell.edu. Affirmative Action/Equal Employment Opportunity.

POSTDOCTORAL POSITIONS available immediately to: 1) use electron microscopy to analyze the structure of the DNA replication fork. Work to involve collaborations with Robert Lehman (HSV-1), Nancy Nossal (T4), Charles Richardson (DNA), and Charles Richardson (17). Will also involve studies of translesion synthesis and biochemical analysis. Background in DNA-protein interactions or electron microscopy required. Send curriculum vitae, and names of three references to: Dr. R. C. Straus, Laboratory of Cell Biology, National Institutes of Health, Bethesda, MD 20892. Telephone: 301-496-7000; FAX: 301-496-7027; E-mail: rstraus@nih.gov. The National Institutes of Health is an Equal Opportunity Employer.

SIX positions available to study the cellular and molecular mechanisms of leucocyte response in normal and tumour-bearing host. Areas of interest include: cytokine-regulated leucocyte function, chemotherapy, dependent leucocyte vaccine therapy; regulation of leucocyte recruitment, monocyte/macrophage activation and antigen presentation. Experience in vitro, molecular/cellular biology, and/or immunology is required. Send curriculum vitae, and names of three references to: Dr. J. D. C. Fallaize, Department of Biochemistry, Medical School, University of Newcastle upon Tyne, NE2 4HH, UK. E-mail: jdf2@cc.newcastle.ac.uk. Telephone: 44-91-222-2385; Fax: 44-91-222-3122. The Queen's University of Belfast is an Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately for Ph.D. or M.D. with equivalent experience in molecular and/or cellular immunology (flow cytometry, sequence analysis, gene expression, and cellular and/or molecular biology). Send curriculum vitae and names of three references to: Dr. V. A. Whitaker, Biology and Control Laboratory, Swiss Federal Institute of Technology, ETH, CH-8092, Zurich, Switzerland. Telephone: 41-1-632-7411; Fax: 41-1-632-7577. E-mail: wiedler@vrlv.ethz.ch. The Swiss Federal Institute of Technology in Zurich is an Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP available immediately to study radiation-induced transcriptional activation and signal transduction mechanisms using antisense technology. We are particularly interested in mapping DNA sequences involved in radiation-induced DNA-mediated gene expression to study nuclear protein kinase/phosphatase-mediated events. Experience in molecular biology essential; tissue culture and virology preferable. Please send curriculum vitae and names of three references to: Dr. K. P. A. Williams, Division of Radiation Oncology, Medical College of Georgia, Augusta, Georgia 30918. Phone: 956-4031. Fax: 956-4133. E-mail: kwilliams@mcgmu.com. The University of Georgia is an Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP available immediately for a Ph.D. or M.D. with equivalent experience in molecular and/or cellular immunology (flow cytometry, sequence analysis, gene expression, and cellular and/or molecular biology). Send curriculum vitae and names of three references to: Dr. S. S. White, Division of Biology, University of California, Santa Barbara, CA 93106. Phone: 805-893-4317; Fax: 805-893-4310. E-mail: swhite@ucsb.edu. The University of California, Santa Barbara, is an Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately to study the effects of electromagnetic field on gene expression and cell division in normal and transformed cells. Experience in cell biology and molecular biology is preferred. The successful applicant will work with a growth factor research group (laboratory of Jung San Huang) in the Department of Biochemistry and Molecular Biology at the State University of New York at Stony Brook. Send curriculum vitae and names of three references to: Frank E. Johnson, M.D., Department of Biochemistry and Molecular Biology, State University of New York at Stony Brook, 1000 Fresh Pond Road, Room 31-93, Frederick, MD 21702-1201. Telephone: 301-846-1233; FAX: 301-846-1673. NIH is an Equal Opportunity Employer.
The Nestlé Research Center at Lausanne, Switzerland has a two years position for a **Biochemical Toxicologist**

for studies in safety evaluation of dietary contaminants. A Ph.D. is required in toxicology or related field. Experience in characterization of phase I & II enzymes, metabolism, mutagenesis & analytical chemistry is desired.

The successful candidate should also demonstrate creativity, good written and oral communication skills.

Please send curriculum vitae, letter of interests and three references (names, address and telephone) to: Nestlé Research Center, Human Resources department, PO. Box 44, CH - 1000 Lausanne 26

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**Program Leader and Research Scientists in Agricultural Biotechnology**

**Academia Sinica, Taipei, Taiwan**

The Biotechnology Program at Academia Sinica consists of two components: agricultural biotechnology and biomedical biotechnology. The Agricultural Biotechnology Program is seeking applications from qualified scientists to serve as Program Leaders and Research Scientists. Initially, this program will be accommodated within the five existing Life Science Institutes, i.e., Biological Chemistry, Biomedical Sciences, Botany, Molecular Biology, and Zoology. In the near future, the Academy intends to establish a new Institute of Biotechnology.

There will be five areas within Agricultural Biotechnology; they are plant, floriculture, aquaculture, animal, and environment. For the fiscal year beginning July 1, 1996, the Academy intends to recruit one Program Leader and up to three senior and three junior Research Scientists.

Requirements for the positions include a Ph.D. degree. The Program Leader and the senior Research Scientists must have at least ten years of research experience with demonstrated abilities in applied and/or basic research in one of the areas indicated above, evidence of creativity, and familiarity with the Taiwan environment and language. The junior Research Scientists must have at least two years of postdoctoral training. Applicants are expected to conduct research in selected areas of biotechnology. Applications should include a cover letter, a complete curriculum vitae, and the names, addresses, and telephone numbers of 5 references. Review of applications will begin on June 1, 1996, and will continue until suitable candidates are recruited.

Applications should be addressed to:

Agricultural Biotechnology Search Committee, Office of the President, Academia Sinica, Taipei 115, Taiwan, ROC.
OPTICAL BIOSENSOR RESEARCH RESEARCH ASSOCIATE
University of Maryland at College Park

The Electrical Engineering Department at the University of Maryland, College Park, is seeking a POSTDOC- TURAL RESEARCH ASSOCIATE to participate in a collaborative project involving the development of optically based biose nso rs being carried out in conjunction with the Army Research Laboratory in Adelphi, Maryland. The research is currently being pursued by College Park investigators and Army scientists. The candidate should have expertise in biochemistry or molecular biology techniques appropriate to developing surface-specific binding assays using either antibody/antigen, complementary DNA/RNA, enzyme-linked immunosorbent specific hybridization. Experience in dealing with fluorescent chromophores or surface chemistry is also desirable. The research is being carried out by an interdisciplinary team of engineers, physicists, and biologists.

This is a multi-year supported research program and there is a possibility of a permanent position in the future for highly qualified candidates. The position is expected to be open for six months. Interested individuals should write or call by June 31, 1996 to: Professor Christopher C. Davis, Electrical Engineering Department, University of Maryland, College Park, MD 20742. Telephone: 301-405-3637; FAX: 301-314-9281; Email: ccdavis@eng.umd.edu.

The University of Maryland at College Park is an Equal Employment/Affirmative Action Employer. Women and minorities are especially invited to apply for this position.

POSTDOCTORAL POSITION
Nucleic Acids NMR

A POSTDOCTORAL POSITION is immediately available to study determinants of synaptic organization in the olfactory bulb glomerulus. Approaches currently being employed in the laboratory include confocal microscopy, light and electron microscopy, and thin section transmission electron microscopy, and tissue culture. Experience in one or more of these approaches or in molecular biology is desirable. Please send curriculum vitae and the names of three references, to: Dr. Richard A. Handschuh, Program in Neurosurgery and Neurobiology, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06520-8039. Telephone: 203-787-4034; FAX: 203-737-2159; Email: charles_groer@quickmail.yale.edu. Yale University is an Affirmative Action/Equal Opportunity Employer. Minorities and women are encouraged to apply.

POSTDOCTORAL POSITION available in August 1996 to study tyrosine kinase signaling in human breast cancer and breast development. Emphasis is on biochemi cal and molecular aspects of tyrosine kinase signaling and oncogene differentiation and regulation. Requirements: recent Ph.D./M.D. with strong background in mammalian cell transfection, mutagenesis, and cellular biochemistry. Send cover letter, curriculum vitae, and three letters of recommendation to: Evan Dreyer, M.D., Ph.D., Howe Laboratory, Massachusetts Eye and Ear Infirmary, Harvard University, 200 Longwood Avenue, Boston, MA 02114. Email: edreyer@maccmail.mit.edu.

POSTDOCTORAL POSITION available to study excitotoxicity in the retina. Cell culture, whole animal, and fluorescent imaging techniques will be used to study excitotoxic damage to central neurons. Interested applicants should send a letter of interest and three letters of recommendation to: Evan Dreyer, M.D., Ph.D., Howe Laboratory, Massachusetts Eye and Ear Infirmary, Harvard University, 200 Longwood Avenue, Boston, MA 02114. Email: edreyer@maccmail.mit.edu.

POSTDOCTORAL FELLOW

For the identification of ataxia genes (Pulst et al., Neurogenetics, 1993) and the analysis of familial brain tumors (Sainz et al., Hum. Mol. Genet., 1994), we are looking for a Ph.D. with established background in positional cloning and molecular genetics. FAX curriculum vitae and three letters of recommendation to: Dr. Susan A. O'Donnell, National Institute of Neurological Disorders and Stroke, Room 4W-37, 25 Bldg., National Institutes of Health, Bethesda, Maryland 20892. We will seek to fill TWO POSITIONS for Ph.D.'s with experience in cellular immunology and molecular biology to work in a laboratory developing transgenic mice for the study of multiple sclerosis. Please send curriculum vitae to: Neuroimmunology Research 151-D, Portland Veterans Affairs Medical Center, 3710 SW U.S. Veterans Hospital Road, Portland, OR 97221. We are an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION
Nucleic Acids NMR

Available immediately, as member of RNA research team, structure/design, protein interaction. Applicants should have Ph.D. and three years experience. Equipment includes: 500 MHz (three-channel, three-axis gradients) NMR, workstations, software for processing data and restrained molecular dynamics, and molecular modeling programs. Ability to contribute in a team environment. Experience with deuterium and carbon labeling. Send resume, current publication list, and three letters of reference. Pay is based on experience. Reply with detailed résumé, date available, experience/technical ability in NMR, and three letters of reference to: Dr. Paul F. Agris, Biochemistry, Box 767, National Institute of Environmental Health Sciences, National Institutes of Health, 20 National Center, Research Triangle Park, NC 27709. Fax: 919-541-0559; Email: SHEARS@NIHNSH.NIH.GOV.

POSTDOCTORAL FELLOW
University of California, San Francisco (UCSF)

POSTDOCTORAL position available immediately to study regulation of molecular chaperone expression, focusing on mechanism of transcriptional regulation by eth anol. The candidate will contribute to the identification of transcription factors and signaling cascade involved in ethanol action. Experience in molecular biology is required. Experience with transcriptional regulation and signal transduction is preferred. Ph.D. or equivalent experience in molecular biology, molecular biology, or related field.

Send curriculum vitae, brief summary of research experience, and three references to: Dr. Michael F. Miller, Department of Neurology, Building 1, Room 101, 1001 Potrero Avenue, San Francisco, CA 94110. Affirmative Action/Equal Opportunity Employer.

A POSTDOCTORAL POSITION is available for studies elucidating novel tyrosine kinase functions involved in epithelial cell differentiation in the lung. The emphasis is on providing insight into the role of specific tyrosine kinases and their interactions with the extracellular matrix and the role of extracellular signal transduction in the development of urogenital therapeutic strategies for fibrosis (CF) through a better understanding of progenitor/stem cells and mechanisms of cellular differentiation in the airway (Development, 121:2031-2066, 1996). Applicants must have experience in molecular biology and cDNA cloning. A second position is also available to study recombinant AAV integration biology in airway progenitor cells and cytokine mediated signaling for biotherapy for CF. The Institute for Human Gene Therapy offers an exceptional environment and resources for postdoctoral studies. Interested candidates should send curriculum vitae, publications, and three letters of reference to: John F. Engelhardt, Ph.D., University of Pennsylvania, Room 305 BRB1, 42 Curie Boulevard, Philadelphia, PA 19104-6069. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL OPPORTUNITY available in the Markey Center for Cell Signaling for biochemist with background in protein chemistry and experience in in vivo systems. Applicants are encouraged to have experience in the use of recombinant DNA technology, molecular cloning, NMR, and the use of mammalian cell expression systems. Interested candidates should send curriculum vitae and at least two references to: Dr. T. W. Sturgill, University of Virginia Health Sciences Center, Markey Center for Cell Signaling, Box 557, Charlottesville, VA 22908. FAX: 804-924-9659. An Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE—Organic Chemistry: to develop new protective groups, coupling reagents, and additives for peptide synthesis. Requires a strong background in chemical research, good publication record, and at least two years of relevant postdoctoral work. Experience in solution and solid phase peptide synthesis with analysis by HPLC, MS, and high field NMR. Experience in automation of solid phase synthesis, purification of peptides, and experience with HPLC and MS/MS are preferred. Send curriculum vitae and list of publications to: Search Committee, Department of Chemistry, Box 1414, University of Massachusetts, Amherst, MA 01003. Affirmative Action Employer.
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POSTDOCTORAL SCIENTIST
National Institute for Environmental Studies
Environmental Health Sciences Division
Applications are invited for one- to two-year POSTDOCTORAL positions, supported by STA Fellowship, for research into 1) the biological and toxicological roles of metallotherin or, 2) estrogenic activities of organochlorine compounds with special reference to the male reproductive system. Experience in molecular biology, biochemistry, and cell biology would be an asset. Before application, please read carefully details of the eligibility and application conditions (Science, 271, 29 March 1996).
Applications including a curriculum vitae, list of publications, and the names of two references should be sent to: Dr. C. Tohyama, Director, Environmental Health Sciences Division, NIES, 16-2 Onogawa, Tsukuba 305, Japan. FAX: +81-298-50-2574; Email: ctohyama@nies.go.jp.

POSTDOCTORAL POSITION
Thomas Jefferson University has a POSTDOC- TORAL position available to study cellular regulation of hercizomeric G proteins with emphasis on subcellular localization and cova lent modifications (JBC, 270:503, 1995; Cell, 77:1063, 1994). Candidate should have background in molecular biology, biochemistry, and/or cell biology and have a strong interest in signal transduction. Please forward curriculum vitae and names, addresses, and telephone numbers of three references to: Phil Wedegartner, Ph.D., Department of Cellular and Molecular Pharmacology, S-1222, Box 0480, University of California, San Francisco, CA 94143. Email: pwede@stat.ucsf.edu. No phone calls. Please send a copy of your curriculum vitae and three references to: D. H. Lowenstein, Department of Neurology, Box 0114, UCSF, San Francisco, CA 94143. FAX: 415-476-5229; Email: dhl@itsa.ucsf.edu. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION, Epilepsy Research Laboratory, UCSF. NIH-funded position available immediately for studies on the molecular basis of zonaz reorganization in the hippocampus. Expertise in molecular biology required; background in cell culture desirable. Please send curriculum vitae and three references to: D. H. Lowenstein, Department of Neurology, Box 0114, UCSF, San Francisco, CA 94143. FAX: 415-476-5229; Email: dhl@itsa.ucsf.edu. Affirmative Action/Equal Opportunity Employer.

COURSES AND TRAINING
CARDIOVASCULAR PATHOPHYSIOLOGY
FOR ENGINEERS AND SCIENTISTS
A one-week intensive course sponsored by the Massachusetts Institute of Technology, July 22 to 26, 1996, Cambridge, Massachusetts. Dr. Richard J. Cohen, Program Director. Basic Principles of Cardiovascular Physiology, Cardiovascular Medicine, Diagnostic and Therapeutic Technologies. Contact: Director of the MIT Summer Session, Telephone: 617-253-2101.

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Prerequisites include a Bachelor's degree and good performance in the Graduate Australian Medical Schools Admission Test (GAMSAT) or MCAT. The courses feature problem-based learning, tutorials, case, early patient contact, and research opportunities.
For admission in February 1997, applications close with the Australian Council for Educational Research (ACER) on 30 June 1996. Detailed information and application forms available from: ACER, Fax: +61 3-9227 5757; Telephone: +61 3-9277 5710; Email: aldous@acer.edu.au.

ANNOUNCEMENT
PRE-PROPOSALS—Deadline: 1 July 1996. International Foundation for Ethical Research (IFER) has grants available for research into alternatives to the use of live animals in research, testing, and education. Projects must take into account the three R's: Refinement, Reduction, and Replacement, plus one fourth R: Responsibility. For information and format write: IFER, 53 West Jackson Boulevard, Department J, Chicago, IL 60604. Telephone: 312-427-6025.

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The Stanford G3 RH Panel is a medium resolution, 10,000 rad panel consisting of 83 clones and two controls. An e-mail server, operated by the Stanford Human Genome Center, will attempt to link your marker to framework markers they have already assayed, which includes 973 markers from the Genethon linkage map. ESTs are also being placed in relation to these markers. Current details may be obtained from http://shgc.stanford.edu

The GENEBRIDGE 4 Panel is a lower resolution, 3,000 rad panel consisting of 93 clones and two controls. An experimental e-mail server, operated by the Whitehead Institute/MIT Center for Genome Research will attempt to link you marker to their recently released Whitehead RH framework map containing 1339 markers. Linkage to this map will often identify putative YAC clones containing and/or surrounding your marker as well as position your marker relative to thousands of ESTs and other PCR based markers. Current details may be obtained from http://www-genome.wi.mit.edu

The Stanford TNG Panel is a high resolution 50,000 rad panel consisting of 86 clones and two controls. This newly developed panel will be used to produce extremely high resolution RH maps. Currently, you may use this panel to determine the order of markers that are very close to each other, such as STSs derived from a YAC clone.

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<th>Catalog No.</th>
<th>Description</th>
<th>Quantity</th>
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<tr>
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<td>Stanford G3</td>
<td>2µg of each clone</td>
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