The method allows measurement of the total nitric oxide produced in in vitro experimental systems. *Oxford Biomedical Research* Circle 144.

- **Cell Proliferation Assay**

A new assay allows researchers to simultaneously measure cell proliferation and study phenotypically distinct subsets of a mixed-cell population using flow cytometry. The Cell Census Plus System can be used on all cell types without affecting the cell’s biological or proliferative function and requires no radioactive materials. The system makes use of an aliphatic reporter molecule (PKH26) that acts as a fluorescent membrane dye, and a patented diluent that allows the dye to incorporate strongly and evenly into the cell’s membranes. The system can also be used with immunogating techniques to measure proliferation of a select subset of cells within the whole proliferating cell culture. Sigma Chemical Co. Circle 145.

- **Literature**

ABI 172 Microbore HPLC System is a brochure on a high-performance liquid chromatography (HPLC) system optimized for micro-purification and precise automated analysis. The brochure describes how the system is suited for micropurification of proteins and peptides, peptide mapping, analysis of pharmacological and pharmacokinetic samples, and liquid chromatography/mass spectrometry applications. Perkin-Elmer. Circle 146.

LC Series Stirred Reaction Vessels describes a series of reactors for such applications as catalytic reduction, polymerization, hydrogenation, amination, oxidation, isomerization, dehydrogenation, and organic synthesis. The vessels are available in volumes from 300 ml to 8000 ml and rated for use at up to 2000 psi (138 Bar) at 350°C. Pressure Products Industries. Circle 147.

Oligo Primer Design and Analysis Software for Mac Demonstration Guide describes version 5.0 of this program. The new version provides 25 new features to improve its performance in the selection and management of optimal oligonucleotides for polymerase chain reaction, sequencing, hybridization, and other applications. An interactive demonstration disk is also available. National Biosciences Inc. Circle 148.

ATCC Animal Virus Reference Guide contains 256 pages with detailed descriptions of more than 1300 animal viruses, animal virus antisera, chlamydiae, rickettsiae, and cloned viral genomes. Product descriptions include strain designation, isolation source, host of choice, host range, and depositor information. *American Type Culture Collection*. Circle 149.

Filtration is a product guide to brand-name syringe filters, vacuum filtration systems, filter membranes, glass fiber filters, extraction thimbles, and Buchner funnels. Sigma-Aldrich Techware. Circle 150.
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RESEARCH AREAS OF THE HFSP
Basic Research for the Elucidation of

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<th>(B) Brain Functions</th>
<th>(M) Biological Functions through Molecular Level Approaches</th>
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<td>1. Elementary Processes</td>
<td>1. Expression of Genetic Information</td>
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<td>5. Language &amp; Thinking</td>
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TYPES OF SUPPORT

The program will only support research that transcends national boundaries. Thus, research grants will be awarded for programs that involve collaboration between teams in different countries; fellowships are available to young post-doctoral scientists who wish to work in a different country; and support will be provided for international workshops.

RESEARCH GRANTS
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FELLOWSHIPS
Long Term (1-2 years) and Short-Term (up to 3 months) Fellowships for researchers early in their careers and from the eligible countries* who wish to do post-doctoral research in foreign countries, or for young researchers from outside the eligible countries who wish to do research in one of the eligible countries*.

WORKSHOPS
Grants for international workshops organized by researchers from the eligible countries.

* Current eligible countries are Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Italy, Japan, Luxembourg, the Netherlands, Portugal, the Republic of Ireland, Spain, Sweden, Switzerland, the UK and the USA.

RESEARCH GRANTS AND LONG-TERM FELLOWSHIPS: APPLICATION DEADLINE IS 1 SEPTEMBER 1996
(awards to be announced in April 1997)

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FACULTY POSITION—Computational Structural Biologist

The newly formed Center for Structural Biology at the University of Michigan, Ann Arbor invites applications for a tenure- track ASSISTANT PROFESSOR faculty position through the Department of Biochemistry and the Center for Computational Sciences. The successful applicant is expected to develop an extramurally funded research program in the area of computational structural biology that complements programs within the department and will participate in departmental teaching. This individual will be a part of a structural group consisting of x-ray crystallographers, an NMR spectroscopist, and a computational structural biologist. Please send curriculum vitae, including research and teaching interests, and three letters of recommendation to: Search Committee, Department of Biochemistry, University of Kentucky, 800 Rose Street, MS 607, Lexington, KY 40586-0084. An Affirmative Action/Equal Opportunity Employer.

Tenure-track ASSISTANT PROFESSORSHIP in Animal Physiology. Teaching responsibilities include physiology and pathology. A candidate must have an M.D., Ph.D. and be innovative and effective teachers at the Bachelor’s and Master’s levels. Developing research program expected. Experience available for teaching and small-animal work. By April 26, 1996, submit curriculum vitae, official college transcripts, descriptions of teaching philosophy and research plans, letters of recommendation to: Professor R. Gerard Albright, Chair, Department of Biology, University of Detroit Mercy, P.O. Box 19900, Detroit, MI 48219-0900. Equal Opportunity/Affirmative Action Employer.

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

East Carolina University School of Medicine

Faculty position available at the ASSISTANT or ASSOCIATE PROFESSOR levels in the areas of molecular biology, biochemistry, and immunology. Position will be commensurate with qualifications. Successful candidates will develop an extramurally funded research program. Send curriculum vitae to: Charles S. Ho, Chair, Department of Microbiology and Immunology, School of Medicine, East Carolina University, Greenville, NC 27858-4354.

East Carolina University is an Equal Opportunity/Affirmative Action University. Accommodates individuals with disabilities. Applicants must comply with the Immigration Reform and Control Act.

PROFESSOR AND DEPARTMENT HEAD

The Department of Plant Pathology, College of Agriculture and Life Sciences, The University of Georgia, invites nominations and applications for the position of PROFESSOR AND HEAD. The department consists of 32 faculty, 46 staff, 25 graduate students, and 40 undergraduate majors. The teaching, research, and extension programs are comprehensive and cover a wide range of crops and diseases. The top rank will involve a phased retirement policy for the leadership of teaching and administration of all teaching, research, and extension activities, including program planning and evaluation, faculty and staff recruitment and development, and budget preparation. The successful candidate will be expected to have demonstrated administrative experience in major laboratories and/or departments and to have a strong record of extramural and other self-supporting activities. The department provides a wide range of research and teaching opportunities and is well equipped with modern, state-of-the-art laboratories and facilities. This is a major research university with an active and successful extension program. The University of Georgia is an Equal Opportunity/Affirmative Action Employer.

CELL BIOLOGIST/MICROBIOLOGIST

One year ASSISTANT PROFESSOR appointment beginning August 1996. Ph.D. required. The successful candidate will teach courses in cell biology and microbiology (with labs) plus one non-major course of her or his choosing that is compatible with our curriculum, and will supervise senior research. Whitman College has a strong commitment to excellence in undergraduate teaching, research, and student advising. Send curriculum vitae, three letters of recommendation, and a statement of teaching and research interests to: Professor Earl Fleck, Department of Biology, Whitman College, WallaWalla, WA 99362. Telephone: 509-527-5135 or 509-527-5225; FAX: 509-527-5904; Email: fleck@whitman.edu. Closing date: 7 May 1996. Equal Opportunity Employer.

CHAIR IN BASIC CANCER RESEARCH

Tulane University Medical Center and the Tulane Cancer Center seek an outstanding basic scientist with an active research focus in cancer research to fill the Marguerite Main Zimmerman Chair in Basic Cancer Research. The successful candidate will also be the ASSOCIATE DIRECTOR for Basic Research of the Tulane Cancer Center and will play a major role in shaping the Cancer Center’s program, identifying and recruiting junior faculty with the chairpersons of the basic science departments, and allocating resources and space within the Cancer Center. The appointed chairperson and the cancer center director will be a member of the Cancer Center’s administrative and faculty development teams. Interested candidates should forward their curriculum vitae and letter of application to: Roy S. Weiner, M.D., Director, Tulane Cancer Center, 1450 Tulane Avenue, SL-68, New Orleans, LA 70112. Affirmative Action/Equal Opportunity Employer.
TENURE-TRACK FACULTY POSITION
George Washington University
School of Medicine

Tenure-track opening for a molecular biologist in the Department of Biochemistry and Molecular Biology at the George Washington University School of Medicine. We are seeking to fill the position at the level of either ASSISTANT or ASSOCIATE PROFESSOR. The successful candidate will have an outstanding record in applying molecular techniques to any one or more of the areas of research emphasis at GWU, including molecular and cellular oncology, neuroscience, and virology and immunology. The candidate must also exhibit the aptitude to teach both basic and advanced molecular biology to graduate students and medical students. Send curriculum vitae and letter of application to: Dr. Gary Fiskum, Faculty Search, The George Washington University School of Medicine and Health Sciences, Department of Biology and Molecular Biology, 2300 Eye Street, N.W., Washington, DC 20037. Review of applications will begin April 19, 1996 and continue until the position is filled. The George Washington University is an Equal Opportunity/Affirmative Action Employer.

VISITING ASSISTANT/ASSOCIATE PROFESSOR IN BIOLOGY

Applications are invited for a one-year visiting ASSISTANT-ASSOCIATE PROFESSOR position in biology, in the Division of Science at the College of Liberal Arts, beginning August 1996. The successful candidate will have a Ph.D. in biology, demonstrate excellence in college and/or university teaching, and be responsible for undergraduate student advising and supervision. She or he will be involved in teaching genetics, molecular genetics, virology, and toxicology. Teaching will be mostly at the undergraduate level. Salary will be commensurate with experience.

Send curriculum vitae and three letters of reference to: Dr. James Kumi-Diaka, Search Committee Chair, College of Liberal Arts and Sciences, 2912 College Avenue, Dave, FL 33134. FAX: 305-236-1150. Closing Date: May 31, 1996. Florida Atlantic University is an Equal Employment Opportunity/Affirmative Action Employer.

VISITING ASSISTANT PROFESSOR
UNION COLLEGE
Department of Biology

The Biology Department of Union College invites applications for a two-year sabbatical replacement position as a VISITING ASSISTANT PROFESSOR to begin in Fall 1996. We are seeking a molecular biologist to teach laboratory sections of introductory courses in cell/molecular biology and genetics, and to develop course material for undergraduate research. The successful candidate will have Ph.D. and a strong commitment to undergraduate education. A letter of application preferred. Send a letter of application, curriculum vitae, and names of three referees to: Dr. J. Kumi-Diaka, Search Committee Chair, Union College, Schenectady, NY 12308. Union College is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

TWO POSTDOCTORAL FELLOWSHIP/RESEARCH ASSOCIATE POSITIONS

To investigate regulation of the nitric oxide guanylyl cyclase signaling pathway. One position is for a NEURO-SCIENTIST or molecular biologist with an interest in anesthesia and analgesia in the central nervous system. Neur-opharmacology, neurobiochemistry, autoradiography, and molecular biology experience is desirable. The second position will investigate MOLECULAR REGULATION of lung/vascular nitric oxide synthase and soluble guanylyl cyclase expression. A significant molecular biology background is essential. Experience in cell culture, toxicology, and extramural research opportunities is required. Send curriculum vitae and three references to: Roger A. Johns, M.D., University of Virginia Health Sciences Center, Box 238, Charlottesville, VA 22908 U.S.A. The University of Virginia is an Equal Opportunity Employer.

POSTDOCTORAL POSITION

Postdoctoral position is available for gene therapy and nucleic acid based therapeutics for skin diseases and connective tissue diseases. Genes involved in human genetic diseases and inflammation will be among the targets. Candidates must have a strong background in molecular biology and biochemistry. Experience and expertise in transduction, preclinical and clinical investigator, and mammalian cell culture, and transfection is preferred (Yoon et al., Proc. Natl. Acad. Sci., 93, 2071-2076, 1996). Send or FAX curriculum vitae and a letter describing experience to: Yoon, Department of Dermatology and Cutaneous Bi- ology, Thomas Jefferson University, 233 South 10th Street, Philadelphia, PA 19107. Telephone: 215-955-5434; FAX: 215-955-5788.

A POSTDOCTORAL training position at Boston University School of Medicine is available to a qualified individual to conduct neurobiological research. U.S. citi- zens or permanent residents only. Only candidates with strong background in biochemistry, cell biology, and molecular biology, including eukaryotic expression systems, will be considered. Please send curriculum vitae and three refer- ence letters to: Dr. Carmela A. Abrahams, K, 5, East Concord Street, Boston, MA 02118. FAX: 617-638-5226. Email: cabrahams@acs.edu.

ASSISTANT PROFESSOR OF BIOLOGY

TENURE-TRACK starting August 15, 1996. Undergraduate, general, and cellular biology, with molecular genetics and biochemistry experience preferred. Send curriculum vitae and letter of application to: Chair, Biological Anthropology Search Committee, Department of Biology and Anthropology, Kent State University, P.O. Box 5190, Kent, OH 44242-0001. Equal Opportunity Employer.

Assistant Professor of Biology

Department of Biological Anthropology
Kent State University

Kent State University seeks a biological anthropologist or biologist for a tenure-track position at the ASSISTANT PROFESSOR level, beginning fall 1996. The position includes instruction in an M.A. program in anthropology as well as a Ph.D. program in biological sciences. Commitment to fundable research imperative. Subdiscipline open, but preference given to those most likely to contribute to our strengths in paleoanthropology and primatology. Send curriculum vitae and letter of application to: Chair, Biological Anthropology Search Committee, Department of Biological Anthropology, Kent State University, P.O. Box 5190, Kent, OH 44242-0001. Equal Opportunity Employer/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL RESEARCH POSITIONS

Beginning in the spring/early summer of 1996, two newly funded POSTDOCTORAL RESEARCH positions will be available in the Laboratory of Cellular and Molecular Cerebral Ischemia. Research focuses on the mechanisms of cerebral ischemia and reperfusion tolerance. Current in vivo and in vitro investigations examine the role of peptide growth factors, signal transduction pathways, metabolic guttamate receptors, cellular metabolism, and gene regulation on neuronal survival. Applicants must have a Ph.D. or M.D. with expertise in cellular and/or molecular biology. Salary will be consistent with NIH guidelines. Please send curriculum vitae, a summary of research interests, and three references to: Kenneth Malese, M.D., Department of Neurology, 615- 1121 West University Ave., room 749, University of Michigan Medical Center, 4201 S. Antoine, Detroit, MI 48201. Email: kmaise@ccs.umich.edu; WWW: http://www. phymac.med.wayne.edu/departments/neurology/ malese/homepage.html. Wayne State University is an Equal Opportunity/Affirmative Action Employer.

RESEARCH POSITION, faculty appointment—

The Department of Cardiorthoracic Surgery is pleased to announce the availability of a research position in the Division of Cardiovascula and Cardiovascular Surgery at the University of Massachusetts Medical School and the Baystate Medical Center. This is a new faculty position in our Surgical Research Laboratory. Responsibilities include managing ongoing investigations into the sequelae of long-term cardiopulmonary bypass as well as being responsible for the day-to-day operation of the lab and supervising a staff of four. In addition, you will supervise the design and analysis of experiments and collaborate on the preparation of reports and publications. Qualifications: a degree in neurophysiology or an allied field with three to ten years of laboratory experience in mammalian neurophysiology and communication. Experience in mammalian research and extramural research opportunities is required. Interested candidates should submit their curriculum vitae and references to: Dr. Randall Griep, The Mount Sinai Hospital, Box 1028, One Gustave L. Levy Place, New York, NY 10029-6574. Equal Opportunity Employer.

Postdoctoral position is available for gene therapy and nucleic acid based therapeutics for skin diseases and connective tissue diseases. Genes involved in human genetic diseases and inflammation will be among the targets. Candidates must have a strong background in molecular biology and biochemistry. Experience and expertise in transduction, preclinical and clinical investigator, and mammalian cell culture, and transfection is preferred (Yoon et al., Proc. Natl. Acad. Sci., 93, 2071-2076, 1996). Send or FAX curriculum vitae and a letter describing experience to: Yoon, Department of Dermatology and Cutaneous Biology, Thomas Jefferson University, 233 South 10th Street, Philadelphia, PA 19107. Telephone: 215-955-5434; FAX: 215-955-5788.

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Versicor Inc. is devoted to the integration of combinatorial technologies, contemporary medicinal chemistry, biochemistry and screening, for the purposes of drug discovery. As a well-financed, technology rich enterprise, Versicor is expanding its operations by founding a new laboratory in the San Francisco Bay area.

In addition to developing combinatorial technology tools and novel small molecule chemical libraries, Versicor will develop new screening methodologies and maintain proprietary high throughput screening systems for collaborations with pharmaceutical and biotechnology companies. The company will also apply the above proprietary technologies internally in specific therapeutic areas for drug discovery.

We are presently seeking talented scientists at all experience levels in the following areas:

- **Combinatorial and Synthetic Chemistry**
- **Medicinal Chemistry**
- **Biochemistry / Enzymology**
- **Microbiology / Molecular Biology**
- **Analytical Chemistry and Instrumentation**
- **Assay Development and High Throughput Screening**
- **Computation and Information Scientists**

We offer an exceptionally creative scientific environment with excellent compensation and benefits, along with the opportunity to enhance your career in a growing company. Please forward your CV with cover letter to: Dr. Eric M. Gordon, Versicor Inc., 555 Bryant Street #249, Palo Alto, CA 94301. An equal opportunity employer.

VERSICOR
Biomolecular NMR Spectroscopist

Merck Research Laboratories in Rahway, New Jersey, a world leader in biological and pharmaceutical research, is seeking outstanding candidates for a position as a Biomolecular NMR Spectroscopist in the Department of Biochemistry. The successful candidate will participate in the macromolecular-structure determination programs of the Biochemistry Department. The scientist will be involved in the collection and analysis of 600 MHz NMR data in order to determine protein structures and characterize protein-ligand interactions with the goal of obtaining information relevant to drug design. Duties will include the assignment of protein NMR spectra, the determination of protein structure from NMR data and computational methods, and the evaluation of bound ligand conformation and interactions.

A Ph.D. in chemistry, biochemistry, or a related field and 2-3 years of post-doctoral experience are required. Experience in modern 2D, 3D and 4D heteronuclear NMR as applied to macromolecular-structure determination is essential. Familiarity with the expression, isotopic labeling and purification of proteins is desirable.

The Biomolecular NMR Group has a state-of-the-art facility, with two Varian 600 MHz NMR spectrometers. Computational facilities that are available include a Cray Y-MP, a Cray J90, an IBM SP2 and a compute-farm of IBM RS/6000’s.

Merck Research Laboratories are located in Rahway, New Jersey, approximately 25 miles from New York City. Our salaries, benefits and growth potential are excellent. For consideration, send your resume, with the names of three references, to Merck Research Laboratories, Human Resources, AD #184, P.O. Box 2000, RY80A-3, Rahway, NJ 07065. EOE/AAJH/EMP.

Biomedical NMR Spectroscopist

The Hospital for Sick Children, a health care, teaching and research centre dedicated exclusively to children; affiliated with the University of Toronto, currently has opportunities in their Epilepsy Research Program and Division of Neurology for experienced Staff Scientists. These positions call for a relevant Ph.D. and the ability to effectively participate in both clinical and basic neuroscience research.

Staff Scientist - Neurophysiology

You have extensive training in neurophysiology enhanced by postdoctoral training in cellular/synaptic neurobiology with a focus on signal transmission at synapses and/or the control of neuronal excitability as they relate to the process of epileptogenesis.

Staff Scientist - Molecular Neurobiology

Your in-depth training in molecular and cellular neurobiology is complemented by postdoctoral training in cell-fate and cell-cell interactions as they relate to the process of epileptogenesis.

Successful candidates will be expected to apply for cross-appointment at the University of Toronto at a similar level. We invite qualified individuals to submit their curriculum vitae by June 1, 1996, to: O. Carter Snaed III, M.D., Head, Division of Neurology, The Hospital for Sick Children, 555 University Avenue, Toronto, Ontario M5G 1X8, Canada. In accordance with its Employment Equity Policy, the University of Toronto encourages applications from qualified women and men, members of visible minorities, aboriginal peoples and persons with disabilities. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada.
Discovery Research Opportunities At...

Through challenging research programs and discovery of new pharmaceutical agents, scientists at Pfizer's Central Research Division contribute to the development of medicines that bear the mark of innovation. We are committed to finding and developing breakthrough pharmaceutical inventions for major unmet medical needs. Our Fortune 100 company's current array of new products is one of the most exciting in the industry.

Ph.D. Scientists

Allergy/Respiratory - As part of our multidisciplinary team of investigators, you will work in the field of cytokine signal transduction in the discovery of novel agents for the treatment of allergic and respiratory diseases including asthma and allergic rhinitis. Successful candidates will have a demonstrated record of independent and creative research in biochemical pharmacology of cytokine signal transduction. Job Code 1088

Human Genetics - The ideal candidate will establish a laboratory capable of developing genotyping assays to support early and late stage clinical development programs; establish in-house genetics database, and participate in design of clinical studies involving genotyping protocols. Ideally, postdoc will be in human genetics. Job Code 1092

Bioinformatics - This opportunity involves computational sequence analysis methods for database searching, gene protein structure prediction, and pattern discrimination. Programming in a UNIX/Mac environment is requisite. Job Code 1093

Computational Chemistry - The independent, creative candidates we seek will work directly with our synthetic chemists discovery efforts in combinatorial chemistry, pharmacophore development, lead optimization and structure assisted drug design. We prefer strong background in statistical mechanics and experience with the Sybyl programming language in a UNIX environment. Job Code 1094

Ph.D. Scientists must have degree in area identified, plus 2-3 years relevant postdoctoral experience. Must have proven oral and written communication and interpersonal skills.

BS/MS Scientists

Cardiovascular Diseases - We seek a highly motivated individual to evaluate the efficacy and pharmacological profile of novel cardiovascular therapies. The candidate must be knowledgeable in cardiovascular physiology and biophysics to conduct complex experiments in large and small animal models of cardiovascular disease and to interpret their results. Laboratory research experience is required in acute and chronic surgical preparation of in vivo models, in measurement of cardiovascular function and blood flow, and in data analyses using computer systems. Familiarity with myocardial ischemia and reperfusion injury is important; skills in histopathology techniques and in the measurements of blood chemistry and neurohormones are desirable. Candidates must be able to work well independently as well as in a team environment and have good communication skills, both written and oral. BS or MS (preferred) in Physiology, Pharmacology or related Biological fields with two years of laboratory research experience is required. Job Code 1086

Medicinal Chemistry - We have a number of opportunities available for knowledgeable scientists with experience in synthetic organic chemistry and strong theoretical and laboratory background. These positions require a BS or MS in a relevant field, and effective oral and written communication skills. Job Code 1087

Postdoctoral Fellowships

**Molecular Biology**

We are seeking two postdoctoral research scientists to each guide a 3-year independent research study. Selected candidates will spend 18 months at Pfizer's Central Research Division's state-of-the-art research facility in Groton and then 18 months at a co-sponsoring university. These unique positions will emphasize publication, individual scientific development, and an opportunity to learn about the drug discovery process.

**Molecular Control of Cardiomyocyte Proliferation** - As a postdoctoral fellow in the laboratories of Scott P. Kennedy, Ph.D. at Pfizer Central Research and Kenneth Walsh, Ph.D. at St. Elizabeth's Medical Center and Tufts University School of Medicine, you will be working toward understanding cardiomyocyte proliferation and terminal differentiation with the eventual aim of suggesting novel therapeutic strategies for regenerating damaged myocardium. Experience in cell-cycle control, cardiomyocyte culture or in vivo gene delivery approaches, as well as an interest in the drug discovery process are preferred. Job Code 1089

**Functional Characterization of Novel TNF Receptor Family Members** - As a postdoctoral fellow in the laboratories of John Hambor, Ph.D. at Pfizer Central Research and Randy Noelle, Ph.D. at Dartmouth Medical School, you will be working on signal transduction/gene regulation pathways that are relevant to human disease. The successful candidate will have experience in protein purification, cloning techniques, and yeast two-hybrid technology. A Ph.D. in Biochemistry and a strong interest in unraveling signaling pathways as well as a desire to learn about the drug discovery process are required. Job Code 1090

Pfizer Scientists have the opportunity to interact with members of the world's finest corporate scientific and academic communities, enjoy a competitive salary, medical/dental coverage and the many lifestyle advantages of our southeastern Connecticut location. Relocation assistance is available. For confidential consideration, please send your curriculum vitae for electronic scanning (i.e., eliminate italics, bullets, bolds, underlines and staples), indicating Job Code to: Employee Resources, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340. An Equal Opportunity Employer M/F/D/V

We're part of the cure.
Endowed Research Chair for Cancer Molecular Biology

SOUTHERN RESEARCH INSTITUTE, a diversified contract research organization, is seeking to fill an endowed research chair, funded with $1 million, to expand the Institute’s efforts in the field of cancer molecular biology. Southern is particularly interested in the development of antitumor drugs and invites applications from molecular biologists who specialize in oncology and/or pharmacology.

THE SUCCESSFUL CANDIDATE will have the opportunity to interact with other Southern scientists in experimental therapeutics, toxicology, pharmacology, cell biology and immunology. Current areas of interest include gene therapy, cancer therapeutics, carcinogenesis, and chemoprevention. Pertinent fields of work include gene therapy, oncogenes, tumor suppressor genes and transgenic animals in carcinogenesis and/or chemoprevention. Applicants should have competence in securing outside funding.

SOUTHERN RESEARCH INSTITUTE offers a multidisciplinary working environment, generous benefits, modern equipment and facilities, and an extensive technical library. In addition, the endowed position provides opportunities for extensive interaction with clinical and academic personnel at the University of Alabama at Birmingham (UAB).

INTERESTED CANDIDATES should send curriculum vitae to Dr. Donald L. Hill, Search Committee Chairman, at the address below.

Southern Research Institute

2000 Ninth Avenue South
P.O. Box 55305
Birmingham, Alabama 35255-5305
(205) 581-2463

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**SIGNAL AHEAD**

Signal Pharmaceuticals, Inc. is at the forefront of scientific advances in intracellular signaling and transcription factor biology. Our focus is on the discovery of small molecule drugs that regulate transcription factors and production of disease-associated proteins. We have a strong research program focused on the cloning and characterization of novel factors involved in signal transduction, in particular MAP kinase cascades. We are seeking highly motivated candidates with excellent interpersonal skills for the following positions:

**Bone Diseases/Osteoporosis**
- **PhD in molecular biology, pharmacology, or related field**
- **Experience in drug discovery**
- **Responsibility for the development of new drug candidates**

**Drug discovery & Pharmacology**
- **PhD in biology, chemistry, or related field**
- **Experience in drug discovery and development**
- **Responsibility for the development of new drug candidates**

**McDonald-Dentistry Registration**
- **PhD in molecular biology, pharmacology, or related field**
- **Experience in drug discovery and development**
- **Responsibility for the development of new drug candidates**

**Clinical Disease Pharmacology**
- **PhD in molecular biology, pharmacology, or related field**
- **Experience in drug discovery and development**
- **Responsibility for the development of new drug candidates**

**Natural Products**
- **PhD in molecular biology, pharmacology, or related field**
- **Experience in drug discovery and development**
- **Responsibility for the development of new drug candidates**

**Signaling & Pharmacology**
- **PhD in molecular biology, pharmacology, or related field**
- **Experience in drug discovery and development**
- **Responsibility for the development of new drug candidates**

**Tenure-Track Position**

**National Institute of Environmental Health Sciences**

**Cell Cycle Regulation and Molecular Carcinogenesis**

A position is available in the Laboratory of Environmental Carcinogenesis and Mutagenesis for an outstanding scientist to develop an independent program of basic research in the area of cell cycle control alterations during the process of carcinogenesis. Applications are invited from candidates with a strong research record in molecular cell cycle control and carcinogenesis as demonstrated by having significant impact in the field. Priority will be to applicants whose expertise includes genetic and molecular approaches to investigate the impact on cell cycle regulation in mammalian cells of exposure to environmental carcinogens. Minimum qualifications are a doctoral degree in the biomedical sciences, a minimum of three years postdoctoral experience and research publications in prestigious peer-reviewed journals. Desirable additional qualifications include demonstrated expertise in the following areas: The cell biology of neoplastic transformation; molecular consequence of proto-oncogene activation on cell cycle regulation; inactivation of tumor suppressor genes; cell cycle checkpoint mechanisms and genetic alterations of cell cycle control that predispose to cancer.

The position is available to citizens or permanent residents of the United States. Salary will be commensurate with experience and qualifications of the candidate. Applications from women and minority groups are particularly welcome. Interested individuals should provide a curriculum vitae with bibliography, a brief statement of research interests, and arrange for three letters of recommendation to be sent by June 15, 1996.

**Lisa Rogers (HN996-7), Human Resource Management Branch, National Institute of Environmental Health Sciences, PO Box 12233, Research Triangle Park, NC 27709 (919) 541-3316**

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**Symposium**

**Advances in the Biology of the Skin: Pharmacology & Toxicology!**

**Toxicology**
- Pharmacology
- Disease Models
- Natural Products
- Clinical Perspectives
- New Drug Development
- Percutaneous Absorption
- Inflammation & Wound Healing

A three and one-half day symposium on the campus of Rutgers University, June 24-27, 1996. Sponsored by The Environmental and Occupational Health Sciences Institute (EOHSI) at the University of Medicine and Dentistry of New Jersey- Robert Wood Johnson Medical School and Rutgers University. For information: Diane E. Heck, Ph.D. or Jeffrey D. Laskin, Ph.D., EOHSI, 681 Frelinghuysen Rd, Piscataway, NJ 08855 (908) 445-0219, FAX (908) 445-0119 or Howard Malbakh M.D., UCSF (415) 673-3533, FAX (415) 673-9693. Registration and abstract forms: (908) 235-5062.

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**Institute for Genetic Medicine**

University of Southern California
Assistant or Associate Professor

The Institute for Genetic Medicine and the Department of Surgery are seeking candidates with special research interests in molecular biology and genetics as they relate to human disease. The successful candidate will have a joint appointment in the Department of Surgery and in an appropriate basic science department of the School of Medicine. Candidates with a wide range of interests will be considered, including research activities involving development of models for human genetic disease, homologous recombination in embryonic stem cells, development of gene transfer vehicles including retroviruses and genetically engineered cells, the molecular genetics and biology of stem cells and cytokines, and the molecular genetics of human disease. Clinically based research could be an important component of the program. The faculty appointee must have a Ph.D. or M.D. degree and will be expected to interact with surgical faculty and fellows in addition to developing an independent research program and participating in both medical and graduate student teaching programs. Faculty members will be housed within newly remodeled space in the Institute for Genetic Medicine/Norris Comprehensive Cancer Center Gene Therapy Program. Candidates eligible for an associate professorial appointment should demonstrate evidence of extramurally funded and sustained research programs.

The University of Southern California and its Medical School have made a major commitment to building a program in gene therapy and genetic medicine. The faculty members will play a major role in defining the future expansion of the Institute for Genetic Medicine.

Candidates should send their curriculum vitae, bibliography, a statement of research and teaching interests and the names, addresses, fax numbers and e-mail addresses of three references to Lawrence H. Kedes, M.D., Director, Institute for Genetic Medicine, University of Southern California, 2011 Zonal Avenue, HMR #413, Los Angeles, CA 90033

_The University of Southern California is an equal opportunity affirmative action employer._
Wanted: Committed, ambitious scientist. Must be a team player with a vision for the future. M.D./Ph.D., Ph.D., M.S. or B.S. degree necessary.

Does this describe you?
If it does, then plan to attend the bioSCIENCE Career Fairs sponsored by SCIENCE. The bioSCIENCE Career Fairs offer the perfect opportunity for scientific professionals to meet in person with representatives from top biotechnology and pharmaceutical companies, universities, governmental agencies and institutions.

EDITORIAL SEMINAR: On the first day of the event from 11:00 - 11:30, a SCIENCE editor will conduct a seminar on "How to get a research paper published in SCIENCE."

1996 bioSCIENCE Career Fairs
May 3: 11am - 4pm; May 3 Seminar: 11 - 11:30am.
May 4: 12 noon - 4pm.

Just added! Careers in Biomedical Research: Join leaders from both industry and academia for a panel discussion sponsored by the Biomedical Association of Stanford Students on May 3, 12 - 1:30 p.m. at the Fairchild Auditorium. The panel discussion focuses on careers in biomedical research.

La Jolla, CA at The Scripps Research Institute, October 4-5.

For more information please call (202) 326-7018.

bioSCIENCE Career Fair Information On-line: http://www.aaas.org
(Choose SCIENCE Classified Advertising from the menu)
POSTDOCTORAL THROUGH ASSISTANT PROFESSOR

Position available at the POSTDOCTORAL through ASSISTANT PROFESSOR level for an individual with interests in the areas of neural development and of early alterations in the colonic mucosa of animals and patients with genetically or environmentally (diet) initiated colon cancer. We are especially interested in individuals skilled in one or more of the following areas: neurotransmitters, cytokines, and/or molecular alterations in early lesions such as aberrant crypt foci. Applicants must have experience in immunology and/or cell biology and be able to design and implement experiments. Applicants should send their curriculum vitae, a statement of interests, and three letters of recommendation to: Dr. J. Ahn, Department of Neurobiology, University of Washington, Box 357620, Seattle, WA 98195.

POSTDOCTORAL POSITIONS

Funding is available immediately for postdoctoral fellows to study the cellular and molecular basis of somatosensory and auditory systems. Applicants should have a strong background in cellular and molecular biology, and experience in brain slice techniques. Interested applicants should send their curriculum vitae to: Dr. E. W. Jones, Department of Neurobiology, University of California, San Francisco, CA 94143.

POSTDOCTORAL POSITIONS

Execution of a project on the role of utah and superoxide dismutase in the induction of alkaline phosphatase in the liver. Send your curriculum vitae to: Dr. J. G. Ahn, Department of Neurobiology, University of Washington, Box 357620, Seattle, WA 98195.

POSTDOCTORAL POSITION

Position available at the postdoctoral level for an individual with experience in the areas of neuroendocrine regulation and the role of cytokines in the immune system. Applicants should have a strong background in cellular and molecular biology, and experience in brain slice techniques. Interested applicants should send their curriculum vitae to: Dr. J. G. Ahn, Department of Neurobiology, University of Washington, Box 357620, Seattle, WA 98195.

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ASSISTANT PROFESSOR

SOIL MORPHOLOGY AND LAND USE

Tenure-track, academic-year position in the Department of Natural Resources Science beginning Fall, 1996. Position is approximately 60% teaching and 40% research. Teaching responsibilities include two undergraduate courses—soil morphology and mapping, and soil interpretation for land use—and a graduate course related to the applicant's area of expertise. Research will focus on the relationship between soil morphology and suitability for various land uses, with special emphasis on water quality and wetland issues.

Ph.D. in soil science or closely related field required. Expertise in soil morphology, interpretation, and mapping required. Experience with glacial geology, hydric soils, and soil suitability for waste disposal preferred. Successful applicant is required to demonstrate the ability to develop a high-quality, fundable, research program that focuses on the relationship between soil morphology and land use management. Teaching experience required.

Submit a letter of application, including a statement of research and teaching interests, plus curriculum vitae, official transcripts, and three letters of reference by 5/10/96 to: Arthur J. Gold, Search Committees Chair, Leg 4 191151 University of Rhode Island, P.O. Box G, Kingston, RI 02881. The University of Rhode Island is an AA/VEEO employer and is committed to increasing the diversity of its faculty, staff, and students. People from under-represented groups are encouraged to apply.

Faculty Positions

Biochemistry and Molecular Biology

Applications are invited for research-track faculty positions in the Department of Dermatology. Selected applicants would join a 50-member multidisciplinary research environment to study molecular mechanisms of skin repair. Candidates should have documented expertise in state-of-the-art approaches to the study of gene regulation and/or signal transduction. Applicants should possess a Ph.D. (or M.D.) degree, at least 3 years of postdoctoral experience, demonstrated research excellence, and strong written and oral communication skills. Selected applicants will be expected to conduct primary and collaborative research projects in a variety of areas, including:

* Transcriptional mechanisms of ultraviolet damage and skin cancer
* Functions of nuclear receptor superfamily members
* Retinoid and vitamin D-mediated gene regulation

Please send curriculum vitae, a one-page summary of research interests, three representative reprints, and the names and addresses of three references to: John J. Voorhees, M.D., Professor and Chair, Department of Dermatology, University of Michigan, 1301 E. Catherine, Kresge I, R6558, Ann Arbor, Michigan 48109-0528. FAX: 313-747-0076; Email: cmhill@umich.edu.

The University of Michigan is a non-discriminatory, Affirmative Action employer and encourages minorities and women to apply.

Director, Great Lakes Environmental Research Laboratory
Office of Oceanic and Atmospheric Research
(A Senior Executive Service Position in the Federal Government)

Department of Commerce
National Oceanic and Atmospheric Administration (NOAA)
Director, Great Lakes Environmental Research Laboratory
Ann Arbor, Michigan
$101,682 - 123,100 annually

The candidate selected for this position will be responsible for the direction and administration of the Great Lakes Environmental Research Laboratory (GLERL), Environmental Research Laboratories (ERL), Office of Oceanic and Atmospheric Research (OAR).

Mandatory Professional/Technical Qualification Requirements:

* Broad understanding of the theory and current state-of-the-art in at least three (3) of the following disciplines including limnology, oceanography, hydrology, ecology, geochemistry, geology, and/or mathematics to be able to design, direct, and evaluate theoretical and experimental aquatic environmental research studies of complex scientific issues.
* High-level competence in the environmental sciences sufficient to perceive complex research problems in broad perspective, to coach and infuse new ideas/approaches, and to participate meaningfully in discussion and evaluation of program areas in aquatic environmental research.
* Ability to provide scientific, technical and organizational leadership disciplines that make up the Laboratory.
* Ability to perform senior-level research with particular emphasis on environmental sciences, and to publish significant research findings in refereed literature.

Please contact (301) 713-9534/(301) 713-0973 (TDD) for an announcement package, including mailing instructions. Refer to announcement number NOAA96-06. This vacancy closes on June 17.

NOAA Values a Diverse Workforce and is an Equal Opportunity Employer

RADIATION EFFECTS RESEARCH FOUNDATION
HIROSHIMA, JAPAN

Chief of Research

The U.S. National Academy of Sciences (NAS) is seeking a Resident Director/Chief of Research for the Radiation Effects Research Foundation (RERF) in Hiroshima, Japan. RERF is a private foundation in Japan, with over 335 employees working in laboratories in Hiroshima and Nagasaki. NAS provides management and scientific oversight services to RERF for the U.S. Government. The Foundation is equally funded by the Government of Japan, through the Ministry of Health and Welfare, and by the U.S. Government, through the Department of Energy (DoE). RERF is also equally managed on-site by citizens of the two countries. The Chief of Research is responsible for the scientific programs and research activities conducted at RERF on the long-term follow-up of late health effects among the survivors of the atomic bombs, and assists in the day-to-day management of the Foundation with three other Directors, all of whom live in Japan. Qualified candidates must be U.S. citizens, have an M.D. or Ph.D. with extensive experience in basic research (genetics, molecular biology, cellular biology, immunology, etc.) and management of complex, multi-disciplinary research programs. U.S. Resident Directors are employees of the United States National Academy of Sciences and RERF. Salaries are commensurate with qualifications and are supplemented by relocation, housing, and cost-of-living benefits. Terms of office of Directors are for four years with a maximum of two terms (eight years). Typical NAS appointments are for two years with extensions of additional two year appointments, up to the eight year, if warranted. Please send your resume and the names and addresses of at least three references to: Dr. Zimbwich, Board on Radiation Effects Research, (NAS 342-JZ), National Academy of Sciences, 2101 Constitution Avenue, NW, Washington, D.C. 20418. (FAX: 202-334-1639; e-mail: zimbwich@nas.edu) The review of applications will begin on April 15, 1996 and continue until the position is filled. EOE
Associate Research Scientist

You will assist in the design and execution of in vitro drug metabolism studies in the support of drug development, under the supervision of a Sr. Research Scientist. You will be required to study the metabolism of drugs in various mammalian species, with emphasis on in vitro experiments designed to predict the metabolism of drugs in man. Responsibilities include: preparation and characterization of liver subcellular fractions from various mammalian species, preparation of liver slices, and development and utilization of biochemical methods for monitoring and identifying metabolites. Additional responsibilities include data analysis and preparation of tables and graphs for reports.

You must possess a BS degree with 2 or more years of experience or an MS degree with minimal experience in biology, biochemistry, or related area and experience in in vitro drug metabolism. Demonstrated skills in the preparation of subcellular fractions (microsomal and cytosolic) and in vitro enzyme assays required. Expertise in liver slice methodology is essential. A working knowledge of analytical techniques [HPLC, spectroscopy, gel electrophoresis] and tissue culture experience are desired. Excellent oral and written skills are required.

Associate Research Scientist

You will assist in the analysis of drug/metabolites in biological fluids, and conduct both in vitro and in vivo pharmacokinetic studies in support of drug discovery and development under the supervision of a Sr. Research Scientist. You will also be responsible for animal handling/dosing and sampling of biological fluids in animal pharmacokinetic studies. Surgical skills related to pharmacokinetic studies (tissue dissection, anesthetics, etc.) must be excellent. Computer skills in data analysis will also be required. Additional responsibilities include troubleshooting of instrumental problems and preparation of tables and graphs for reports.

You must possess a BS degree with two or more years of experience or an MS degree with minimal experience in chemistry, biology, biochemistry, or related area and industrial experience in pharmacokinetics. Experience in the conduct of pharmacokinetic studies preferred. Working knowledge of analytical techniques [HPLC/GC] relevant to pharmacokinetic studies is essential. Demonstrated skills in handling/dosing/sampling of lab animals and animal surgical techniques are essential. Data analysis ability using a computer is required. Problem solving skills and the ability to work with minimal supervision are desired.

Associate Research Scientist

You will assist in the analysis of drugs/metabolites in biological fluids and tissues and conduct in vivo pharmacokinetics, tissue distribution and mass balance studies in support of drug discovery and development under the supervision of a Sr. Scientist. You will also be responsible for animal handling, dosing, surgery (e.g. catheterization) dissection and sampling of biological fluids and tissues. Extensive experience in handling radiosotopes and radiolabelled compounds is essential. Computer skills in data analysis and report writing will be required. Additional responsibilities will include utilization and maintenance of analytical equipment and preparation of tables and graphs for reports.

You must possess a BS degree with 2 or more years of proven experience or an MS degree with minimal experience in pharmacokinetics. Experience in the conduct of pharmacokinetics, mass balance and tissue distribution studies preferred. Proficiency in small animal handling, dosing, surgery, and dissections is essential. Demonstrated ability in use of isotopes and radiolabelled compounds (14C, 3H) is essential. Experience in various analytical techniques [HPLC/GC] is desirable. Data analysis skills and computer knowledge are required. Problem solving skills and the ability to work with minimal supervision are desired.

We offer attractive compensation and generous benefits. For immediate consideration, please forward a resume, including salary history, to:

Bayer Corp., Pharmaceutical Division, Dept. ELWD, 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.

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University College Dublin

DEPARTMENT OF ZOOLOGY

One Permanent Post (Ref: 67/96)

Applications are invited for a full-time permanent academic post to commence in September 1996. Preference will be given to candidates who have a relevant PhD degree, post-doctoral and/or teaching experience and who are committed to productive research and excellence in teaching. Research experience in coastal zone ecology would be a distinct advantage. Applications from young researchers will be welcomed.

The appointment will be made at the level of either Assistant Lecturer or College Lecturer.

Closing Date: Not later than 5.00 p.m. on Thursday, 16 May 1996.

Prior to application, further information (including current salary scales) should be obtained from the Personnel Office, University College Dublin, Belfield, Dublin 4, Ireland (quoting above reference number). Telephone enquiries: (+353 1) 706 1645. Fax: (+353 1) 269 2472.

Email: acadrec@irlearn.ucd.ie

UCD is an equal opportunities employer

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The Fourth Research Grant Offer by Mizutani Foundation for Glycoscience


Qualification: An applicant must (a) have a doctor’s degree, (b) have a documented capability of performing independent studies, and (c) be a member of a research institute where he or she can carry out the proposed project.

Grant: As much as ¥1,000,000 per annum for a maximum of two years. The total budget for grants is approximately ¥100,000,000 per annum, but the budget allocated to new research proposals may vary each year. No more than 10% of the grant may be used for indirect costs (overheads), and no part of the grant may be used for stipends of the principal and/or collaborative investigators.

Selection: New applications will be reviewed by members of a committee consisting of specialists appointed by the Board of Trustees of the Foundation for originality, scientific merit and feasibility.

Application Form and Deadline: An application must be typed or printed on an official, current form, an English version of which may be available (after May 1) by sending a letter or fax (no telephone calls) to Dr. Yumiko Kawai, Department of Biochemistry, Meharry Medical College, 1005 David Todd Jr. Blvd., Nashville, TN 37208, USA (Fax: [1] 615-327-6442). A completed application form for a grant to be awarded on April 1, 1997 will be accepted after July 1 and must be received on or before August 31, 1996 at the Tokyo Office of the Foundation shown below:

Mizutani Foundation for Glycoscience: Sen-i Kaikan

Suite 5F, 3-11 Nihonbash-honcho, Chuo-ku, Tokyo 103, Japan (Phone: [81] 3-3246-0224, Fax: [81] 3-3246-1265).
**NEUROSCIENCE**

**THE EJLB FOUNDATION**

**SCHOLAR RESEARCH PROGRAMME**

The EJLB Foundation awards each year up to six (6) grants for research projects in all areas of neuroscience that pertain directly or indirectly to schizophrenia and mental disease. Eligibility for such grants is restricted to young scientists who are pursuing an independent research career and have given evidence of having significant potential. It is also a requirement that these scientists: (i) have earned an MD and/or a Ph.D. degree; (ii) have completed their post-graduate training; and (iii) have been admitted after June 15, 1991 as faculty members of a leading university, or an affiliated non-profit research centre, in Canada or elsewhere in the world. Each grant is of CAN$300,000, is disbursed over three (3) years and is non-renewable. The next closing date for receipt of letters of intent is May 31, 1996. Full details regarding this programme and required letter of intent forms may be obtained from:

The EJLB Foundation
1350 Sherbrooke Street West
Suite 1050
Montréal, Québec
CANADA H3G 1J1.

Fax (For inquiries only 514-843-4080).

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**DEPARTMENT OF BIOCHEMISTRY**

**Research Chair in Cell Death & Survival**

Applications are invited for the Research Chair in Cell Death and Survival based in the Department of Biochemistry, which is very well equipped for molecular cell biology. The successful candidate will be expected to have an outstanding record of research relevant to cell death and survival and will promote an internationally competitive research programme in this field. This will complement and extend existing expertise in the molecular cell biology of neurodegeneration, inflammatory/immune disease and cancer in the Departments of Biochemistry and Medicine.

Salary will be within the professorial scale, minimum £34,047pa.

Informal enquiries may be addressed to either Professor R. John Mayer, tel: 0115 970 9369, fax: 0115 970 9969, Email: John.Mayer@nott.ac.uk or Professor John Savill, tel: 0115 970 9985, fax: 0115 970 9978, Email: John.Savill@nott.ac.uk.

Further details and application forms are available from the Personnel Office, Highfield House, The University of Nottingham, University Park, Nottingham NG7 2RD. Tel: 0115 951 3261. Fax: 0115 951 5205.

Please quote ref. MCM/022. Closing date: 7 May 1996.

The University of Nottingham is a research-led institution which provides the highest quality learning environment and is committed to equal opportunities in employment.

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**ETH Zürich**

**Postdoctoral Position**

**Microbiology/Microbial Ecology/Biochemistry**

A position is available to study the microbial degradation of mineral oil in contaminated soils and aquifers. The project will include field work, simulations in laboratory aquifer columns, and studies in microbial cultures. Selected catabolic pathways will be characterized biochemically, whereas specific microorganisms in aquifer material are to be determined by means of gene probes. The applicant should have special interest in anaerobic processes and be familiar with chemical analysis.

The position is available from spring 1996 to spring 1998 and may include an extension for two additional years. The salary will be about CHF 75,000 per annum.

To apply, please send a full CV and the names of three referees to K. Zurbuchen, Personnel Officer, Swiss Federal Institute of Technology (ETH), 8092 Zurich, Switzerland. Further details may be obtained from J. Zeyer or P. Hochener by phone (+41 1 633 60 44 or 60 42) or by e-mail (zeyer@ito.unmw.ethz.ch).

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**Scientist**

**Cardiovascular Pharmacology**

A major French pharmaceutical company wishes to recruit a pharmacologist for its research centre located west of Paris

Qualifications include a PhD with postdoctoral experience in cardiovascular research. Applicants should have a practical experience of hemodynamic techniques and coronary catheterism.

Involved in research projects aiming at the discovery of novel drugs, you will be more particularly responsible for studies on vascular restenosis models and will perform vascular histomorphometric techniques.

Our material and technical facilities are excellent. You will join a high-level multidisciplinary team and evolve in a stimulating scientific environment.

Please send your application file (CV, handwritten letter and photo) to PUBLIVAL/4003
27 Route des Gardes
92190 MEUDON (FRANCE)
POSTDOCTORAL/RESEARCH ASSISTANT PROFESSOR

Molecular Physiology of Secretory Cells

We are seeking candidates for an NIH-funded, interdisciplinary study focusing on the structure and function of hormone release in exocrine cells. The focus of this work is on the anion channels in parotid acinar cells and includes an electrophysiological study of the channels in native cells and the cloning, expression, and function of the channel proteins (see J. Physiol., 484:677, 1995; J. Mem. Biol., 147:95, 1995; J. Physiol., 490:351, 1996). We seek a Ph.D. with experience patch-clamping native cells, experience with expression systems, and the capability and desire to be involved in the design and implementation of studies designed to address the modulation and regulation of the anion channels in acinar cells and to collaborate with molecular biologists in the cloning, expression, and function studies of these channels. Interested individuals should contact: Dr. Ted Begenisich, Department of Pharmacology and Physiology, Box 711, 601 Elmwood Avenue, University of Rochester, Rochester, NY 14642.

RESEARCH FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS available to work on NIH-funded study of interactions between rod and cone signals in macaque monkey retina. Training is offered in physiology and anatomy of primate retina in the lab of Dr. Dennis Dacey (Department of Biological Structure). Background in electrophysiology, visual physiology, and/or color science would be helpful. Annual salary: $25,000 for one to three years. Please send curriculum vitae and three letters of reference to: Dr. Steven Buck, Department of Psychology, University of Washington, Box 351525, Seattle, WA 98195, Email: sbuck@uwashington.edu. FAX: 206-685-1187.

POSTDOCTORAL POSITION

Position available immediately to develop gene therapy approaches for the treatment of cystic fibrosis. The studies involve the mouse model beige and patient-derived cell lines. A background in either the biochemistry of vesicular transport or experimental pathology would be appropriate. Please send curriculum vitae and names of three references to: Dr. Stephen J. Brandt, Division of Hematology, Room 547 MRB II, Vanderbilt University Medical Center, Nashville, TN 37232. An Affirmative Action/Equal Opportunity Employer.

RESEARCH SCIENTIST

POSTDOCTORAL FELLOWSHIPS available to work on: 1) signal transduction in murine pus, 2) antigen presentation and autoimmunity, 3) cytoskeletal structure and function in oxidative injury, 4) cell and/or molecular biology experience desirable. Send letter, curriculum vitae, and three references to: Dr. Jerrold S. Levine and Dr. Wilford Lifetheral, Research Section, Boston University School of Medicine, 88 East Newton Street, Boston, MA 02118. FAX: 617-638-7326. Boston University is an Affirmative Action/Equal Opportunity Employer.

RESEARCH SCIENTIST to study structure and function of ion channels in heterogeneous expression systems. Requires Ph.D. and three or more years of postdoctoral training using voltage/patch clamp techniques. An interest in studying calcium currents in a range of cell types is desirable. Send curriculum vitae, description of current research, and names of three references to: Dr. William P. Schilling, Rammellkamp Center Research, Case Western Reserve University, 2500 MetroHealth Drive, Cleveland, OH 44109-1988. Email: wschilling@mhnet.mhmc.org.

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RESEARCH SCIENTIST to study structure and function of ion channels in heterogeneous expression systems. Requires Ph.D. and three or more years of postdoctoral training using voltage/patch clamp techniques. An interest in studying calcium currents in a range of cell types is desirable. Send curriculum vitae, description of current research, and names of three references to: Dr. William P. Schilling, Rammellkamp Center Research, Case Western Reserve University, 2500 MetroHealth Drive, Cleveland, OH 44109-1988. Email: wschilling@mhnet.mhmc.org.

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Postdoctoral Research Positions

Veterinary Infectious Disease Organization

The Veterinary Infectious Disease Organization (VIDO) has immediate openings for 4 postdoctoral fellows to strengthen its research programs in the areas of vaccine development and delivery. Positions are available to work in the following areas:

- Nucleic acid immunization (V-01-Dr. S. van den Hurk): This position involves the development of polynucleotide immunization technology for use in animals, including sheep, cattle, and swine, as well as to understand the immune mechanisms involved.

- Bovine adenovirus (V-02-Dr. S. Tikoo): Two positions are available to work on the molecular biology of bovine adenovirus with emphasis on its development as a viral vector for vaccine delivery and gene therapy.

These positions require a strong background in molecular virology and/or immunology plus the ability to work in a team-based research environment.

Immunology (V-03-Dr. P. Griebel): The objective of this project is to investigate the ability of liposome-cytokine formulations to modulate immune responses to vaccine antigens. These formulations will be tested for their ability to confer protection against respiratory pathogens in a sheep model. Candidates will be expected to have a strong background in immunology with a working knowledge of mucosal immunity. Experience with techniques necessary to evaluate cellular and humoral immune responses is essential, and a working knowledge of ruminant immunology would be an asset.

VIDO has well-equipped laboratory and animal facilities and offers a stimulating research environment encouraging collaborative efforts between scientists within various disciplines. All positions are available immediately. Please identify the position you are applying for by using the reference number. Candidates should send a copy of their vitae and names of three references to:

Dr. Andrew A. Potter
Associate Director—Science
Veterinary Infectious Disease Organization
120 Veterinary Road
Saskatoon, Saskatchewan S7N 5E3 Canada
Email: potter@sask.usask.ca

Come to NIH and Help Shape the Future of Neuroscience

Health Scientist Administrator

The National Institute of Neurological Disorders and Stroke (NINDS), located in Bethesda, Maryland, is seeking a health scientist administrator in the Division of Fundamental Neurosciences. The person holding this position will advise and assist NINDS grantees doing fundamental research related to neurological diseases, and will be responsible for evaluating and planning the extramural research program of the Institute in this scientific area. Applicants are expected to have broad knowledge of, and interest in, contemporary neurobiological research. Areas of special interest include molecular, developmental, or integrative biology. Successful applicants must possess a Ph.D. or M.D. (or equivalent degree) with postdoctoral training in research and a record of research accomplishment relevant to the responsibilities described above.

This is a GS-12/13/14 Civil Service Position with a salary range of $44,458 to $62,473 per year for Ph.D.s and $53,110 to $72,663 for M.D.s. Physicians may be additionally eligible for a Physician's Comparability Allowance.

Applicants should submit a letter of application with a brief description of career interests, along with a curriculum vitae and bibliography, to:

Ms. Christine Steyer, National Institutes of Health, NINDS Personnel Office, Building 31, Room 8A23, 31 Center Drive, MSC 2540, Bethesda, MD 20892-2540, or you may fax your application to (301) 402-2818.

Applicants are encouraged to obtain information concerning the position description and qualification requirements by contacting Ms. Steyer at (301) 496-6334.

U.S. citizenship is required.

Applications must be submitted by June 1, 1996.

National Institutes of Health
Department of Health and Human Services
NIH IS AN EQUAL OPPORTUNITY EMPLOYER
DuPont Merck is a worldwide research-based pharmaceutical and radiopharmaceutical manufacturer. Established in 1991 as a partnership of the DuPont Company and Merck & Co., Inc., DuPont Merck has over $1.2 billion in sales. The company employs approximately 4,000 people worldwide, and is headquartered in Wilmington, Delaware, USA.

The Cardiovascular Diseases Research group has openings in the thrombosis research and vascular biology areas and uses a team-oriented approach to discover and advance novel therapies for the treatment of unmet clinical needs in these areas.

THROMBOSIS RESEARCH
We are seeking an individual who will have responsibility for providing scientific leadership to a multidisciplinary group whose purpose is to identify and implement novel approaches for the treatment of thrombotic disorders. Specifically, the successful candidate will provide expert knowledge of the interaction between platelets, lipids and vessels as related to the mechanisms of thrombosis. Must have a Ph.D. or M.D. and 5+ years experience of innovative research in thrombosis or coagulation. Excellent leadership skills are desirable.

VASCULAR BIOLOGY
This individual will provide scientific leadership to a multidisciplinary team developing new molecular strategies for the treatment of cardiovascular disease. Expertise in vascular biology is required. Experience in signal transduction in vascular cells and biochemical/molecular methods for cell-cell and cell-extracellular matrix interactions is highly desirable. M.D. or Ph.D. required with 5+ years of experience and a proven track record of innovative research in vascular biology.

DuPont Merck offers excellent compensation and benefits. Our mid-Atlantic location affords an attractive lifestyle with easy access to a wide range of academic, cultural, and recreational activities.

Interested candidates should send their curriculum vitae, references and 1-2 page research summary to: The DuPont Merck Pharmaceutical Company, CVS-S4/96, P.O Box 80400, Room 2413C, Wilmington, DE 19880-0400. An equal opportunity employer M/F/H/V.
**Executive Director**
Hubbs-Sea World Research Institute, a private, not-for-profit foundation, seeks an Executive Director who shall be in charge of all facets of operations and administration. The Executive Director reports to the Board of Directors and is responsible for administration, strategic planning, and development of resources in support of scientific research. Candidates must demonstrate exceptional management and communication skills, fundraising ability, and visionary scientific leadership. Research programs include ecology, behavior, physiology and aquaculture, primarily of marine and coastal organisms. Postmark deadline: 15 May 1996. Submit cover letter, curriculum vitae, and the names, addresses and phone numbers of at least three professional references to: Search Committee, Hubbs-Sea World Research Institute, 2595 Ingraham Street, San Diego, California 92109.

**MYRIAD GENETICS, INC.**
**Positions Available**
Myriad Genetics, located adjacent to the University of Utah and in the foothills of the Wasatch Mountains, is a publicly-held genomics company focused on the isolation of significant disease-causing genes. Our scientific achievements include elucidating the role of the p16 tumor suppressor gene in human cancer (Science 264: 436-440), and the identification of the breast and ovarian cancer susceptibility gene BRCA1 (Science 266: 66-71). We currently have active programs in the areas of cancer, coronary heart disease, asthma, obesity, and osteoporosis. We have major collaborations with Ciba Geigy, (now called NOVARTIS) and Bayer pharmaceutical companies. We have the opportunity to expand our staff in the following areas:

**Scientific Director for Myriad Genetic Laboratories, Inc.** - Seeking Ph.D. for technology development and scientific leadership in DNA based genetic testing laboratory. Additionally, will develop and optimize automated processes for a high throughput testing laboratory. Skills and experience in molecular genetics and DNA sequencing. Commercial experience preferred.

**Senior Scientist** - Seeking Ph.D. for technology development position in DNA sequencing and molecular genetic analysis. You will work to develop and optimize processes for a high throughput research environment, as well as anticipate the practical implementation of new technologies and evaluate for suitability. Skills in molecular genetics, mechanical or electrical engineering and computer science preferred.

**Research Associates** - Requires an M.S. or B.S. degree and a minimum of two years' experience in molecular biology. Experience with cell culture-based assays, construction and screening of cDNA or genomic libraries and PCR is preferred.

**Sequence Analysts** - Requires an M.S. or B.S. degree; experience in DNA and protein sequence analysis, sequence alignment and contig assembly preferred.

We offer a competitive compensation package and a highly stimulating interactive environment. Please send or fax your letter of interest specifying position, a complete resume, and the names of three professional references to: Barbara Berry, Human Resources Dept., Myriad Genetics, Inc., 390 Wakara Way, Salt Lake City, UT 84108. Fax: 801-584-3640. Equal Opportunity Employer.
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You will be involved in the construction and characterization of transgenic and knockout mice for disease modeling. A BS/MS in Biology, Molecular Biology, or Pharmacology and 2+ years of relevant experience are required.

**Postdoctoral Fellows**
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**The Extracellular Matrix: Its Synthesis, Function and Degradation**
September 12-15, 1996

Sponsored By:
W. Alton Jones Cell Science Center, Inc.

**ORGANIZING COMMITTEE:**
Dr. JoEllen Welsh and Dr. Martin Tenniswood
W. Alton Jones Cell Science Center

**SCIENTIFIC ADVISORY COMMITTEE:**
Dr. Mina Bissel, Dr. John Mort, Dr. Gunter Vollmer

**Topics include:** Structure, synthesis and degradation of ECM; interaction of ECM and cell surface associated receptors in control of differentiation, growth and apoptosis; involvement of ECM proteases and their inhibitors in tumor progression and metastasis.

**SPEAKERS**

- Suneel Apte
- Tim Cawston
- Ann Chambers
- Matthias Chiquet
- Mirek Cychler
- Shoukat Dedhar
- Steven Farmer

- Filippo Giancotti
- Paul Hughes
- Donald Ingber
- Rudolph L. Juliano
- Hynda K. Kleinman
- Bruce Lessey
- Joseph A. Madri

- Arthur M. Mercurio
- Cal Roskelly
- Leena B. Tuederman
- Gunter Vollmer
- Valerie Weaver
- J. Frederick Woessner
- John Mort

Anita Yu

Registration forms may be obtained from: The Organizing Committee, W. Alton Jones Cell Science Center, Inc., 10 Old Barn Road, Lake Placid, NY 12946; Tel: (518) 523-1252; Fax: (518) 523-1849

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**VIRAL IMMUNOLOGIST**

Immunex is a Seattle-based biopharmaceutical company dedicated to developing immune systems science to protect human health. Our success has established an international reputation for quality research. We currently are seeking a highly motivated individual to contribute to our scientific efforts at the interface of virology and immunology.

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*51 University St., Seattle, WA 98101.*
*FAX (206) 623-4572.*
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*Jobline: (206) 389-4060.*

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**MEETINGS**

**References**

Senior Lectureship/Lectureship in Pharmacology

Applications are invited for a Senior Lectureship/Lectureship in the Department of Pharmacology (RF-95/96-89), tenable from 15 June 1996 or as soon as possible thereafter. Appointment will initially be made on a fixed-term basis of two to three years, with a possibility of renewal.

Applicants should possess a PhD in pharmacology or related disciplines, postdoctoral experience and a substantial record of publication. The appointee will be expected to contribute to the teaching of pharmacology to medical, dental and undergraduate nursing students, and supervision of postgraduate students. The appointee should also establish an independent research programme. Some internal support for research will be available but the appointee is encouraged to seek external fundings. The position may be filled at the Senior Lectureship level if the appointee has substantial research experience, demonstrated teaching ability and an excellent record of achievement.

Current departmental interests include cardiovascular pharmacology, gastric pharmacology, pharmacology of medicinal plants, toxicology and drug metabolism. Applicants are requested to submit a brief description of their proposed research together with their curriculum vitae, and to indicate clearly which level they wish to be considered for.

Annual salaries [non-superannuable but attracting 15% (taxable) terminal gratuity] are on the following scales, with starting salary depending on qualifications and experience: Senior Lecturer: HK$705,600 - HK$947,880 (9 points) (approx. US$91,636 - US$123,101); Lecturer: HK$454,200 - HK$758,700 (11 points) (approx. US$58,987 - US$98,532: US$ equivalent as at 25 March 1996).

At current rates, salaries tax will not exceed 15% of gross income. Children’s education allowances, leave, and medical benefits are provided; housing or tenancy allowances are also provided in most cases at a charge of a percentage of salary, currently 7.5%.

Further particulars and application forms may be obtained from the Appointments Unit, Registry, The University of Hong Kong, Hong Kong (Fax (852) 2540 6735/2559 2058; E-mail: APPTUNIT@REG.HKU.HK), or from Appointments (44874), Association of Commonwealth Universities, 36 Gordon Square, London WC1H OPF, UK (tel. 0171 387 8572 Ext.206; fax 0171 813 3055; email: appts@acu.ac.uk), or on WWW at http://www.hku.hk.

Closes 10 June 1996.
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Applicants should have a Ph.D. degree or equivalent and at least five years postdoctoral experience in behavioral pharmacology. A proven track record of scientific excellence, good communication skills and the ability to organize and motivate are essential.

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We are an equal opportunity employer dedicated to diversity and the strength it brings to the workplace. For other job opportunities, please access our Job Bank at http://www.lilly.com or phone our Jobline 1-800-892-9121.

Caltech Postdoctoral Scholars Program at JPL

The California Institute of Technology has established a new Postdoctoral Scholars Program at the Jet Propulsion Laboratory (JPL). Positions are now available in the Air-Sea Interaction Team of the Earth and Space Science Division for studies in large scale ocean-atmospheric interaction and ocean circulation by applying satellite data. The NASA Scatterometer (NSCAT) will be launched in August 1996 and will provide surface wind vectors over 90% of the global ice-free ocean every two days under both clear and cloudy conditions. NSCAT data will be complemented by other space-based data that provide thermal/hydrologic forcing and oceanic responses (surface temperature and sea level). Synergistic use of space-based observations, ground-based measurements, and numerical models are encouraged. Information on relevant research activities at JPL can be found in homepage http://airsea-www.jpl.nasa.gov

The appointments are contingent upon evidence of completion of Ph.D. A degree in Atmospheric or Oceanic Sciences with a strong background or training in physics and applied mathematics is desirable. The annual salary for a new Ph.D. is approximately $36,000 and can vary somewhat according to the applicant's qualifications. The position will be awarded initially for one year, with the possibility of renewal in one-year increments for a maximum of two additional years. A statement of brief proposal (1-2 pages) describing future research interest and the intended studies should accompany the application.

Please send a curriculum vitae with a list of individuals who could serve as professional references to: Dr. Timothy W. Liu, M.S. 300-323, Jet Propulsion Laboratory, 4800 Oak Grove Drive, Pasadena, California 91109, Phone:(818)354-2394, Fax: (818) 393-6720. Email: liu@pacific.jpl.nasa.gov

The California Institute of Technology and the Jet Propulsion Laboratory are Equal Opportunity/Affirmative Action Employers. Women, minorities, veterans, and disabled persons are encouraged to apply.

JPL

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The Albert Einstein College of Medicine is seeking a senior investigator with an established research program for appointment as a Professor in a Basic Science Department. Resources include: Research space in the new Golding Research Building, a generous start-up package, and a relocation package. Research areas of interest include: Regulation of Transcription, RNA Processing, or Translation; Mammalian Development; Human Genetics; and Integrin-Mediated Signal Transduction.

Interested candidates should send a CV and the names of three references to: Dr. Michael B. Prystowsky, Chair, Interdepartmental Search Committee, Albert Einstein College of Medicine, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461. An Equal Opportunity Employer.

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The Scientific Resources Program, National Center for Infectious Diseases, Centers for Disease Control and Prevention (CDC), invites applications for a position of CHIEF, Biological Products Branch. This branch is responsible for: (1) preparing and distributing cell culture media, microbological culture media, stains, and various other reagents to CDC scientists for research and reference; (2) establishing and maintaining a bank of cell line cultures; (3) maintaining a water quality laboratory to ensure that water treatment systems function properly and deliver water of appropriate quality; (4) conducting applied and basic research (independently and collaboratively) - problems related to mammalian cell cultures, cell biology, microbiological fermentation, water quality, and specimen storage conditions; (5) establishing and practicing quality control procedures to ensure production of high quality products; (6) providing consultation and training to CDC programs and extramural organizations; and (7) collaborating with CDC laboratory personnel in developing and improving products and services. Basic requirements include a degree in biology and/or microbiology, with emphasis in cell biology. An advanced degree in biology and experience as a principal investigator in cell biology and/or molecular biology is desirable. Candidates must be U.S. citizens since this is a career position. Civil Service salary range for the position is $57,862 to $94,721 per annum. Salary and benefits are commensurate with education and experience. Interested individuals are invited to send a curriculum vitae with publication to: Ms. Janie Oddy, CDC-HRMO, 4770 Buford Highway, Mailstop K18, Atlanta, GA 30341-3724. CDC is an Equal Opportunity Employer and has a smoke-free environment.

EvolVtionary Genetics

We are searching to fill TWO POSITIONS, one senior and one junior, in evolutionary genetics: theoretical, empirical or both. We are particularly looking for candidates whose research complements the interests of our current faculty, including the areas of human, plant or microbial population genetics, or evolutionary quantitative genetics. Interested persons should submit their curriculum vitae, relevant publications, and the names of three referees to: Genetics Search Committee, Department of Ecology and Evolution, University of Chicago, 1101 East 57th Street, Chicago, IL 60637. The deadline for receipt of applications is July 30, 1996. We anticipate interviewing candidates in the fall of 1996 and the positions beginning as early as September 1, 1997.

Health Research Analysts

ECRI, a nonprofit health research agency, seeks doctoral-level scientists with life science or clinical epidemiology training and a voracious reading ability to evaluate clinical literature and critique new health technologies. Excellent analytical, statistical, and science-writing skills essential. Experience in assessing women's health technologies helpful. Send curriculum vitae to: Vivian Coates, Vice President, ECRI, 5200 Butler Pike, Plymouth Meeting, PA 19462.

Position open

ANNOUNCEMENTS

A NATO Advanced Study INSTITUTE on “The Role of the Human Corpus Callosum in Sensory Motor Integration: Anatomy, Physiology and Behavior,” Individual Differences and Clinical Applications” will be held at II Ciocco in Tuscany, Italy from September 1 to 10, 1996. For information contact: Dr. Eran Zaidel, Department of Psychology, Los Angeles, CA 90095-1563. Telephone: 310-206-8280; FAX: 310-206-5895; Email: LCAFETIL@UCLA.EDU; http://www.lifesci.ucla.edu/repository/psychology/Resources/zaidel/natoasi.html.

PRE-PROPOSALS—Deadline: 1 July 1996. International Foundation for Ethical Research (IFER) is granting 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: Replacement, Reducation and Replacement, plus a fourth R: Responsibility. For information and format write to: IFER, 53 West Jackson Boulevard, Department J, Chicago, IL 60604. Telephone: 312-427-6025.

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Enquiries: Dr. J. Teubner; FAX: +61-8-277-0085; Email: Jillian.Teubner@flinders.edu.au; Web site: http://www.som.fnc.flinders.edu.au; Telephone: 1-800-686-3562 (accessible from U.S.A. only). Applications close 30 June 1996; interviews in the U.S.A. and Asia in early August.

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