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Mapping the Human Brain
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Seminar Organizer: Joseph B. Martin, Univ of Calif-San Francisco

Understanding Neurodegenerative Diseases: Alzheimer's Disease

Sunday, 14 February, 8:30 am–11:15 am

Session Chair: Joseph B. Martin, Univ of Calif-San Francisco

Joseph B. Martin, Univ of Calif-San Francisco
Introduction—The human brain mapping initiative

Leonard Berg, Washington Univ School of Med
Alzheimer's disease: The clinical and pathological syndrome

Kenneth S. Kosik, Harvard Med School
From the amyloid precursor protein to the plaques and tangles: Where does it go wrong?

Alison Goate, Washington Univ School of Med
Mutations in the amyloid precursor protein gene in Alzheimer's disease

Brad Hyman*, Massachusetts General Hospital
An analysis of the memory deficit in Alzheimer's disease

Donald L. Price, Johns Hopkins Univ School of Med
The biology of Alzheimer's disease: Lessons from studies of model systems

Keynote Address
Sunday, 14 February, 1:15 pm–2:15 pm

Eric R. Kandel, Columbia Univ College of Physicians and Surgeons/HHMI
Cell and molecular mechanisms of memory storage

Perceiving the World: An Exploration of the Senses

Sunday, 14 February, 2:30 pm–5:00 pm

Session Chair: David C. Van Essen, Washington Univ School of Medicine

Randel Reed*, Johns Hopkins Univ
Genes involved in visual processing

John E. Dowling, Harvard Univ
Retinal processing of visual information

David C. Van Essen, Washington Univ School of Med
Mapping the visual cortex: From monkeys to humans

John S. Kauer, New England Med Center/Tufts Med School
Distributed representation of odor information: A paradigm for parallel neuronal processing

Stephen G. Lisberger, Univ of Calif-San Francisco
Sensory-motor processing for smooth eye movements

Memory and Learning: Lessons from Models

Monday, 15 February, 8:30 am–11:30 am

Session Chair: Marcus Raichle*, Washington Univ School of Med

Larry R. Squire, VA Medical Ctr/Univ of Calif-San Diego
Brain systems and the structure of memory

Gary Lynch, Univ of Calif-Irvine
Biological origins and computational features of memory in brain networks

Marcus Raichle*, Washington Univ School of Med
Contributions of brain imaging to an understanding of brain areas involved in memory and learning

Endel Tulving, Rotman Res Inst of Baycrest Center, Toronto
How do we think about memory?

Panel discussion: Sharing the data involved in dissecting brain functions

Keynote Address
Monday, 15 February, 1:15 pm–2:15 pm

Floyd E. Bloom*, Scripps Res Inst
Experience with brain mapping

Mapping Strategies
Monday, 15 February, 2:30 pm–5:30 pm

Session Chairs: Constance M. Pechura, Inst of Med; Joseph B. Martin, Univ of Calif-San Francisco

Robert Langridge*, Univ of Calif-San Francisco
Mapping molecules: Computations in time and space

Bruce R. Schatz, Univ of Arizona
Mapping organisms: From a worm genome to a human brain

Joseph Coyle, Harvard Med School
A neuroscientist's view of the brain

Vinton G. Cerf, Corporation for National Research Initiatives
A computer scientist's view of the brain map

Alan J. Leshner, Natl Inst of Mental Health
The Human Brain Project: The federal role

Panel discussion and concluding remarks

* Invited, not confirmed

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Send curriculum vitae, statement of research interests, and three letters of recommendation to: Search Committee, Environmental Sciences Department, P.O. Box 231, Cook College, Rutgers, The State University, New Brunswick, NJ 08903. Review of applications will commence on March 15, 1993 and continue until a suitable candidate is selected.

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Glaxo Inc., one of the largest pharmaceutical companies in the world, has an established record of developing the highest quality prescription medicines for unmet patient needs. Located in Research Triangle Park, N.C., the Glaxo Inc. Research Institute is a premier facility which provides a stimulating environment for scientists working in all aspects of discovery and development. We invite you to experience the challenges and accomplishments a future with us holds for you. The following openings are available.

SR. SCIENTISTS
Cancer Research
Apopptosis, Cell Cycle and DNA Repair

We have two openings in the Department of Cell Biology for MOLECULAR BIOLOGISTS/BIOCHEMISTS with experience in the areas of apoptosis and/or regulation of cell cycle progression in mammalian cells. These individuals will develop and lead research projects focusing on APOPTOSIS AND CHECKPOINT CONTROL OF THE CELL CYCLE as potential targets for novel cancer chemotherapy. The purpose of this research commitment is to integrate an understanding of apoptosis with that of cell cycle regulation, genomic integrity and DNA repair.

Successful candidates will be energetic individuals with leadership ability and creativity, in addition to scientific excellence. Active collaboration with other research teams on both inside and outside the company is required. Qualifications must include a Ph.D. or M.D., plus a minimum of four years of relevant post-doctoral experience, and a proven record of achievement. Please refer to position title and Job # 9125B006-SC on all resumes.

SR. SCIENTIST
X-Ray Protein Crystallography

The Structural and Biophysical Chemistry Department is expanding both in terms of personnel and equipment. The Crystallography facilities include a crystallization robot, two rotating anode generators, a Siemens area detector, a Rigaku image plate detector, ESV graphics workstations, and access to a Cray Y-MP at the North Carolina Super Computer Center.

This position requires a Ph.D. with broad experience in protein crystallography, especially protein crystallization and MR methods. Some experience in protein purification would be beneficial. This individual will also work closely with medicinal chemists in the design of novel inhibitors.

Please refer to position title and Job # 9141-XR-SC on all resumes.

Join Glaxo and enjoy excellent salaries, flexible benefits, an on-site fitness center, a spirit of enthusiasm and teamwork and outstanding opportunities for career satisfaction. Equally appealing is our world famous scientific, industrial, and academic community in Research Triangle Park, N.C. Send your resume, which must include position title, corresponding Job # and salary history, to: Human Resources Department, Glaxo Inc., P.O. Box 13398, Research Triangle Park, N.C. 27709. (No Phone Calls or Agency Referrals, Please) An Equal Opportunity Employer M/F/DV.
The University of Pennsylvania is an Affirmative Action/Equal Opportunity Employer.

The Biology Department of the University of Puerto Rico, Rio Piedras, Puerto Rico, has a tenure-track position for an ASSISTANT PROFESSOR (Ph.D. required). We are looking for someone whose research focuses on the comparative biology or systematics of terrestrial or freshwater invertebrates. He or she will be expected to develop a research program, seek external funding, advise graduate students (M.S. and Ph.D.), teach a course in general zoology, develop one or more advanced undergraduate or graduate courses, and curate an invertebrate collection. Faculty in Spanish is desirable. Send applications, including letters from 3 referees by March 15, 1993, to: Dr. Richard Thomas, Biology Department, PO Box 23360, University of Puerto Rico, San Juan, PR 00931-3360.

The Polymers Science and Engineering Department at the University of Massachusetts, Amherst, seeks applications for positions as ASSISTANT PROFESSORS of Polymer Science and Engineering beginning fall 1993 or spring 1994. One position sought is in the area of polymer synthesis and has interests in the experimental mechanics of solids, and the other is in the area of polymer synthesis. Exceptional candidates with established programs may be considered for appointment with tenure as Professor or Associate Professor. Salary commensurate with qualifications and experience. Candidates should submit a letter, a proposed research program, and arrange to have three letters of recommendation sent to: William J. MacKnight, Chairman, Faculty Search Committee, Department of Polymer Science and Engineering, University of Massachusetts, Amherst, MA 01003. The deadline for receipt of applications is February 1, 1993. Search will continue until suitable candidates are found. All members of the Department are subject to final budgetary approval. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR HEALTH SCIENTIST

Hamphire College seeks a scientist working in a discipline such as epidermiology, reproductive biology, nutritional biochemistry, or immunology. The new appointee will contribute to the curriculum in areas of ethnic minority health and/or women's health as well as to ongoing traditional curricular work in biology. Hampshire College offers a stimulating and supportive environment for interdisciplinary teaching and research. The candidate will be expected to be active in the Third World and Women in Science programs. Faculty at Hampshire are expected to develop science programs and seminars and to supervise and evaluate a variety of student projects. The usual course teaching load at Hampshire is four courses per year. The appointee will be relieved from one of these courses in order to work with Asian American or Latin@ students at Hampshire's multicultural center on program development, advising, and special programming. Send curriculum vitae, the names of three references, and a letter of application to: Ms. Laurie Smith, Search Committee, School of Natural Science, Hampshire College, Amherst, MA 01002. The committee will begin to consider applications on February 10, 1993. Hampshire College is an Equal Opportunity Employer and has embarked upon a vigorous Affirmative Action program. Women and minority candidates are strongly encouraged to apply.

UNIVERSITY OF PENNSYLVANIA Department of Physiology School of Medicine

Applications are encouraged from persons applying molecular biological and biochemical techniques to the study of Ion Channels for a tenure-track position in Physiology. Preference will be shown to applicants at the level of ASSISTANT PROFESSOR. Please send us (before March 15, 1993) curriculum vitae, a statement of research interests, three letters of recommendation, or preprints or relevant papers. Also arrange to have three letters of reference sent to: Ion Channel Search Department of Physiology University of Pennsylvania Philadelphia, PA 19104-6085

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

The Biology Department of the University of Vermont, Burlington, VT, has a tenure-track position for an ASSISTANT PROFESSOR (Ph.D. required). We are interested in developing a faculty member with a program in molecular and cell biology. The successful candidate will teach introductory biology, an advanced level course in plant or animal biology, and a graduate course. He or she should have an active research program and be able to mentor graduate students. He or she will be expected to develop a research program, seek external funding, advise graduate students, teach a course in general biology, develop one or more advanced undergraduate or graduate courses, and curate an invertebrate collection. Faculty in Spanish is desirable. Send applications, including letters from 3 referees by March 1, 1993, to: Dr. Louis L. Albritton, Biochemistry and Molecular Biology Search Committee, College of Medicine, University of Vermont, Burlington, VT 05405.

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

ASSISTANT PROFESSOR—GROSS ANATOMY

The Department of Anatomy of the Kirkville College of Osteopathic Medicine is seeking applications for a tenure-track position at the assistant professor level. Applicants must hold a doctoral degree in a biomedical science. Previous teaching experience in Human Gross Anatomy is required. Successful candidates should have postdoctoral experience, and must develop an independent research program. Application materials (curriculum vitae, names of three references, and postdoctoral research interests) are to be sent to: Lex C. Towns, Ph.D., Department of Anatomy, Kirkville College of Osteopathic Medicine, Kirkville, MO 65501. Effective appointment date is July 1, 1993. Equal Opportunity/Affirmative Action Employer.

MICROBIOLOGY

The Discipline of Microbiology invites applications for a tenure-track position in microbiology at the ASSISTANT PROFESSOR level, beginning fall 1993. A Ph.D. is required. The candidate is expected to teach medical microbiology and be involved in the supervision of medical and dental students. Major emphasis is on teaching and research, and the candidate is encouraged to become actively involved in clinical microbiology. The candidate is expected to develop a research program, seek external funding, advise graduate students, teach a course in general microbiology, develop one or more advanced undergraduate or graduate courses, and curate an invertebrate collection. Faculty in Spanish is desirable. Send applications, including letters from 3 referees by March 15, 1993, to: Dr. John C. Oakes, Chair, Microbiology Search Committee, College of Osteopathic Medicine of the Pacific, College Plaza Pomona, CA 91768

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

DEPARTMENT OF PSYCHOLOGY National Institute of Nervous, Mental, and Muscular Disease NEUROPSYCHOLOGIST

Tenure-track position at ASSISTANT PROFESSOR level available for a person with an active research program, an interest in involving undergraduates in research, and a strong commitment to undergraduate teaching at both the introductory and advanced levels. We would prefer research interests in one or more of the following areas: behavioral and physiological aspects of lifespan development, clinical aspects of neurosciences, and psychological physiology. Smith College offers colleagues with interests in both these and related areas in the Five Colleges (Amherst, Mount Holyoke, Hampshire, Smith, and the University of Massachusetts) drawn from departments of Psychology, Chemistry, Computer Science, and Communication Disorders. Applications are encouraged from women and minority candidates. The Department invites applications from qualified researchers interested in the study of brain, mind, and behavior. Send curriculum vitae, a letter describing research interests and goals, and the names and addresses of three references to: Search Committee, Department of Psychology, Smith College, Box 685, Northampton, MA 01063. An Affirmative Action/Equal Opportunity Institution. Women and minorities are encouraged to apply.

POSITIONS OPEN

HOPKINS MARINE STATION OF THE UNIVERSITY OF PENNSYLVANIA announces the availability of a TENURED POSITION.

The Hopkins Marine Station of Stanford University invites applications from distinguished scientists with teaching and research commitments to develop a program in marine organismal biology, animal behavior, or marine biochemistry. The successful candidate will be expected to be active in the Third World and Women in Science programs. Faculty at Hopkins are expected to develop science programs and seminars and to supervise and evaluate a variety of student projects. The usual course teaching load at Hopkins is four courses per year. The appointee will be relieved from one of these courses in order to work with Asian American or Latin@ students at Hopkins's multicultural center on program development, advising, and special programming. Send curriculum vitae, the names of three references, and a letter of application to: Ms. Laurie Smith, Search Committee, School of Natural Science, Hampshire College, Amherst, MA 01002. The committee will begin to consider applications on February 10, 1993. Hampshire College is an Equal Opportunity Employer and has embarked upon a vigorous Affirmative Action program. Women and minority candidates are strongly encouraged to apply.

UNIVERSITY OF COLORADO SCHOOL OF MEDICINE

The Department of Cellular and Structural Biology invites applications to its program in Developmental Biology (CELL BIOLOGY, CHEMICAL SENSES, CELL BIOLOGY) by filling at least two tenure-track faculty positions. Successful candidates have a Ph.D. or Ph.D. degree, are qualified to develop a strong, independent research program. Preferred research areas are cellular and molecular aspects of vision or olfaction. Experience, the cellular and molecular aspects of chemical senses, including taste and smell, or fundamental problems in cell biology. Collaborative research will be encouraged. Send curriculum vitae, publication list, a one-page statement of current and future research goals, and the names of three references to: Dr. John C. Oakes, Chair, Search Committee, Department of Cellular and Structural Biology, UCHSC, 4200 East Ninth Avenue, B-111, Denver, CO 80262.

The University of Colorado Health Sciences Center is committed to Equal Employment Opportunity and Affirmative Action.

RESEARCH INSTRUCTOR OR RESEARCH ASSISTANT PROFESSOR. A 12-month, full-time position is available immediately in the Division of Nutritional Pathophysiology, University of Alabama at Birmingham (UAB). The individual will assist in the day-to-day operation of in vivo cancer chemoprevention and toxicity studies and will develop own research interests. Candidates must hold a Ph.D. or D.V.M. Experience with long-term studies in rodents desired. Send curriculum vitae, a letter of interest, and three references to: Dr. Glenn J. Grubbs, Department of Nutrition Sciences, UAB, 1675 University Boulevard, Birmingham, AL 35294. UAB is an Affirmative Action/Equal Opportunity Employer.

ORGANIC-INAL BIOLOGIST THE UNIVERSITY OF CHICAGO

The Department of Organismal Biology and Anatomy at the University of Chicago invites applications for a tenure-track position. The department has a broad interest in the mechanisms of minimal function and seeks to recruit a new faculty member who will complement or augment its existing strengths in physiology, developmental biology, or neuroethology. We are interested in individuals using modern techniques to bear on problems in either vertebrate or invertebrate biology. Although we expect to fill this position at the ASSISTANT PROFESSOR level, rank is open. Applicants should send curriculum vitae, statement of research interests, and names of three referrees to: Chair, Search Committee, Department of Organismal Biology and Anatomy, The University of Chicago, 1027 East 57th Street, Chicago, IL 60637. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN VISION RESEARCH JULES STEIN EYE INSTITUTE University of California Los Angeles

The retina Division of the Department of Ophthalmology at UCLA and the Jules Stein Eye Institute invites applications for the position of ASSISTANT or ASSOCIATE PROFESSOR of Ophthalmology to establish a research program in Retinal Transplantation. Candidates should possess a Ph.D. in Cell Biology, strong background in vision research, ability and interest in teaching, and desire to collaborate with experienced Retinal Transplantation investigators. Preference will be given to candidates with expertise in Retinal Transplantation who have demonstrated research potential and collaborative skills. Applications from qualified individuals should submit curriculum vitae, three references, and a letter describing research interests and accomplishments at the time of application to: Dean Bok, Ph.D., Jules Stein Eye Institute, 100 Stein Plaza, UCLA School of Medicine, Los Angeles, CA 90024. UCLA is an Equal Employment Opportunity/Affirmative Action Employer.

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Listed below are a few of the excellent opportunities for conducting research that are now available with leading scientists at the National Institutes of Health.

**Biochemistry and Molecular Biology of Ascorbic Acid**
*Mark Levine, MD*

The translocation of ascorbic acid (vitamin C) across cell membranes and its action on gene transcription are being studied. Ascorbic acid regulation of oxidant quenching in neutrophils, regulation of collagen biosynthesis in fibroblasts, and pharmacokinetics in humans are also being examined. Background in molecular genetics or protein chemistry preferred. Candidates must have five or fewer years of postdoctoral experience. Laboratory of Cell Biology and Genetics (OE-25), NIDDK, Building 8, Room 415.

**Cell Biology, Biochemistry, Enzymology, and Molecular Biology**
*Seymour Kaufman, PhD*

The biological functions of tetrahydrobiopterin are being studied, including its role as the essential coenzyme in the synthesis of monoamine neurotransmitters and other biofactors such as nitric oxide (endothelium-derived relaxing factor). Candidates are being sought who are interested in the following areas: cell biologists and biochemists to investigate new roles for tetrahydrobiopterin, such as in cell proliferation, neurotransmitter release, and immune response; and enzymologists and molecular biologists to study the structure, mechanism of action, and regulatory properties of the above enzymes. Laboratory of Neurochemistry (OE-25), NIMH, Building 36, Room 3D30.

**G-Protein Structure and Function**
*John Northup, PhD*

Two positions are available to study the structure and function of G-proteins. Projects include the expression and reconstitution of recombinant G-protein-coupled receptors, cloning and expression of novel G-protein subunits and mutations, and identification of novel effector regulation by G-proteins. Laboratory of Cell Biology (OE-25), NIMH, Building 36, Room 2D30.

**HIV Gene Expression and Pathogenesis**
*Steven L. Zeichner, MD, PhD*

The interrelationships among differentiation, development, and HIV pathogenesis are being studied at the molecular level. Projects include the identification, characterization, and cloning of differentiation-dependent and developmentally-regulated factors that influence HIV gene expression and pathogenesis, as well as the investigation of the cellular functions involved in viral replication. Pediatric Branch (OE-25), NCI, Building 10, Room 13N240.

**Malaria Vector Biology**
*Kenneth D. Vernick, PhD*

The relationship between mosquito vectors and associated malaria parasites is being studied at the molecular level in order to develop novel approaches for malaria transmission control. Specific interests include developmental biology of malaria in the mosquito host, identification of salivary gland receptors for sporozoite invasion, genetic systems of malaria-refractoriness in mosquito vectors, and population biology of the major African malaria vector *Anopheles gambiae*. Laboratory of Malaria Research (OE-25), NIAID, Building 4, Room 126.

**Molecular Immunology**
*Keiko Ozato, PhD*

Transcriptional regulation of MHC Class I genes is being studied in order to better understand the role of gene regulation in controlling the development of the immune system. cis-regulatory elements of MHC Class I genes and trans-acting factors that bind to these elements have been identified and several genes encoding proteins that bind to these elements have been isolated. Future experiments will focus on the mechanisms of action of these transcription factors. Laboratory of Molecular Growth Regulation (OE-25), NICH, Building 6, Room 2A01.

**Additional Postdoctoral Fellowship Opportunities**

For an on-line listing of additional postdoctoral openings you may access the NIH EDNET Bulletin Board's POSTDOC conference via modem (1,3014922221 or 1,8005882221). The settings for modem access are "7,even,1". When connected to NIH, type in "pdf" at the connect message, "FSE" at initial, and "AJL" at account.

A catalog describing NIH research opportunities may be accessed via the network-based (Internet) Gopher Information System. Configure your software to point to the Internet address "gopher.nih.gov" and port "70" to access NIH Gopher and then choose NIH Information to reveal the NIH Office of Education directory. Those interested in receiving information on other postdoctoral opportunities, clinical training opportunities, or accessing Gopher may contact the Office of Education, Building 10, Room 1C129. Phone: 301-496-2427.

**To Apply**

If you hold a graduate doctoral degree (e.g., PhD, MD/PhD) or a professional degree (e.g., MD, DO, DDS, or DVM) accompanied by previous laboratory research experience and would like to be considered for one of these positions, please send a cover letter, *curriculum vitae*, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.

**National Institutes Of Health**

9000 Rockville Pike, Bethesda, MD 20892
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We’re Scios Nova, an emerging biopharmaceutical leader with a broad technology base including five products in clinical trials and several others in pre-clinical testing. Scios Nova is committed to being on the leading edge for the discovery, development and commercialization of novel therapies for the treatment of human disease, and is seeking individuals who share that commitment. If you’re seeking an innovative and supportive corporate culture, contact us today.

Development
Department Head
Purification Development/Protein Chemistry

Lead an R & D team responsible for the purification and characterization of recombinant therapeutic proteins used in various research projects. In this dynamic environment, you will also develop processes that will be scaled up and transferred to manufacturing, as well as conduct protein characterizations (i.e. sequencing, peptide mapping, amino acid composition). Ideally, you will have a background in chromatography process design, analytical methods and protein separation techniques. A PhD coupled with 5 years’ experience and a proven record of performance in an industrial setting are required. Position code: S100

Research
Senior Scientist
Inflammation/Immunology

We seek an independent investigator to participate as a key member of a team introducing a new product to market. You will have responsibility for investigating the mechanism of action of a new class of inflammation inhibitors, leukotrienes; establishing structure-activity relationships for new compounds; and contributing to the creation and evaluation of ideas about new products/programs. Scientists with a PhD in the Biomedical Sciences and at least 3-5 years’ related experience are encouraged to apply. Background as a team leader is a plus. Position code: S101


NATIONAL INSTITUTE OF DIABETES,
DIGESTIVE AND KIDNEY DISEASES
NATIONAL INSTITUTES OF HEALTH
POST-DOCTORAL POSITION

A post-doctoral fellowship is available immediately for a recent Ph.D. in molecular genetics or related discipline to participate in studies of the genetic determinants of non-insulin dependent diabetes mellitus in man. The position is funded through the NIH Intramural Research Training Award Program and has a starting annual stipend of $25,000 to $38,000 depending on the level of previous post-doctoral experience.

Send curriculum vitae to:
Clifton Bogardus, M.D.
Clinical Diabetes and Nutrition Section
National Institutes of Health
4212 N. 16th Street, Room 541
Phoenix, Arizona 85016

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ATTENTION
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Place your classified ad in any January-March 1993 issue of Science and get double exposure. We’ll display the same position announcement at the Employment Exchange during the AAAS Annual Meeting for only $50 more.

When you place your classified ad in Science, simply let us know that you want to take advantage of the $50 Special and we’ll do the rest.

The Employment Exchange will take place at the AAAS Annual Meeting, 11-16 February 1993, at the Hynes Convention Center in Boston, Massachusetts.

Thousands of scientists in various disciplines have been invited to participate. Act fast and you can reach this unique pool of candidates.

For more information on how you can interview candidates on-site please refer to the 13 November 1992 issue of Science, or contact Jacquelyn Roberts at (202) 326-6737, Fax: (202) 842-1046.

LUDWIG INSTITUTE
INSTITUTE SÃO PAULO
CANCER BRANCH
RESEARCH LUDWIG IN CANCER
10th ANNIVERSARY

BASIC AND APPLIED
CANCER RESEARCH
April 1 - 3, 1993
São Paulo - Brazil

INTERNATIONAL SYMPOSIUM ON
HUMAN PAPILLOMAVIRUS
April 4 - 6, 1993

Cancer Inheritance; Biochemistry of the Transformed Phenotype; Tumor Immunology and Metastases; Etiology, Diagnosis and Epidemiology; Transformation, Immune Responses and Epidemiology of H.P.V.

Speakers:

Contact
Dr. Luisa L. Villa or Libeca M. Ward
Instituto Ludwig de Pesquisa sobre o Câncer
r. Prof. Antonio Prudente #109, 4th floor
CEP 01509-010
Phone: (011)270-4922 Fax: (011)270-7001
São Paulo SP - BRAZIL

MEETING ANNOUNCEMENT

Registration and
Abstract Deadline
March 1st, 1993

Visit sciosnova.com
For immediate consideration, send cover letter describing research experience, curriculum vitae and three letters of reference to: Mr. Bruce Wiggins (HNV60)
National Institute of Environmental
Health Sciences
Personnel Office
P.O. Box 12233
Research Triangle Park, North Carolina 27709
(919) 541-3317

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Smoking is not allowed in any NIH Building
POSITIONS OPEN

ASSISTANT PROFESSOR
Section on Neurobiology
SCHOOL OF FORESTRY
THE UNIVERSITY OF MONTANA

The University of Montana's School of Forestry seeks applications for Assistant Professor of Forest Ecology. This tenure-track position is a core appointment involving the traditional roles of teaching, research and public service. Responsibilities include teaching an undergraduate course in Forest Ecology and additional courses in areas such as community and landscape ecology. The successful applicant will be expected to assume a leadership role in the developing field of ecosystem management, including the job description and application information may be obtained from:

Chair, Forest Ecology Search Committee
School of Forestry, The University of Montana
Missoula, MT 59812

Telephone: (406) 243-5522; FAX: (406) 243-4845

Review of applications will begin March 1, 1993, and continue until an appointment is made. The University of Montana is an Affirmative Action/Equal Opportunity Employer. Applications from women, minorities, and members of other protected classes are encouraged.

HYPERTENSION AND VASCULAR RESEARCH—A full-time, tenure-track faculty position at the level of ASSOCIATE, or FULL PROFESSOR is open in the Section of Hypertension and Vascular Medicine of the Division of General Internal Medicine at the University of Texas Medical Branch (UTMB) on Galveston Island. Candidates must have an M.D. or equivalent degree to gain independent funding, and be eager to join a growing research group with collaborative initiatives at both basic and clinical levels. Expertise in one of the following areas would be valuable: Vascular or endothelial cell biology as it relates to hypertension or atherosclerosis, transgenic, molecular mechanisms of hormone action, and gene therapy. Applicants must submit a curriculum vitae and name three references to: Richard Bukeski, Ph.D., Head of Search Committee, Hypertension and Vascular Research, UTMB, 301 University Boulevard, Galveston, TX 77555-5146. Equal Opportunity/Affirmative Action Employer M/F/D/V. UTMB is a smoke-free/drug-free workplace. UTMB hires only individuals authorized to work in the United States.

UNIVERSITY OF COLORADO HEALTH SCIENCES CENTER
SCHOOL OF PHARMACY

The Division of Pharmaceutical Sciences invites applications for a tenure-track position at the level of ASSISTANT PROFESSOR. A Ph.D. degree and postdoctoral research experience are required; a degree in pharmacy or experience in a pharmacy school setting is desirable. The Division seeks candidates able to demonstrate the potential for developing independent, extramurally funded research that complements ongoing programs in molecular toxicology, pharmacology or drug development. The successful candidate will participate in teaching pharmacy in the professional degree program and will contribute to graduate-level courses in the Ph.D. program in Pharmaceutical Sciences or Toxicology. Applicants should submit curriculum vitae, a brief description of research interests, reprints of three significant recent publications and a list of three references to: Dr. Ralph J. Attiere, Chair, Faculty Search Committee, University of Colorado Health Sciences Center, School of Pharmacy, Campus Box C258, 4200 East Ninth Avenue, Denver, CO 80262. The University of Colorado Health Sciences Center is an Equal Opportunity/Affirmative Action Employer.

CHIEF, HUMAN GENETICS AND MOLECULAR BIOLOGY
Department of Pediatrics seeks a scientist working in modern molecular biology with abilities and interests to lead the Division of Human Genetics and Molecular Biology into the 21st century. A tenure-track position will be offered. Both physician and Ph.D. candidates are encouraged. Ph.D. candidates should have a curriculum vitae to Bernard Kaplan, M.D., Chair, Genetics Search Committee, The Children's Hospital of Philadelphia, 34th and Spruce Streets at Building—Room 380, Philadelphia, PA 19104. The University of Pennsylvania is an Equal Opportunity, Affirmative Action Employer.

POSITIONS OPEN

CELLULAR/MOLECULAR NEUROPHYSIOLOGIST

The Department of Physiology, State University of New York (SUNY), Health Science Center at Syracuse invites applications for a tenure-track position at the ASSOCIATE/ASSOCIATE PROFESSOR level. Applicants should have an M.D. degree and at least three years of postdoctoral experience. The department is seeking a neurophysiologist with a well-developed research program in cellular or molecular neurobiology. The position also requires competence in teaching in medical and graduate courses. Salary and startup funds will be provided. Interested candidates should send a copy of their curriculum vitae, three letters of reference and a statement of research goals, to: Dr. Alex Bortoff, Department of Physiology, SUNY Health Science Center at Syracuse, 780 East Adams Street, Syracuse, NY 13210. Deadline for application is April 1, 1993. The SUNY Health Science Center at Syracuse is an Affirmative Action/Equal Opportunity/ADA Employer.

MANAGER, BIOTECHNOLOGY CORE FACILITY

The Ohio State University Biotechnology Center seeks a core facility manager to provide research support services. The position requires hands-on experience in protein and nucleic acid sequencing and synthesis. Knowledge is desirable. A competitive salary and benefits will be provided. Send curriculum vitae and list of references to: Director, Ohio State Biotechnology Center, 2307 Farkas Road, Columbus, OH 43210-1002. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era Veterans, disabled veterans, and individuals with disabilities are encouraged to apply.

1993 M.D.

DIRECTOR OF MEDICAL RESEARCH

1.) Responsible for HIV Therapeutic Vaccine and AIDS Therapeutic antibody products through clinical trials. Salary is open.

2.) Responsible for bringing leading anti-cancer agents through trials. Salary is open.

P.K. SCIENTISTS

1.) Pre-clinical, Drug Metabolism, IND & NDA's.
   M.S. to Ph.D. Salary: $65,000 per year.

2.) Assistant Director Clinical—Phase I for unique dosage forms. Ph.D. $70,000 per year.

3.) Support protocol design and learn nonmon. Salary: $45,000 to $55,000 per year.

In addition, an NIH grant supported by the National Institute of Health.

For further information call or send resume to: Guy Andrew, CENTRAL CLEARING, INC., 10081 West Roosevelt Road, Westchester, IL 60154. Telephone: (708) 450-2660; FAX: (708) 450-2676.

CHAIR, Department of Fisheries and Aquatic Sciences
University of Florida

The University of Florida invites applications and nominations for Chair of the Department of Fisheries and Aquatic Sciences (Position #DFA-1218). Candidates should have a Ph.D. in an appropriate discipline. The Chair is encouraged to conduct research and teach one course per year. Applications from women and minorities are encouraged. Applicants should submit curriculum vitae, three letters of reference, and an outline of their research program. This information should be obtained from the department. Interested candidates must submit a letter of application, curriculum vitae, and five letters of reference to: Dr. Daniel E. Caradus, Dept. of Fisheries and Aquatic Sciences, 7522 NW 71st Street, Gainesville, FL 32606-3071, Telephone: (904) 392-9617. Open until March 15, 1993.

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FAX NUMBER: 202-682-0816

POSITIONS OPEN

SCIENCE DEAN
California State Polytechnic University, Pomona

Applications and nominations for Dean of the College of Science are invited. The College is committed to the Vice President for Academic Affairs. Duties and responsibilities include: Leadership in all academic and operational matters, extensive interaction with the appropriate academic college; promotion of affirmative action efforts to diversity faculty and staff, promotion of educational equity efforts, and development and training activities. Required qualifications include: Earned doctorate and academic credentials supporting a faculty appointment, university-level teaching experience, record of scholarly research achievement, skill in successful administrative experience, history of successful working relationships with students, faculty, and administrators, and clear philosophy of the role of the College in a comprehensive university. All candidates must demonstrate responsiveness to educational equity goals of the university and its increasingly diverse ethnic, cultural, and international character. Date of appointment: August 1, 1993, or as soon thereafter as practical. Salary: Commensurate with qualifications and experience; a substantial benefits package is included. Committee consideration of completed applications will begin on March 15, 1993, and will continue until the position is filled. Please address nominations and applications to: Dr. Sidney A. Ribeau, Vice President for Academic Affairs, California State Polytechnic University, Pomona, CA 91768. California State Polytechnic University, Pomona is an Equal Opportunity/Affirmative Action Employer.

RESEARCH FACULTY POSITIONS
BIOLOGICAL PSYCHIATRY

The Department of Psychiatry and Human Behavior at the University of Mississippi Medical Center invites applications to fill several tenure-track research positions for its newly established research programs. Candidates should hold a M.D. or Ph.D. with at least two years of postdoctoral experience in one or more of the following areas: molecular biology, receptor binding, receptor cloning, brain imaging, molecular genetics, neuropyschopharmacology, microdialysis. Prior research with biogenic amines, neurotransmitters and psychotropic drugs is highly desirable. Candidates should have demonstrated ability to develop research programs and to compete successfully for extramural funding. Applicants to basic science departments are encouraged. Teaching responsibilities are not excessive. Faculty rank and salary commensurate with degree and level of experience. Applicants should have a curriculum vitae with names of travel research interests and the names of three individuals who have agreed to provide letters of recommendation to: Dr. Norman G. Decker, Dean, The University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216-4805. Applications will be accepted through May 1, 1993. A Equal Opportunity Employer, M/F/D/V.

FACULTY POSITION IN IMMUNOLOGY: A faculty position is available in the Department of Immunology at St. Jude Children's Research Hospital. This is a full-time research position, which can be held at any academic rank. Applications from both new and established investigators are welcome. The Department currently has strong programs in molecular and cellular immunology, with specific interests in T lymphocyte cytokine expression and effector function, tumor immunogenetics, the regulation of gene expression, macrophage/T-cell interactions, autoimmunity, mechanisms of tolerance and viral immunity. Applicants might either establish an independent effort complementing one of these existing areas, or provide a completely different focus. Major research groups at St. Jude Children's Research Hospital are concentrating on: growth regulation and signal transduction in hematopoietic cells; antigen receptors on human T cells, cancer chemotherapy, respiratory pathogens and Epstein Barr virus. The research environment is highly interactive, and collaborative efforts are encouraged.

Enquiries should be directed to: Dr. Peter C. Doherty, Chairman, Department of Immunology, St. Jude Children's Research Hospital, 262 North Lauderdale, Memphis, TN 38110. An Affirmative Action/ Equal Opportunity Employer. We provide a smoke free environment.
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- Are the issues facing American women global issues, or are the barriers and frustrations different in Europe and Japan?

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March 13 Reprint

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THE UNDP/WORLD BANK/WHO SPECIAL PROGRAMME FOR RESEARCH AND TRAINING IN TROPICAL DISEASES (TDR), WHO, GENEVA, SWITZERLAND

Invites applications for the post of MEDICAL OFFICER (CLINICAL DEVELOPMENT)

The World Health Organization (WHO) is an inter-governmental agency internationally recognized for its integrity and lasting achievements. Guided by humanitarian concerns, WHO works to direct and coordinate global and national efforts to improve the health of peoples throughout the world. To meet its objectives, WHO depends on staff members with special qualities of leadership, dedication and commitment.

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TDR promotes development, production and testing of new products, with specific emphasis on their production and testing in developing countries.

TDR is seeking to hire a medical officer with experience in developing, producing and testing pharmaceuticals. The successful candidate will work as part of the Product Development Unit and will provide expertise and support related to clinical development, particularly in relation to disease endemic countries.

Applicants should have experience in pharmaceutical research and development, ideally in a major pharmaceutical company, including up-to-date knowledge of the clinical development of pharmaceuticals. Knowledge of tropical diseases would be an advantage. Medical degree is a requirement, as is an excellent knowledge of English or French, with a good working knowledge of the other language.

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Letter of application and detailed curriculum vitae together with a recent photograph should reach the following office within three weeks of publication of this advertisement quoting reference "MPR/TDR" and the name of the journal in which this announcement appeared:

Personnel Officer
World Health Organization
Avenue Appia
1211 Geneva 27, Switzerland

APPLICATIONS FROM WOMEN ARE ENCOURAGED
Only candidates under serious consideration will be contacted.
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INSTITUTE OF ZOOLOGY
LOWER VERTEBRATE REPRODUCTIVE BIOLOGIST

Applications are invited for a Post-Doctoral Research Scientist to join the Reproductive Biology Group to establish an international status research programme in lower vertebrate reproductive biology. The interests of the group range from physiological ecology to molecular biology and we seek someone with interests of comparable breadth. The successful applicant would receive start-up funding, access to animal facilities and technical support, funding for a Ph.D. student and access to well-equipped molecular biological, developmental biology and endocrine laboratories. She would be expected to establish collaborative studies with the lower vertebrate collection within the Zoological Society and other scientists at the Institute (currently comprising 35 Post-Doctoral staff).

The Institute of Zoology is a grant-aided Institute of the University of London. Salary on the University lecturer scale according to age and experience. Informal enquiries about the post and research scope of the Institute to Dr. Andrew Loudon (Tel. 071 722 3303 ext 841; Fax. 071 586 2870). Formal applications with full CV and names of three referees to:


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An equal opportunity, affirmative action employer.
Assistant to the Chair and Instructor of Psychopharmacology—The University of Illinois College of Medicine at Peoria (UICOM-P) seeks to fill the positions of Instructor of Instructor (50% time) and Assistant to the Chair of the Department of Basic Sciences (50% time). Responsibilities will include: (1) formulation and interpretation of academic/administrative policies and judgments; (2) representation of the Chair of the Department; (3) enhancement of relations with internal and external agencies; (4) membership on committees; (5) assistance in recruiting faculty; (6) development of administrative procedures for maximizing academic achievements; (7) participation in the planning and implementation of research and educational goals of the University and College; and (8) teaching and professional training. The appointee will have a doctorate in a discipline pertinent to neuropsychopharmacology. Responsibilities will include publication of peer-reviewed scientific journals, experience in biostatistics, neurochemistry, intracerebral microdialysis and related areas. Other requirements for the position include: administrative experience in health-related programs and with professional personnel; experience in the utilization and theoretical aspects of research laboratory equipment and instrumentation; and the ability to provide for the proper qualification for appointment in the UIC College of Medicine as an Instructor in a basic biomedical science. The dual position will be available February 15, 1993. The University of Illinois is an Equal Opportunity/Affirmative Action Employer and encourages applications from members of minority groups and women.

Chair, Division of Pharmacology—University of Missouri–Kansas City (UMKC)

School of Pharmacy

The UMKC School of Pharmacy is currently seeking nominations or applications for the position of Chair, Division of Pharmacology. The educational and research initiatives of the division include basic and clinical pharmacology and toxicology. Qualified applicants must possess a Ph.D. or equivalent degree in pharmacology or a closely related discipline with an exemplary record of accomplishment in pharmaceutical/toxicological research. Preference will be given to candidates with demonstrated leadership ability, management skills, an academic pharmacy background, and a record of extramural funding. This position is a tenure track appointment. Interested individuals are invited to send curriculum vitae, description of research interests, and three letters of reference to: Dr. William T. Piepho, Ph.D., Dean of Pharmacy, Search Committee, University of Missouri–Kansas City School of Pharmacy, 5005 Rockhill Road, KPB 103 Kansas City, MO 64110–2499 Telephone: (816) 235–1609 University of Missouri–Kansas City is an Equal Opportunity/Affirmative Action Employer.

Postdoctoral Position—NMR

The Frederick Phillips Magnetic Resonance Research Center of the Emory University Department of Radiology seeks a Ph.D. with NMR spectroscopy or imaging experience for a one- to two-year position. Understanding of NMR spectroscopy and imaging would be advantageous. The appointee is expected to work independently in a project involving the cloning of a gene of a novel Ca++, dependent protein. The position is for a year, renewable for a further two years. Experience with NMR spectrometry and data analysis is necessary. Interested candidates are invited to send curriculum vitae and names of three references to: Dr. R. E. Trifirò, Department of Radiology, Emory University School of Medicine, 1360 Clifton Road, Atlanta, GA 30322. Equal Opportunity–Affirmative Action Employer.

Postdoctoral Positions—Molecular and Cell Biology of the Heart

Postdoctoral positions are available to study control of gene expression in heart and vascular smooth muscle, in the newly formed Molecular Cardiology Section at the University of Cincinnati. A major interest of the group is to clone transcription factors and genes involved in heart development. Individuals with background in Cell and Molecular Biology are preferred. Please submit a resume to: Dr. D. Periasamy, Molecular Cardiology, M.L. 542, University of Cincinnati, College of Medicine, Cincinnati, OH 45267. This is an Equal Opportunity–Affirmative Action Employer.

Postdoctoral Position—Molecular Endocrinologist

Postdoctoral Position available for July 1, 1993. Seeking Ph.D. molecular biologist to study human glycoprotein hormone signal transduction. Experiences in analysis of receptor-ligand interactions and expression of recombinant proteins preferred. Send curriculum vitae and names of three references to: Dr. Robert J. Spevak, University of Maryland School of Medicine, 22 South Greene Street, Baltimore, MD 21201. Equal Opportunity Employer.

Postdoctoral Positions—Molecular Biology

Postdoctoral positions available immediately to study mRNA expression in postischemic brain for a 5-year NIH-funded project in progress. Experience in molecular biology techniques, e.g., Northern blot, in situ hybridization, cell line and animal virus and strategy. Submit curriculum vitae and names and telephone numbers of three references to: Dr. Kusum Kumar, Michigan State University (MSU), Department of Plant Sciences, 620 East Fee, East Lansing, MI 48824 or FAX to 517–336–1053: Attention: Dr. Kusum. MSU is an Equal Opportunity/Affirmative Action Institution.

Postdoctoral Position—Brown University

Division of Biology and Medicine

Position available for individual interested in areas of protein structure-function, gene regulation, and regulation of gene expression. Experience in biochemistry, molecular biology, and genetics is desirable. Call Dr. Joseph R. Heath, Division of Biology and Medicine, Box 1992, Brown University, Providence, RI 02912. An Equal Opportunity/Affirmative Action Employer.

Postdoctoral Position—Brown University

Department of Neuroscience

Position available to investigate intracellular signal transduction in platelets. Experiments will examine a cytoskeletal protein which is both a Ca++- and pH-dependent protein substrate and a member of the superfamily of GTP binding proteins. Recombinant DNA as well as traditional biochemical methods will be utilized. Send curriculum vitae and two letters of reference to: Nancy Andrews, Center for Thrombosis and Hemostasis, CB #7015, 435 Burnett–Wommack Building, University of North Carolina at Chapel Hill, NC 27599.

Postdoctoral Position—Cellular/Molecular Endocrinology

To investigate the mechanisms regulating secretion, differentiation, and transdifferentiation of cells that release growth hormone and prolactin. Ongoing studies utilize both rodent and bovine pituitary cell models. Other projects involve elucidating the mechanisms by which the hypothalamic input regulates the release of prolactin. Please send curriculum vitae along with names and telephone numbers of three references to: Dr. L. Stephen Frawley, Department of Cell Biology and Anatomy, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425.

Postdoctoral Position—Cellular/Molecular Endocrinology

To investigate the mechanisms regulating secretion, differentiation, and transdifferentiation of cells that release growth hormone and prolactin. Ongoing studies utilize both rodent and bovine pituitary cell models. Other projects involve elucidating the mechanisms by which the hypothalamic input regulates the release of prolactin. Please send curriculum vitae along with names and telephone numbers of three references to: Dr. L. Stephen Frawley, Department of Cell Biology and Anatomy, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425.

Postdoctoral Position—Brown University

Position available for an applicant with protein chemistry and molecular biology experience to join a pulmonary diseases laboratory for the study of lung development and repair of injury. Inquiries to: Stephen L. Young, M.D., Professor of Medicine, Duke University Medical Center, Box 3177, Durham, NC 27710. Telephone: 919–286–6924, FAX: 919–286–6824. Duke University is an Equal Opportunity–Affirmative Action Employer.

Postdoctoral Position—University of Texas Southwestern Medical Center

Position available for an applicant with a background in cell biology and molecular biology to study cell signaling in vascular smooth muscle cells. Inquiries to: Dr. Robert J. Spevak, Department of Pharmacology, University of Texas Southwestern Medical Center, 760 West 16th Street, New York, NY 10032. Equal Opportunity–Affirmative Action Employer.

Postdoctoral Fellowship/Professional Assistant

A Postdoctoral Fellowship/Professional Assistant position is available immediately in the Secretory Process Research Program at the National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases (NIAID) at the National Institutes of Health (NIH). The program is funded by National Institute of Diabetes and Digestive and Kidney Diseases and is dedicated to understanding the molecular mechanisms of secretory processes in the mammalian cell. The successful candidate will work on a project involving the cloning of a gene of a novel Ca++, dependent protein. The position is for a year, renewable for a further two years. Experience with NMR spectroscopy and data analysis is necessary. Interested candidates are invited to send curriculum vitae and names of three references to: Dr. T. J. Trifirò, Department of Pharmacology, University of Cincinnati, College of Medicine, Cincinnati, OH 45267. Equal Opportunity–Affirmative Action Employer.

Postdoctoral Position—Postdoctoral Position in Molecular Biology

Immediate opening exists for a Ph.D. Molecular Biologist with experience in molecular cloning, sequencing and expression. This position is at the Ignat Research Institute (IRI) which supports a program in biotechnology. IRI is a growing non-profit research institution in downtown Seattle, Washington. The position is open to Ph.D. candidates interested in biotechnology. The open position also offers an interface with industrial biotechnology. Send curriculum vitae and telephone numbers of three references to: Dr. Trifirò, Department of Pharmacology, University of Cincinnati, 155 Fifth Avenue, Seattle, WA 98109.
The Center for Tropical Forest Science of the Smithsonian Tropical Research Institute is a collaborative and interdisciplinary program for natural and social science research into tropical forest ecology and management. Its main activities are: 1) linking permanent, intensive research sites in tropical forest ecology, management, economic value, and regeneration; 2) creating information exchange systems, including workshops, publications, and computer software, that enhance data collection, storage, and dissemination; 3) running a training program for forest scientists and managers from tropical countries; and 4) fostering communication of relevant research results to government officials setting tropical forest policy. The Center’s program currently includes research sites and collaborating institutions in Panama, Bolivia, Malaysia, Thailand, India, and Sri Lanka.

The Center will hire a director to administer its programs from its headquarters in Panama City, Republic of Panama or Washington, D.C. The director’s duties will include: 1) fund raising, including writing proposals and travelling to meet with funding organizations; 2) maintaining close ties with collaborating institutions; 3) stimulating new collaborations to initiate forest research in tropical countries; 4) overseeing the creation of a training program in tropical forest ecology, economics, and management aimed at students from tropical countries; and 5) developing an interdisciplinary research program in tropical forest science; 6) representing the CTFS before international organizations concerned with forestry policy and research. Applicants are expected to have demonstrated capacity for dynamic leadership, innovative research, strategic planning, effective administration and a comprehensive understanding of tropical forest biology. The position requires the ability to interact with international donor agencies, national government commercial organizations and universities. Salary will be between $56,627 and $73,619 according to experience, and may include home leave, housing and educational allowances.

Interested candidates should send a letter of interest and a Curriculum Vitae to: Dr. Ira Rubinfot, Director, STRI Unit 0948, APO AA 34002-0948, USA.

Assistant Director, Scientific Support Services

Following considerable diversification and growth of its scientific research, the Smithsonian Tropical Research Institute (STRI) has recently reorganized its administration. The above position has been created to coordinate and oversee the running of all scientific facilities, marine and terrestrial, as well as to supervise all scientific support personnel. Units include 3 major laboratories; 1) Naos, (marine and molecular biology), 2) Barro Colorado Nature Monument (tropical forest research), and 3) Tupper Research and Conference Center (including the Center for Tropical Palaeocology, the Center for Tropical Plant Eco-Physiology, and the Center for Tropical Forest Science). STRI has a permanent staff of 30 scientists, and about 400 visiting scholars, pre and post doctoral fellows, and students annually. Facilities include a tower crane for canopy research, a new 100’ research vessel, state-of-the-art molecular biology and plant physiology laboratories and marine laboratories on both Pacific and Atlantic coasts. The selected person is expected to have considerable experience in the administration of a scientific research institute, a strong background in natural sciences, with at least a masters degree, and excellent interpersonal skills, to interact with a diverse array of scientific and administrative staff. The person selected will not have a personal research agenda but will be expected to participate in the discussions of STRI’s advisory scientific council, and to translate decisions of the director and the council to the scientific support staff, and to oversee their implementation. The incumbent will be responsible for coordinating and defending a budget so that the scientific facilities are developed in response to scientific goals and planning. The position will be at the level of IS14 (salary range $56,627-$73,619) and may include home leave, housing and educational allowances. Candidates should send a curriculum vitae and the names of 3 references to: Dr. Anthony G. Coates, Deputy Director, STRI Unit 0948, APO AA 34002-0948, USA.
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The Texas A&M University Health Science Center is seeking nominations or applications for a well-endowed Chair and Professorship established in the Health Science Center. It is anticipated that most of the funds generated by the endowment will be available to support the research programs of the Holder of the Chair. Applicants or nominees should have a strong background in chemistry or biochemistry and should have a vigorous research program involving applications of chemistry or biochemistry to medically important problems. Research interactions would be anticipated with one or more of the contiguous basic medical sciences departments (Medical Biochemistry & Genetics, Medical Microbiology & Immunology, Medical Physiology, Medical Pharmacology & Toxicology, Medical Anatomy, and Medical Pathology). Areas of current research in the Health Science Center include bacterial and parasitic pathogenesis, molecular biology, molecular genetics, microcirculation, ocular pharmacology, oncogenes, and the neurosciences. Additional research interactions are encouraged with investigators in other well regarded Texas A&M University departments, including Chemistry, Biochemistry and Biophysics, Biology, several departments in the College of Veterinary Medicine, and the Intercollegiate faculties of Genetics, Cell Biology, Nutrition, and Toxicology.

Applications should include a curriculum vitae, and the names of three references. Nominations should include a curriculum vitae, if possible. Applications or nominations will be accepted until the position is filled. Applications or nominations should be sent to Dr. Garret Thier, Search Advisory Committee, Department of Medical Biochemistry & Genetics, Texas A&M University Health Science Center, College Station, TX 77843-1114. Texas A&M University is an Equal Opportunity/ Affirmative Action Employer/Educator

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Dr. Kurt W. Kohn
Laboratory of Molecular Pharmacology
National Cancer Institute
National Institutes of Health
Bldg. 37, Room 5C25
9000 Rockville Pike
Bethesda, MD 20892.

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UNIVERSITY OF DUBLIN
TRINITY COLLEGE
Chair of Microbiology (1975)
Applications are invited for appointment to the Chair of Microbiology (1975) in the Faculty of Science. The Department has established excellence in research on microbial pathogenesis and infection and immunity, with marked strengths in microbial and molecular genetics, bacterial membranes and cell surfaces and molecular virology. Other research areas include applied and environmental microbiology and immunology. The Department has attracted significant grants for research from national, European Community and international bodies. There is a significant association in research with the Unit of Clinical Microbiology, Faculty of Health Sciences.

The Department of Microbiology's main teaching contribution is to its Honors course leading to a B.A. (Moderatorship) in Science. It also has major teaching commitments, in which the Unit of Clinical Microbiology participates, to the Schools of Medicine and Dental Science in the Faculty of Health Sciences and to the School of Pharmacy in the Faculty of Science.

Applicants, scientifically or medically qualified, will be expected to provide academic leadership and to have a distinguished reputation and established research record in one of the constituent disciplines of the subject.

Further particulars of the appointment, including details of salary and other benefits, may be obtained from the College Secretary, West Theatre, Trinity College, Dublin 2, Ireland (Tel: +353-1-7021123. Fax: +353-1-710037) to whom formal applications may be sent, before 19 February 1993

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Send curriculum vitae and names of 3 references to:

Dr. A.J. Fornace Jr.
Laboratory of Molecular Pharmacology
Building 37, Room 5C09
National Institutes of Health
9000 Rockville Pike
Bethesda, MD 20892

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TUFTS UNIVERSITY

Director
Center for Environmental Management

Tufts University is seeking applicants for Director of the Center for Environmental Management to begin as early as July, 1993. The Center, established 8 years ago, has an operating budget of nearly $4.5M, a staff of 25, and funds 35 university-wide research projects in broad areas of environmental sciences, which includes health and ecological sciences, engineering and policy.

The Director will provide leadership and direction to the Center, whose expressed mission is to promote environmental sustainability by developing and supporting innovative university-wide programs in research, policy, education and outreach, and collaborating with public and private sector groups. The Director will be responsible for developing and maintaining support and funding for Center programs; fostering an interdisciplinary approach; evaluating strategic directions; and overseeing development and integration of the Center’s diverse programs. The successful applicant may also hold a joint faculty position in an appropriate University department, tenure track or not, depending on the qualifications and desires of the person. The faculty rank would be commensurate with teaching and research experience.

Candidates must have a demonstrated background in and commitment to environmental science, technology, policy, or management; demonstrated leadership and fund raising skills; considerable experience in managing organizations involved in science and policy; and experience in educational and/or research management. Preference will be given to someone with a PhD or equivalent advanced degree in an environmentally related field of biomedical or physical science, engineering, policy, or in exceptional cases, appropriate experience. Applicants must demonstrate an ability to work across disciplinary boundaries.

Send curriculum vitae and names of three references to Search Committee Chairman, Melvin Bernstein, Vice President for Arts, Sciences, and Technology, Ballou Hall, Tufts University, Medford, MA 02155. Screening of applications will begin February 8, 1993. Tufts University is an Affirmative Action/Equal Opportunity Employer, M/F/D/V.

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(Washington, DC)
CODE 2289
A SENIOR LEVEL IMMUNOLOGIST is sought to assume a leadership role in the development of novel immunologically-based biosensor technologies. Candidates should possess a broad scientific background, with a PhD in Immunology or a related field, with a minimum of five years of demonstrated laboratory experience in fluorescence and optics for sensor applications. Candidates should possess previous project and personnel management experience, with consummate written and oral communications skills. Previous experience in successfully securing sources of research funding is preferred.

(Various Locations)
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BS/MS level staff members are being sought to support our research and development efforts throughout the country. Fields of specific interest include molecular biology, microbiology, physiology, and biochemistry. Candidates should possess a minimum of two years of post-graduate practical experience. Applicants should specify their geographic preferences, if any, and their specific fields of interest and expertise.

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Candidates should forward their qualifications, salary requirements and references to:

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Attn: Deborah Hall-Greene/Code 2240A

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March 5 Issue - Deadline: Feb. 16

ACS (American Chemical Society)
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**Post-Doctoral SCIENTIST**

to study the role of protein tyrosine phosphatases in signal transduction

The ideal candidate will have research experience in receptor-linked signalling pathways involving tyrosine phosphorylation/dephosphorylation. The successful applicant will investigate protein tyrosine phosphatases, their interactions with receptor tyrosine kinases and associated signal transduction events. Informal enquiries may be made to Dr. Steve Arkin (Tel +41 22 706 98 42).

The Institute provides a dynamic international research environment and actively encourages collaborative projects with academic groups as well as the publication and presentation of results at scientific meetings.

We offer an excellent compensation and benefits package and significant opportunities for career development. Geneva, situated in a very attractive part of Europe, has many advantages as a place to live. The Institute for Molecular Biology is part of the Glaxo group, one of the world’s most successful healthcare companies which has an outstanding reputation for the quality of both its research and products.

If you are interested in this position, please send your curriculum vitae with a list of publications and the names of three referees to: Rita Gloor, Personnel Manager, Glaxo Institute for Molecular Biology, 14 chemin des Aulx, 1228 Plan-les-Ouates, Geneva, Switzerland.
Hahnemann University
Philadelphia, Pennsylvania

PROVOST

Hahnemann University invites nominations and applications for the position of Provost.

THE UNIVERSITY

Hahnemann University is a modern academic health center in central Philadelphia with more than 2000 students enrolled in its School of Medicine, Graduate School, and School of Health Sciences and Humanities. Hahnemann University Hospital is a 616-bed, level I Trauma Center with Medevac capabilities.

THE POSITION

The Provost reports to and is responsible to the President. The Provost represents the President on all University matters and is the Acting President when the President is not on campus. The Provost has responsibility for the programs, space facilities, budgets, faculty, staff and students in the academic programs. The Provost serves on the Senior University Administrative Team along with the President, Chief Operating Officer, and Chief Financial Officer.

The Provost must exert visible leadership as the University engages in activities with the surrounding communities. In addition, the Provost is responsible for recruitment of distinguished faculty and the development of academic programs that transcend traditional walls. Experience in the development of research programs of many sorts is essential.

QUALIFICATIONS

Candidates must have an earned Doctorate and academic credentials and achievements sufficient to merit a full professor’s tenured faculty appointment within the University. Significant administrative expertise within a complex academic health center or a university is desirable. Also required is demonstrated competence in fiscal responsibility and budget management. It is desired that candidates should have demonstrated skill with and commitment to gender, multi-ethnic and multi-cultural issues, as well as commitment to the needs of students and student welfare. Service as a Dean, Chair, or equivalent is preferred.

APPLICATIONS / NOMINATIONS

Applications and nominations, including letter of interest and current curriculum vitae, should be forwarded by March 1, 1993 to:

John R. Hogness, M.D.
Interim Provost
HAHNEMANN UNIVERSITY
Mail Stop 490, Broad and Vine Streets
Philadelphia, PA 19102-1192

Hahnemann University is an Equal Opportunity, Affirmative Action Employer and invites and encourages applications and nominations from women and under-represented minorities.

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NATIONAL INSTITUTE OF ALLERGY & INFECTIOUS DISEASES
NATIONAL INSTITUTES OF HEALTH

POST-DOCTORAL FELLOWSHIP

SCRAPIE/ PRION PROTEIN/ NEURODEGENERATIVE DISEASE. A postdoctoral fellowship is available to study the biochemistry and cell biology of scrapie-associated prion protein accumulation as a model of neurodegenerative amyloidosis. The current research focuses on the mechanism of action of recently identified inhibitors of amyloidogenic prion protein accumulation in cell culture. These studies should suggest therapeutic strategies for treating transmissible spongiform encephalopathies (TSE) and other amyloidoses such as Alzheimer's diseases.

This effort will be part of broad-based departmental studies of neurodegenerative diseases resulting from infections by TSE agents and viruses such as HIV, rabies and neurotropic marine retroviruses.

The preferred candidate will have a doctorate and background in one or more of the following: protein biochemistry, ligand binding studies, intracellular membrane trafficking, conformational analysis, glycosaminoglycans, the TSE field. Salary range: $25,000-35,000 per year.

To apply send curriculum vitae, or for further information, call or write to:

Byron Caughey, Ph.D.
Laboratory of Persistent Viral Diseases
National Institute of Allergy & Infectious Diseases
National Institutes of Health
Rocky Mountain Laboratories
Hamilton, MT 59840
Telephone: (406) 353-3211

NIH is an Equal Opportunity Employer

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Postdoctoral Research Fellowships
Joslin Diabetes Center
Harvard Medical School

Postdoctoral research positions are available in Joslin Diabetes Center laboratories at various starting times. Investigators and project areas include the following:

- S. Bonner-Weir: Mechanisms of islet growth and differentiation
- S. Bursell: Retinal blood flow mechanisms and diabetic retinopathy
- M. Hattori: Genetic basis for diabetes in NOD mice
- R. Jackson: Immunology of Type 1 diabetes
- C.R. Kahn: Mechanisms of insulin action
- G.L. King: Vascular cell biology and diabetes complications
- A. Krlewski: Genetic basis for diabetes complications
- M. Lipes: Transgenic models and the pathogenesis of diabetes
- M. Loeken: Effects of diabetes on embryonic gene expression
- E. Maratos-Flier: Mechanisms of neovirus-cell surface interactions
- C. Rhodes: Insulin biosynthetic mechanisms
- H. Riedel: Genetic dissection of insulin and PKC signalling in yeast
- S. Shoelson: Structural basis for insulin and receptor signalling
- D.C. Simonson: Clinical physiology of diabetes and its complications
- R.J. Smith: IGF and insulin mechanisms of action and interaction
- M.J. Spiro: Collagen synthesis and diabetes complications
- R.G. Spiro: Biochemical basis of diabetic renal disease
- G.C. Weir: Islet function in diabetes and transplantation
- M. White: Role of IRS-1 in insulin signalling

Please send resume and reference letters plus information on starting date and specific lab(s) of interest to:

Ms. Phyllis Nelson
Fellowship Office/Research Division
Joslin Diabetes Center
One Joslin Place
Boston, MA 02218

Joslin Diabetes Center is an Equal Opportunity/Affirmative Action Employer.
When You Want To Consult With The Experts, Just Walk Down The Hall.

At Burroughs Wellcome Co., we are proud of the talented and dedicated individuals who have made us what we are today—one of the leading research-based pharmaceutical firms in the world. Amazing things happen in an environment of mutual respect and support. Come work with our experts; join us at Burroughs Wellcome Co.

Research Scientist III/IV

This individual will radiolabel monoclonal antibodies for cancer radioimmunotherapy. Position will be filled at the Research Scientist III or Research Scientist IV level. The level of responsibility to be assigned will depend on the individual applicant's background and experience level.

Research Scientist III: Candidates must have a BS in Biology or Chemistry or a related discipline or a four-year college curriculum with a major concentration in Biology/Chemistry or a related discipline PLUS seven years of experience in nuclear pharmacy/radioimmunotherapy OR a Pharmacy degree PLUS seven years of experience in nuclear pharmacy/radioimmunotherapy OR a Master's degree in a related discipline PLUS five years of experience in nuclear pharmacy/radioimmunotherapy OR a Ph.D. in nuclear pharmacy, biochemistry or a related discipline PLUS two years of experience in nuclear pharmacy/radioimmunotherapy. Candidates selected for interview will take an on-site writing assessment.

Research Scientist IV: Candidates must have a BS in Biology or Chemistry or a related discipline or a four-year college curriculum with a major concentration in Biology/Chemistry or a related discipline PLUS nine years of experience in nuclear pharmacy/radioimmunotherapy OR a Pharmacy degree PLUS nine years of experience in nuclear pharmacy/radioimmunotherapy OR a Master's degree in a related discipline PLUS seven years of experience in nuclear pharmacy/radioimmunotherapy OR a Ph.D. in nuclear pharmacy, biochemistry or a related discipline PLUS four years of experience in nuclear pharmacy/radioimmunotherapy.

At Burroughs Wellcome Co., you will enjoy a compensation and benefits package that is among the best in the pharmaceutical industry, along with the advantages of being part of an innovative pharmaceutical leader. Please send your resume, indicating POS. #64382-29 in your cover letter, by March 1, 1993, to: Burroughs Wellcome Co., Recruiting and Staffing, 3030 Cornwallis Road, Research Triangle Park, NC 27709.

For information on other job opportunities with Burroughs Wellcome Co., call our Job Information Line at (919) 248-8347.
POSTDOCTORAL FELLOWSHIP
A postdoctoral fellowship is available to study signal transduction for cytokines and hormones including tumor necrosis factor-α, interleukin-1 and activin. Signal will be assessed with respect to models of differentiation and apoptosis, and start at $40,000 per year. Please send curriculum vitae to:

Dr. Richard Kolesnick
Head, The Laboratory of Signal Transduction
Memorial Sloan-Kettering Cancer Center
1275 York Avenue
New York, NY 10021

POSTDOCTORAL RESEARCH FELLOW IN SPORTS MEDICINE: Opportunity to develop chromatography and mass spectrometry skills in the study of analytes in exhaled anti-carcinoid drug pharmacokinetics and pharmacodynamics. Research lab is affiliated with IOC- and CAP FUDT-accredited laboratory. A Ph.D. in analytical, organic, or biological chemistry is required. Previous experience in HPLC, GC, or isolation of drugs from cell culture and biological fluids preferred. Send curriculum vitae and three references number three references to: L. D. Bowers, Sports Medicine Drug Identification Laboratory, Department of Pathology, Indiana University School of Medicine, 635 Barnhill Drive, Indianapolis, IN 46202-5210. Indiana University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE
A position is available in the Institute of Molecular Medicine in the Laboratory of Molecular Pharmacology at the Guthrie Research Institute. The Institute offers outstanding facilities and opportunities for both collaborative and independent work in a supportive environment. This position requires experience in neuroscience, cell biology, molecular biology, pharmacology or biochemistry. Send curriculum vitae and two letters of reference to: Dr. Robert S. Aronstam, Director, Guthrie Research Institute, Guthrie Square, Sayre, FA 18840.

POSTDOCTORAL FELLOWSHIP: Available immediately for molecular biologist with recent Ph.D. or M.D. to work as a member of an interdisciplinary team investigating cellular receptors in cell motility. Applicants should have experience in molecular cloning techniques and cell biology. The appointment is for two years with an opportunity for career advancement. Please include curriculum vitae and three addresses of reference to: Douglas Cines, M.D., Hematology-Oncology, 7 Silverstein Pavilion, Hospital of the University of Pennsylvania, 3400 Spruce Street, Philadelphia, PA 19104.

POSTDOCTORAL FELLOWSHIPS
Two positions are available for studies of the biochemistry and molecular biology of the regulation of steroid hormones and sterols. Of particular interest are studies on transcriptional control of squalene synthase and regulation of prenylation of proteins. Applicants should have a background in molecular biology and biochemistry and an M.D. or Ph.D. degree. Support is available for at least 3 years. Please send curriculum vitae to: Dr. Ishaahau Sheikh, Affirmative Action Office, 1899 Gayford Street, Denver, CO 80206.

U.S. NAVY MEDICAL SERVICE CORPS OFFICERS
The U.S. Navy has openings for Ph.D.-level research positions as active duty naval officers. The personnel selected will conduct basic and applied research on biochemical problems related to disease states. Applicants must be versatile, willing to relocate, and pass minimum physical and medical requirements. Requirements include Ph.D.-level training in biochemistry, molecular biology, pharmacology, toxicology, or analytical chemistry. A Master's level chemical training will also be considered. Pay begins at $40,000, but may start at $40,000 plus range plus benefits. Contact a Navy Recruiter or send a resume to: Captain R. L. Hildbrand, MSC, USN, OCRS, Attn: R.M.255 549, Pentagon, Washington, DC 20331-1815.

POSTDOCTORAL FELLOWSHIP
Ph.D. (immunology or cell biology) wanted to join laboratory studying the role of proteases in processing of antigens in the MHC class II antigen presentation pathway. Send curriculum vitae and three references to: Stephanie Dimsdale, M.D., Michael Heidelberg Division of Immunology, Department of Pathology, New York University Medical Center, 550 First Avenue, New York, NY 10016.

POSTDOCTORAL RESEARCH position available in receptor molecular biology, protein engineering and biocatalysis. Applicants will conduct research in three areas: 1) the identification of immunosuppressive agents from hamster cDNAs; 2) the production of an active, recombinant form of a humanized protein in E. coli; and 3) the characterization of a protein expression vector system. Applications are encouraged from individuals desiring to conduct research in these areas. Send curriculum vitae and three letters of recommendation to: Stephen Meister, M.D., PhD, Director, Laboratory of Research, New York University Medical Center, 550 First Avenue, New York, NY 10016.

POSTDOCTORAL RESEARCH POSITION MEMBRANE SYNTHESIS DURING THE CELL CYCLE
A position is available to study the mechanisms of membrane biogenesis in a macrophage cell line. The ongoing studies involve the biochemical signals that stimulate the genetic expression of phospholipid transferases, the enzymes which regulate membrane phospholipid synthesis, and cell cycle control of the expression of phospholipid transferase activity. Techniques routinely used include tissue culture, northern, southern and western blots, DNA-DNA binding assays, and DNA-DNA hybridization using baculovirus vectors, PCR-mediated mutagenesis, metabolic labeling, enzymology, and immunoprecipitation. Interested candidates, with a recent Ph.D. degree should send curriculum vitae to: Dr. Suzanne Jackowski, Biochemistry Department, 332 North Lauderdale, Memphis, TN 38101. An Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE
BIOCHEMISTRY/IMMUNOLOGY
Research group studying molecular and clinical aspects of drug-induced blood dyscrasias is seeking a Ph.D. Research Associate with experience in biochemistry to complement current research program. Understanding of immunology is essential and competence in molecular genetics is strongly desired. The appointment is for one year with an opportunity for career advancement. Send curriculum vitae and three letters of reference to: Dr. Richard C. Zigler, Department of Immunology, The Ohio State University, Columbus, OH 43210-1002. The Ohio State University is an Equal Opportunity/Affirmative Action Employer.

DIRECTOR OF HIGH FIELD PROTEIN NMR FACILITY
Candidates must have postdoctoral experience in high field NMR studies of proteins to oversee the operation, data accumulation, and data analyses for a high field NMR facility being established in the Department of Biochemistry at Kansas State University. This is a non-tenure-track position; the facility will operate on a fee-for-service basis. The Agricultural Experiment Station and College of Arts and Sciences are providing a salary for a continuous 9-month academic-year appointment and a summer appointment in the first two years; subsequently, the summer salary will need to be covered by facility fees. Facility equipment: a 500 MHz NMR with 3-channel system and 3D heteronuclear capability, separate work station, molecular graphics computer. It is anticipated that this appointment will begin in August 1993. Candidates should send their résumé, including the names and addresses of individuals who can supply reference letters, to: Dr. Thomas E. Roche, Head, Department of Biochemistry, William Hall, Kansas State University, Manhattan, KS 66506, KSU is an Equal Opportunity/Affirmative Action Employer.

RESEARCH SCIENTIST—Cancer research involving synthesis, structural analysis and purification. Requires a Ph.D. in Synthetic Organic Chemistry and strong publication record. A minimum of one year of experience in job offered or scientific position in similar cancer research, with experience with analytical semi-prep and HPLC, and techniques of mass spectrometry, gas chromatography, NMR, FTIR, UV-Visible, Fluorescence Spectrophotometry, inert atmosphere techniques, and manipulation of reactive organic molecules. Job location and interview is San Diego. Salary is $40,000 per year. Send this ad and résumé to: Job # DBZ 22236, P.O. Box 269065, Sacramento, CA 95826-9065 before February 1, 1993.
POSITIONS OPEN

NEUROSCIENCE
University of British Columbia (UBC)

The Division of Neurological Sciences (Kinsmen Laboratory) in the Department of Psychiatry at the University of British Columbia invites applications for two tenure-track positions each at the rank of ASSISTANT PROFESSOR. Applicants should have a Ph.D. or M.D. degree, postdoctoral training, and have shown clear evidence of a capacity for independent, original research. Outstanding applicants from all areas of neuroscience will be considered. The Division is particularly interested in recruiting individuals with expertise in neurobiology as they apply (1) to hormonal and neurotransmitter regulation of gene expression and (2) to functional consequences of gene expression in the mammalian brain. The Division offers excellent research facilities. The successful applicants will be expected to be strong candidates for Medical Research Council of Canada Scholarship support. Salary will be commensurate with qualifications and experience. UBC welcomes all qualified applicants, especially women, aboriginal people, visible minorities, and persons with disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. This position is subject to budgetary approval. Anticipated start date is July 1, 1993.

Applicants should send curriculum vitae, list of publications, a brief summary of research plans, and the names and addresses of three referees to: Dr. H.C. Fibiger, Professor and Head, Division of Neurological Sciences, Department of Psychiatry, University of British Columbia, 2200 Wesbrook Mall, Vancouver, B.C. CANADA V6T 1Z3. Applications will be accepted until April 15, 1993.

POSTDOCTORAL POSITIONS
Molecular and Cellular Cardiovascular Biology Laboratories
Cardiology Division
Vanderbilt University School of Medicine

Postdoctoral positions are available for candidates with Ph.D. or M.D. degrees to begin study June 1993 and thereafter. Trainees will join an existing program in Molecular Cardiology. Opportunities are available in the following laboratories: Joey Barnett, Ph.D.—Role of peptide growth factors and their receptors in heart development; Allen Naftilan, M.D., Ph.D.—Gene regulation in vascular smooth muscle cells as related to cell growth and lineage development; Thomas Quertermous, M.D.—Transcriptional regulation in endothelial cells related to development and differentiation; and Yie-Teh Yu, Ph.D.—Role of cell specific transcription factors in myogenesis. Trainees will occupy new state-of-the-art research facilities, with access to a broad range of core facilities including a transgenic core. Solid training in molecular biology, cell biology, or developmental biology is required. Excellent opportunities for future advancement to tenure-track faculty positions are available. Interested candidates are invited to send curriculum vitae and names of three references to: Thomas Quertermous, M.D., Chief, Division of Cardiology, Vanderbilt University School of Medicine, Nashville, TN 37232-2170. Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.

A limited number of POSTDOCTORAL fellowships are available in 1993 in marine sciences, aquaculture, coastal and environmental sciences, biomed-}

The Swiss Federal Institute of Technology Zurich
Institute of Biotechnology

The ETH Zürich has recently appointed two new Professors in the Institute of Biotechnology who now seek collaborators and graduate students to participate in the research and teaching programs of the Institute. Current and future research projects include enzymatic and whole-cell biocatalysis of hydrocarbon oxidations, synthesis of biopolymers in bacteria and plants, characterization of key modifications of such biopolymers, genetic engineering of carbon and energy metabolism in industrial organisms, multistep fermentations and associated bioprocesses, genetics of glycosylation in cultured cells, advanced mathematical methods, and two-dimensional protein gel electrophoresis.

The Institute offers spacious, extremely well-equipped laboratories, sophisticated microchemical, bioreactor and computational facilities, and opportunities for interactions with many other excellent academic and industrial groups in Zürich. Positions are available for Ph.D. students (prior Diploma or MS studies or their equivalent preferred), postdoctoral researchers, and junior group leaders. Successful candidates will have extraordinary records of prior accomplishment, aptitude, and attitude with excellent references. Applicants with these qualifications are kindly requested to send a résumé and names, addresses and fax numbers of three references to:

Prof. Dr. James E. Bailey
Prof. Dr. Bernard Witholt
Institute of Biotechnology
ETH Hönggerberg
CH-8093 Zürich
Switzerland

ADVANCED DRUGS THROUGH PROTEIN ENGINEERING.

Khepri Pharmaceuticals, Inc. is an exciting, early-stage biotechnology company focused on the development and control of engineered recombinant proteases as human therapeutics. The Company is rapidly assembling a diversified team of outstanding scientists, and has immediate opportunities for degreed professionals who specialize in the following areas:

All positions require a Ph.D. or Post.D./M.D.

MOLECULAR BIOLOGIST

You must have proven expertise in the cloning, mutagenesis and expression of recombinant proteins. Post-doctoral training in biochemistry, molecular biology or a related field, and experience in cellular biology and protein chemistry are essential.

ENZYMOLYIST

You must have expertise in the mutagenesis, selection and characterization of enzymes with emphasis on structure/function relationships. Post-doctoral training in biochemistry or chemistry is required. Experience in enzymology and assay development is highly desirable.

CELL BIOLOGIST

As a key member of a multidisciplinary team, you will develop and implement enzyme assays and techniques in biochemistry and cellular physiology for the discovery and characterization of novel protease activities. Post doctoral training must include cell biology or biochemistry. Experience in the design and utilization of robotic systems is desirable.

In addition to a stimulating research environment in the San Francisco Bay Area, Khepri offers competitive salaries, excellent benefits and equity participation. For consideration, please submit your CV to: Deutsch, Shea & Evans, Inc., Confidential Reply Service Dept. 349, 601 Gateway Blvd., Suite 950, South San Francisco, CA 94080. EOE.

Khepri Pharmaceuticals, Inc.
Chief
Leader in Food Research for Australia

Package of around A$125,000
Division of Food Science and Technology, Sydney, Australia
Following a major external review of its food processing research, CSIRO is seeking to appoint an outstanding research leader and manager to lead its Division of Food Science and Technology. This Division is expected to play a leading role in providing a scientific basis for development of the Australian food industry.

The successful candidate will have:
• an outstanding record of research achievement and leadership,
• highly developed research management skills,
• a commitment to consultative planning of research,
• a commitment to the effective application of research results, and
• excellent communication skills.
A good understanding of the issues facing the Australian food industry and of the potential for R&D to enhance its international competitiveness would be a significant advantage. The ability to provide leadership in developing collaborative research programs with other Australian organisations would be highly regarded as would R&D experience in the food industry.

The Division of Food Science and Technology is one of six divisions within the CSIRO Institute of Animal Production and Processing. The Division's headquarters are in Sydney. Its other laboratories are in Brisbane and Melbourne. It has a total staff of about 270.
The Chief will be accountable to the Director of the Institute and responsible for the performance and strategic direction of the Division. The Chief will also represent CSIRO before industry, community leaders, the media and the public. The appointment will be for five years and will involve an annual performance contract between the Chief and the Director of the Institute. Alternatively, other employment arrangements can be negotiated.
The remuneration package for this position will be in the vicinity of A$125,000 including a salary component of not less than A$95,706. The package includes superannuation and provision of a private-plated motor vehicle.
More information on the position is available from Mr. John Baistow, Institute Manager (Resources), Ph: (61 2) 887 8253, fax (61 2) 887 8260. Interested applicants are invited to discuss this position with Dr. Alan Donald, Director of the Institute (Ph: (61 2) 887 8250).
The Director would also be interested in hearing from people who may be able to help identify suitable candidates for the position.
Written applications should be sent to: Dr. A.D Donald, Director, CSIRO Institute of Animal Production and Processing,
PO Box 93, NORTH RYDE NSW 2113, Australia by Friday, 5 March 1993.

National Institutes of Health
National Institute of Environmental Health Sciences
Research Triangle Park, North Carolina

Group Leader - Gene Mapping and Cloning

MISSION - The mission of the National Institute of Environmental Health Sciences (NIEHS) is to characterize the chemical, physical, and biological factors in the environment that can adversely affect human health. The study of the genetic predisposition of an individual in the response to environmental agents is an important component of this mission.

GENE MAPPING AND CLONING - A scientist is sought to lead a group in the study of genes involved in environmental diseases. The incumbent will map genes by a variety of genetic techniques and will isolate these genes by positional cloning and other methods. The incumbent will have the opportunity to collaborate with established NIEHS research programs involving the genetic basis of carcinogenesis, aging, and responses to environmental agents.

Salary, resources, and permanence will be determined by the qualifications of the candidate. The appointment has excellent compensation and benefit packages.

GENERAL REQUIREMENTS - All applicants must possess a Ph.D., M.D., or equivalent degree and two to five years postdoctoral experience. Applicants should have a doctorate degree in one of the following fields: genetics, molecular biology, cell biology, or related areas and show evidence of the ability to carry out independent research. U.S. citizenship is required for permanent positions. For more information contact: Dr. J. Carl Barrett, Chief, Laboratory of Molecular Carcinogenesis, NIEHS (919) 541-2992.

For prompt considerations, send a cover letter indicating area of interest, curriculum vitae, and three letters of reference by March 31, 1993 to:
Norma Daye
NIEHS Personnel Office (HNV59)
PO. Box 12233
Research Triangle Park, NC 27709

NIH is an Equal Employment Opportunity Employer
NIH is a Smoke Free Environment
The Section of Mass Spectrometry, Laboratory of Membrane Biochemistry and Biophysics, National Institute of Alcohol Abuse and Alcoholism, National Institutes of Health, Public Health Service invites qualified individuals to apply for fellowships for the study of **Phospholipid Metabolism and Remodeling** in neuronal tissues. The Section specializes in the study of **polysaturated phospholipids** in relation to their membrane function and metabolism. Metabolism of polysaturates in neuronal tissues via oxygenative pathways is also actively investigated. A unique opportunity exists for the successful applicant to participate in basic studies involving general elements of lipid biochemistry and clinical studies involving the biological basis of alcohol action in conjunction with our interdisciplinary group with expertise in modern instrumental techniques including HPLC, GC, UV and mass spectrometry. A background in lipid biochemistry is appropriate for this position. Applicants should be less than 7 years past the granting of a professional degree. The stipend range is from $25,000 to $60,000 depending upon experience and qualifications, and a relocation reimbursement and travel allowance may be available. Interested candidates should send a CV, a one-page description of relevant research interests and three letters of reference to Ms. Kathleen Hanratty, Personnel Management Branch, NIAAA, Building 31, Room 1B58, Bethesda, MD 20892.
POSITONS OPEN

POSTDOCTORAL RESEARCH CORNELL UNIVERSITY MEDICAL COLLEGE

Postdoctoral fellows to train in the disciplines of molecular biology, immunology, and virology while conducting research on the epidemiology of mycobacterial (Mtb, MAC), HIV, and protozoal (Cryptosporidium, Isospora, Leishmania) diseases. In addition to research training at Cornell, postdoctoral fellows may work with outstanding field site preceptors in Haiti or in Brazil. Candidates with an interest in basic and applied research in infectious diseases, immunology, and/or parasitology are encouraged to apply. Competitive salary and benefits. Send curriculum vitae and names of three references to: Warren D. Johnson, Jr., M.D., B.H. Professor of Tropical Medicine, Box II, 412 East Avenue, Ithaca, NY 14850-2401.

POSTDOCTORAL OR RESEARCH ASSOCIATE POSITIONS are available for studies of signal transduction and intracellular GTP binding proteins. The first position involves ongoing studies on the regulation of phosphatase NADPH oxidase and other cellular systems by Rac proteins, including regulation of Rac function by associated GAPS, GTPase, etc., and their interactions with other signaling pathways. The candidate should have a knowledge of protein purification techniques, mammalian cell culture, transfection, gene expression, etc., as well as a genuine interest in the cell biology and biochemistry of signal transduction. The second position will involve testing approaches to the question of R-G-E coupling in white blood cells. A strong background in molecular biology and knowledge of receptor-GTP protein signaling pathways is desirable. The candidate should be self-motivated and able to work, to some degree, independently. Salaries commensurate with experience. Contact: Dr. Gary M. Beckstead, Division of Human Anatomy and Biology, Suite 2150, MSB, 3600 South 1400 East, Salt Lake City, UT 84108. Telephone: (801) 581-8344; FAX: (801) 581-8348.

POSITIONS OPEN

RESEARCH ASSOCIATE in Medicine or Pharmacology needed by a Southwest Ohio university to carry out molecular pharmacological research of calcium channel as well as calcium channel antagonists in cardiovascular system. The position includes identification of the binding region for calcium channel antagonists, and the molecular characterization of the functional domains of the calcium channel. Performs common techniques of molecular biology (a) isolation of tissue and organ system, (b) DNA cloning, (c) DNA sequencing, (d) Northern and Southern hybridization, (e) polymerase chain reaction (PCR). Ad ajures experimental Ph.D. data utilizing computer program. Must have an M.D. or Ph.D. degree in Pharmacology. Must have one year of experience in perfusion, pharmacological research in calcium channel of cardiovascular system. Hours 8:30 a.m. to 5:00 p.m., Monday to Friday, 40 hours per week, $24,800 per year. Must have proof of legal authorization to work in the United States. Send resume in duplicate (NO CALLS) to: J. Davies, J#1230880, Ohio Bureau of Employment Services, F.O. Box 1618, Columbus, OH 43216.

The Environmental Defense Fund, a national not-for-profit environmental organization, seeks an ECOLOGIST or BIOGEOCHEMIST to fill the position of staff scientist in its New York office. Applicants should have interest and research experience in problems related to global environmental change. Applications will be accepted at the Master's or Ph.D. levels. Carbon cycle modeling, and experimental or modeling studies of terrestrial ecosystems are among the research areas of experience considered relevant. In addition, applicants should have an interest in the policy implications of research. Salary will range up to $42,500 commensurate with experience. Starting date is April 15, 1993, or later. Deadline for applications is February 15, 1993. Equal Opportunity Employer. Women and persons of color encouraged to apply. Resume and letter to: GAP Search Environmental Defense Fund 257 Park Avenue South, 16th floor New York, NY 10010

SCIENCE WRITER

Leading Pittsburgh academic medical center has an immediate opening for a qualified science writer with strong skills in project management, writing about clinical and basic research topics, and editing. Bachelor's degree and minimum of 5 years experience required; background in health care field and/or in the health care setting preferred. Competitive salary and benefits package. Please send resume and writing samples to: S.L. Environmental Health Sciences Graduate Program, University of Pittsburgh Graduate School of Public Health, 1345 S. 4th Street, Schenley, Pittsburgh, PA 15213.

HEALTH RESEARCH ANALYSTS

ECRI, a nonprofit health research agency, seeks persons with life science or clinical epidemiology training and a voracious reading ability to organize clinical literature and critique new health technologies. Excellent analytical and scientific writing skills essential. Send curriculum vitae to: Vivian Coates, Vice President, ECRI, 5200 Butler Pike, Plymouth Meeting, PA 19462.

HYDROLOGIST/ENVIRONMENTAL SCIENTIST, University of the South. The Department of Forestry and Geology invites applications for a three-year entry-level appointment, potentially convertible to tenure-track position, available fall 1993. The successful candidate will teach a field-oriented hydrology course, physical geography, and at least two of the following: soils, meteorology, climatology, and introductory environmental science. Other courses will be considered. We seek a broadly educated scientist committed to teaching within the liberal arts context, with an interest in or experience with multidisciplinary study. Position requires Ph.D. or Doctoral degree completion within three years of appointment. Salary range $18,000 to $22,000. Send curriculum vitae, undergraduate and graduate transcripts, three letters of recommendation, and a statement of teaching and research interests and experiences to: Donald B. Potter Jr., Department of Forestry and Geology, The University of the South, Sewanee, TN 37375 by February 15, 1993. Telephone: (615) 988-1479.

PLANT STRESS PHYSIOLOGIST

AQUATIC TOXICOLOGIST.—The Chesapeake Biological Laboratory (CBL) of the University of Maryland System's Center for Environmental and Estuarine Studies (CEES) seeks an aquatic toxicologist to fill a tenure-track position preferably at the ASSISTANT PROFESSOR level. Experience and research interests in mechanisms of action of chemical pollutants on marine organisms. Applicants must be able to design and conduct research on the effects of pollutants on growth, development, and physiology of marine organisms. CEES is located at the University of Maryland Eastern Shore, Easton, Maryland, and has special facilities for research in southern New England estuaries. Salary range is $17,500-$20,500 per year. Please submit statement of research interests, and the names of at least three references to: Dr. G. Roesijadi, Chair of Toxicologist Search Committee, CBL, Box 38, Solomon's, MD 20688.

Applications received before 1 March 1993 will be given full consideration. CEES welcomes and encourages applications from minority and women candidates.

PLANT STRESS PHYSIOLOGIST

STRESS PHYSIOLOGIST is being sought as principal research scientist at the USDA-Forest Service's Center for Forest Environment, Resources and Management, in Macon, Georgia. Individual will design and implement research dealing with plant response to environmental stress, with some emphasis on growth and yield in forest ecosystems. Stress effects will include effects of air pollution and plant response to environmental stress. Open: August 1993. Applications will be accepted until position is filled. Experience in environmental physiology, plant stress physiology, or a related discipline is desirable. Applications should be submitted in writing, including a statement of research interests, salary history, and any publications. Send applications to: Dr. A. E. Foster, Director, CEES, Box 257-4302, Asheville, NC 28802.

Applications will be accepted until position is filled. Experience in environmental physiology, plant stress physiology, or a related discipline is desirable. Applications should be submitted in writing, including a statement of research interests, salary history, and any publications. Send applications to: Dr. A. E. Foster, Director, CEES, Box 257-4302, Asheville, NC 28802.
POSITIONS OPEN

POSTDOCTORAL POSITION available to study the development and regulation of liver and intestinal transport mechanisms. The research involves the use of both biochemical and molecular biological techniques. NIH-supported training or equivalent U.S. citizenship or permanent residency required. Contact: Frederick J. Sachy, M.D., Department of Pediatrics, Yale Medical School, 333 Cedar St., New Haven, CT 06510. Telephone: (203)785-4649. Equal Opportunity/Affirmative Action Employer.

NEUROSCIENTIST: The Anatomy Department, School of Veterinary Medicine, Purdue University, invites applications for a tenure-track faculty position (ASSISTANT/ASSOCIATE) in neuroanatomy/neuroscience starting 1 July 1993. Applicants should have a Ph.D. degree with at least two years postdoctoral experience and have expertise in both biochemical and molecular approaches to problems in neuropharmacology; a focus on neurotoxins is desirable, but other areas will be considered. Applications should be sent to: Frederick J. Sachy, M.D., Chair, Search Committee Chair, Department of Anatomy, School of Veterinary Medicine, Purdue University, West Lafayette, IN 47907–1242. Closing date for this position is March 1, 1993 or until filled. Purdue University is an Equal Opportunity/Affirmative Action Employer.

NEUROSCIENCE: The UNIVERSITY OF PITTSBURGH Department of Pharmacy and Therapeutics invites applications for a tenure-track position at the ASSISTANT OR ASSOCIATE PROFESSOR level. The ideal candidate should possess the Ph.D. degree with at least two years postdoctoral experience and have expertise in both biochemical and molecular approaches to problems in neuropharmacology; a focus on neurotoxins is desirable, but other areas will be considered. Applications should be sent to: Patricia D. Kroboth, Ph.D., Department of Pharmacy and Therapeutics, University of Pittsburgh, Pittsburgh, PA 15261. The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.

ARNOLD RESEARCH FELLOWSHIPS

The Arnold Arboretum of Harvard University announces the availability of research appointments and support (Putnam or Mercer Fellowships, Arnold Arboretum Associates, Deland Awards) of variable, renewable duration for sound research projects utilizing the landscape (335 acres), the library (260,000 volumes), herbarium (2,600,000 specimens) and living (5,000 taxa) collections of the Arnold Arboretum. The number of awards each year will depend upon the availability of funds. Applications should include a letter of introduction briefly describing the proposed project and prior contacts with Harvard or other faculty, and a resume listing three references. Send by 1 March 1993 to: Dr. Robert E. Cook, Director, Arnold Arboretum, 125 Arborway, Jamaica Plain, MA 02130. For information, telephone: 617-524-1718.

STAFF ASSOCIATE. Available immediately to join the Immunogenetics Division with interests in transcriptional control in HLA and/or lymphocyte differentiation antigens. Requirements are a B.S. degree, and 4 years of experience in immunogenetics and cell biology, immunology. Send curriculum vitae and bibliography to: Dr. Nicola Succo-Foca, College of Physicians and Surgeons of Columbia University, Department of Pathology, PHS 14–401, 630 West 168th Street, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

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GILEAD SCIENCES

SANDOZ PROFESSORSHIP IN NEUROSCIENCE
THE OHIO STATE UNIVERSITY
COLLEGE OF MEDICINE

Applications and nominations are invited for an endowed, tenure-track position at the Associate or Full Professor level in the College of Medicine Neuroscience Program. The primary criterion for appointment will be research excellence in molecular, cellular, or systems neuroscience with applications to neurological and/or behavioral disorders; holders of the M.D. or Ph.D. are eligible, and primary appointment may be made in either a basic science or clinical department in the college.

The College of Medicine has strengths in a number of areas in neuroscience, and a commitment to enhancing both clinical and basic neuroscience. Center grants provide support in neuro-oncology, psychoneuromunology and spinal cord injury. The campus-wide Neuroscience Graduate Studies Program includes 80 faculty members with research interest including developmental neurobiology, regeneration and plasticity, biochemical neuropathy, neuro-oncology, CNS transplantation, GI neurophysiology, neural control over homeostasis, neuropharmacology, psychobiology, psychoneuromunology, brain imaging, neurotrauma, neuromuscular diseases, movement disorders, Alzheimer's disease, and neurobiology of schizophrenia and affective disorders. In addition, molecular neurobiology is one of the major emphases of the newly created Biotechnology Center on campus.

The Ohio State University is a major research institution with undergraduate colleges, and the graduate and professional colleges (including medical, dental, veterinary, allied medical, and pharmacy) located on the same campus. Physical facilities are excellent, and the Columbus metropolitan area offers diverse cultural and employment opportunities to its 1.4 million inhabitants.

Applications, including a curriculum vitae and the names of 3-5 references should be sent to:
Dr. Michael S. Beattie, Department of Cell Biology, Neurobiology & Anatomy, 4072 Graves Hall, 333 West 10th Ave. The Ohio State University, Columbus, OH 43210 by March 1, 1993. Phone: 614/292-4831 or 614/292-1781.
The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era Veterans, disabled veterans and the disabled are encouraged to apply.

NATIONAL INSTITUTE ON AGING
NATIONAL INSTITUTES OF HEALTH
Senior Staff Fellow Position
Neuropharmacology/Neuropsychology

The Laboratory of Neurosciences, Public Health Service, seeks a qualified neuropsychologist for a Staff Fellow/Senior Staff Fellow position dedicated to clinical pharmacology in relation to aging and therapy of Alzheimer's disease. Responsibilities include writing clinical drug protocols and applying cognitive and physiological measures and functional brain imaging (positron emission tomography) to evaluate mechanisms and effectiveness of drug action in the central nervous system. A Ph.D. in neuropsychology or cognitive neurosciences and research experience in clinical pharmacology are required. The position is located at the NIH campus in Bethesda, Maryland, in the laboratory directed by Dr. Stanley Rapoport. Salary is commensurate with experience. Applicants should send a current curriculum vitae and a letter discussing research interests and experience to:
James V. Haxby, Ph.D.
Laboratory of Neurosciences
National Institute of Aging
National Institutes of Health
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9000 Rockville Pike
Bethesda, MD 20892
FAX: 301-402-0595

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Gwen Knapp Center for Lupus and Immunology Research
The University of Chicago

The Gwen Knapp Center for Lupus and Immunology Research of the University of Chicago is seeking applicants at the Assistant, Associate, and Full Professor levels to join the newly formed Center. The Center is committed to developing a strong program in molecular immunology. We are seeking outstanding individuals who are using the approaches of molecular biology and cell physiology to examine basic immune mechanisms and/or disorders such as signal transduction, gene regulation, and antigen processing. Existing immunology programs at the University of Chicago include: lymphocyte development, B and T cell activation, antigen presentation, tumor immunology, transplantation, and autoimmunity. Candidates should have sufficient research experience to demonstrate both significant accomplishment and outstanding promise. Faculty appointments will be tenure-track in the most appropriate academic department where the candidate will be expected to exercise full membership. New state-of-the-art laboratory space will be located within the Institute for Molecular Medicine which is now being formed. This Institute will also house programs in molecular oncology, vascular biology, human genetics, and neurobiology. Letters of application including curriculum vitae, bibliography, a brief statement indicating research interest, and the names of 3 references should be sent to: Dr. Craig B. Thompson, Director, Gwen Knapp Center for Lupus and Immunology Research.

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Chairman
Department of Cell and Developmental Biology

The University of Pennsylvania School of Medicine seeks outstanding candidates for the position of Professor and Chairman of the Department of Cell and Developmental Biology. The successful applicant will be of international stature in his/her chosen area of research and will be able to provide academic leadership in the broadly defined areas of cell biology and development. Applicants should have demonstrated qualifications in education and administration. The University is an equal opportunity affirmative action employer. Women, minority and international candidates are encouraged to apply. Letters of interest, CV, and names of references should be sent to:

Robert L. Borch, M.D., Ph.D.
Chairman, Cell and Developmental Biology Search Committee
University of Pennsylvania
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218 Stemmler Hall
Philadelphia, PA 19104-6074

Postdoctoral Fellow
Biomedical Engineering

Biotechnology Division — Hopkinton, MA

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We require a recent PhD level graduate from an Engineering discipline such as electrical or mechanical design. Candidates with a strong background in biomedical or biochemical engineering are preferred. Proficiency in several programming languages such as C, Windows operating system and Labtech Notebook is required. Experience in the interfacing of instruments and software is essential.

Failure Analysis Associates, Inc. offers a comprehensive compensation and benefits package. For confidential consideration, please send your resume to: Vernetta Wilson, Reg. #167, Human Resources Dept., Failure Analysis Associates, Inc., P.O. Box 3015, Menlo Park, CA 94025, FAX: (415) 328-3049. FaAA believes in a safe work environment and requires a pre-employment physical. EOE.
DEPARTMENT OF BOTANY
University of British Columbia

The Department of Botany at the University of British Columbia is seeking applications to fill a tenure-track position in VASCULAR PLANT SYSTEMATICS. Preference will be given to persons using multidisciplinary approaches in relating systematics to population biology, biodiversity theory and conservation biology. The successful applicant will be expected to contribute to a new initiative in Biodiversity Research at UBC.

Candidates for this position must have a Ph.D. degree and published evidence of research ability. The successful candidate will develop a vigorous research program, be an enthusiastic and competent teacher, and contribute to teaching introductory and upper-level botany/biology courses.

The expected date of appointment is January 1, 1994 (or as negotiated). Application deadline is March 1, 1993. Applicants should send curriculum vitae, selected reprints, a statement of research interests, and have at least three letters of reference sent to: David H. Turpin, Professor and Head, Department of Botany, University of British Columbia, #3529-6270 University Boulevard, Vancouver, B.C. CANADA V6T 1Z4. In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. U.B.C. welcomes all qualified applicants, especially women, aboriginal people, visible minorities, and persons with disabilities. The position is subject to final budgetary approval.

MARINE INVERTEBRATE BIOLOGIST

The Biology Department, University of Massachusetts Dartmouth (UMD), seeks applications for a tenure-track position in Marine Invertebrate Biology. Candidates whose research uses a molecular approach to marine ecology or evolutionary biology will be given special consideration. The position requires a Ph.D. and is open for fall 1993. The successful candidate will be expected to teach courses at the undergraduate and graduate level of instruction and develop an active research program. The Biology Department at UMD offers an M.S. in Biology and Marine Biology, and is expected to offer the Ph.D. in Marine Sciences in the near future. Applicants should send curriculum vitae, and include the names, addresses and telephone numbers of three referees to: Dr. LeBaron C. Colt, Chair, Biology Department, University of Massachusetts Dartmouth, North Dartmouth, MA 02747; (Telephone: 508-999-8230 or 8208; FAX: 508-999-8901). Applications will be accepted until March 30, 1993. The University of Massachusetts Dartmouth is an Affirmative Action Institution and Equal Opportunity Employer. Women and minorities are strongly encouraged to submit applications.

ECOLOGIST/GIS SPECIALIST

World Wildlife Fund (WWF-US), seeks ecologist for its Conservation Science Management team to manage and coordinate the use of GIS, especially the use of relational databases for conservation planning and analyses. Position requires advanced degree in a natural resources field, three years experience with relational databases, and excellent ability to interface between users and GIS; proficiency with UNIX preferred; tropical experience desirable. This is a one-year contract position; extension expected. Send cover letter, resume, and names of three references by February 1, 1993 to: WWF, Human Resources Department, F-1, 1250 24th Street, N.W., Washington, D.C. 20037. Affirmative Action/Equal Opportunity Employer.

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School of Medicine

New Orleans

Applications are being accepted for the newly created interdisciplinary Ph.D. Training Program in Neuroscience. Intensive training in neuroscience provided by this program reflects the breadth of research programs of the faculty, which spans both behavioral neuroscience and molecular neurobiology, ranging from genes, to cells, to human behavior. Generous stipend support is available on a competitive basis. Highly qualified individuals should send inquiries to: Nicholas G. Razan, M.D., Ph.D. or R. Ranney Mize, Ph.D., Co-Directors of the Interdisciplinary Ph.D. Program, c/o LSU Neuroscience Center of Excellence, 2020 Gravier Street, Suite B, New Orleans, LA 70112; FAX: (504) 568-5801. Equal Opportunity/Affirmative Action Employer.

MEETINGS

The 1993 Conference on Implantable Auditory Prostheses will be held July 11–15, 1993 in Smithfield, Rhode Island, USA. The program will comprise invited presentations by leading cochlear implant researchers, and informal presentation of contributed papers and posters. For further information contact: Irma Nieves, House Ear Institute, 2100 West Smithfield, Los Angeles, CA 90067; FAX (USA): 213-413-0950.

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