PERSONNEL PLACEMENT

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- Deadlines: Ads are due by Thursday, 10 a.m., 2 weeks prior to the issue date. Science is published each Friday, except the last Friday of the year. Call for holiday deadlines. Advertisements must be submitted in writing.

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  Washington, DC 20005
  Telephone: 202-326-6555
  FAX: 202-682-0816

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Telephone: 202-326-6541

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CONDITIONS: Personnel advertising is accepted only with the understanding that the advertisers do not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, handicap or sexual preference. The AAAS encourages employers to add Friday, Saturday and Sunday to the proper advertising day. Applicants who are underrepresented minority groups. Science reserves the right, at its discretion, to decline to publish advertisements submitted to it.

ASSISTANT PROFESSOR HEMATOLOGY/ONCOLOGY

The Division of Hematology/Oncology at the University of Arkansas for Medical Sciences/Arkansas Cancer Research Center/John L. McClean Veterans Administration Medical Center is searching for an assistant professor with demonstrated research and clinical expertise in lung cancer, multiple myelomas and bone marrow transplantation. Significant research background in gene therapy, cytokines, and Phase II/III range in protocols and clinical trials described in 10,000 range. Applications should be directed to: Bart Barlogie, M.D., FACP, Professor of Medicine and Pathology, Director, Division of Hematology-Oncology and Director of Research, Arkansas Cancer Research Center, Veterans Administration Medical Center, 4301 West Markham, Mail Slot 508, Little Rock, AK 72205-9985, telephone: 501-686-5221, FAX: 501-686-9165. The University of Arkansas is an Equal Opportunity Employer.

CATHERINE J. ISLIP, M.D.

QUANTITATIVE FISHERIES MANAGEMENT APPLIED BIOSTATISTICS

The Department of Marine Biology in the College of Geosciences and Maritime Studies of Texas A&M University at Galveston invites applications for a 9-month, tenure-track ASSISTANT PROFESSOR faculty position in quantitative fisheries management/ applied biostatistics to begin August 1992. Applicants should have a broad background in population dynamics, experimental design/biostatistics, and/or computer modeling for application to living marine resource management. Persons employed by the marine biophysical and/or management analyses are encouraged to apply. The successful applicant is expected to teach courses in fish population/community dynamics, fisheries management and biostatistics; develop a vigorous, externally funded research program; direct graduate students; and provide statistical/modeling expertise. A joint appointment may be available to the successful applicant in the Department of Wildlife and Fisheries Science and/or Oceanography on the Texas A&M University campus at College Station. Applicants should send curriculum vitae, one-page descriptions of research and teaching goals, copies of research papers or manuscripts, and names, addresses, and telephone numbers of three references to: Dr. Randall Davis, Department of Marine Biology, Texas A&M University at Galveston, P.O. Box 1675, Galveston, TX 77553, by May 31, 1992. This position is contingent upon approval of funding for the fall 1992 academic budget. An Equal Opportunity/Affirmative Action Employer. A part of the Texas A&M University System.

UNIVERSITY OF TEXAS MEDICAL BRANCH (UTMB) AT GALVESTON SCHOOL OF ALLIED HEALTH SCIENCES

Applications are invited for an ASSISTANT PROFESSOR tenure-track position commencing 1 September 1992. The positions teaching human physiology and research in any area of physiology. Candidates must be strongly motivated toward research and committed to teaching at the undergraduate level. Candidates should send a letter of application, curriculum vitae, and the names and addresses of three references to: Professors Search Committee, Humanities and Basic Sciences, School of Allied Health Sciences, Route 128, University of Texas Medical Branch, Galveston, TX 77550. UTMB is an Equal Opportunity/Affirmative Action Employer M/H/V. UTMB hires only individuals authorized to work in the United States.

NEUROSCIENTIST

Applications are invited for up to two tenure-track positions at the ASSISTANT/ASSOCIATE PROFESSOR ranks for neuroscientists with strong interests in studying vertebrate neural development, regeneration, or synaptic plasticity. The candidates should have demonstrated experience in modern cell or molecular biological methods and should be interested in collaborating with other members of an interactive group studying mechanisms of neural plasticity including growth and recovery of function after spinal cord injury.

Curriculum vitae and three names of references should be sent to: Dr. J. S. B. L. Stewart, Department of Anatomy and Neurobiology, Medical College of Pennsylvania, 3200 Henry Avenue, Philadelphia, PA 19129. We are an Equal Opportunity/Affirmative Action Employer.

ECOLOGISTS

ASSOCIATE OR ASSOCIATE SCIENTISTS

The Joseph W. Jones Ecological Research Center at Ichauway invites applications for three positions as assistant or associate scientists in ecology and natural sciences.

1. AQUATIC ECOLOGY. To conduct biological or biogeochemical studies of disturbed and undisturbed wetlands and riverine ecosystems to potentially include faunal communities, biogeochemical processes and water quality, carbon dynamics, or coarse woody debris.

2. LANDSCAPE ECOLOGY. Landscape level studies of disturbed and undisturbed ecosystems to potentially include aspects of biotic community diversity, patch dynamics, ecosystem processes or other approaches with GIS and remote sensing.

3. SILVICULTURE/FOREST ECOLOGY. To conduct biological, ecological, and management research on longleaf pine ecosystems and on ecological restoration.

The scientists will develop specialty research programs (internal 67%, extramural 33%) as well as cooperative, multidisciplinary long-term research. Responsibilities include research (80%) and education (20%), and adjunct university appointments will be encouraged and facilitated. Qualifications include a Ph.D. in ecology, biology, natural resources or a related field. Also required is post-doctoral experience, strong communication skills, experience with acquiring grants, and new research directions that combine basic and applied research perspective.

The Joseph W. Jones Ecological Research Center is a 6,000-acre independent institute funded by the Robert W. Woodruff Foundation. The Center is located at Ichauway, a 28,000-acre experimental reserve in south-west Georgia, near Albany, with 16,000 acres of longleaf pine forests, 900 acres of limesink wetlands, and 26 miles of rivers.

The objective of the center is to develop a program of excellence in ecology and natural resource science that includes research, education and conservation goals. The center will build toward a target size of 10 to 12 scientists, their students and a new administrative site management and support personnel.

Compensation is commensurate with experience, including a solid benefits and retirement program. Letters of application, resumes, and names of three references should be mailed by 25 May 1992 to: Dr. Lindsay Ross Boring, Director, Joseph W. Jones Ecological Research Center, Ichauway, Route 2, Box 1675, Newton, GA 31770 (FAX: 912-734-4707).

RESEARCH ASSISTANT/ASSOCIATE PROFESSOR IN ENDOCRINOLOGY. Ph.D. with several years of postdoctoral molecular biology experience is desired to coordinate and supervise a new interdepartmental research program in diabetes and obesity. The candidate must have outstanding independent research capabilities, become involved in the training of fellows and technicians, conduct collaborative research and initiate his/her independent research. We offer a competitive salary and benefits package.

Please send curriculum vitae, summary of present research interest and two letters of reference to: Dr. Jose F. Caro, Chairman, Department of Medicine, Jefferson Medical College, 1025 Walnut Street, Philadelphia, PA 19107.

An Equal Opportunity/Affirmative Action Employer.

ASSISTANT AND ASSOCIATE PROFESSORS

The Department of Biochemistry at the University of Kentucky has a tenure-track position open at the assistant and associate professor level to pursue independently funded research and to participate in departmental teaching activities. Research in the area of interest include, but are not limited to, molecular biology, structural biology, and neurochemistry. Faculty have access to core research facilities provided for state-of-the-art biological research. Members of the department may hold joint appointments in the Sanders Brown Research Center on Aging or the University of Kentucky Cancer Center. Interested persons should submit their curriculum vitae, a summary of research interests, and the names of at least three references. Faculty Committee, Department of Biochemistry, University of Kentucky Medical Center, Lexington, KY 40536-0084. An Equal Opportunity/Affirmative Action Employer.
WOMEN IN SCIENCE
March 13 Reprint

This first-time special section, reprinted from the March 13 issue of Science, takes an in-depth look at women in science.

This section explores:

Women’s Progress in Science
Career Advancement
Networking
Mentoring
Two Career Couples in Science
Women’s Progress in Mathematics,
Chemistry, and Life Sciences

Also included are profiles of women "who have made it" in science, as well as valuable insights on the key to their success.

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VETERINARY SCIENCES TRAINER

The Bristol-Myers Squibb Pharmaceutical Research Institute is the R&D Division of Bristol-Myers Squibb, a worldwide leader in the discovery and development of pharmaceuticals. We currently have an exceptional opportunity available in the Veterinary Sciences Department at our Princeton, NJ facility.

• This position, under the supervision of Dr. Dennis Stark, will develop new programs of education and training for scientists, research technicians and laboratory animal technicians. Responsibilities will include management and participation in a major training program, plus the creative enhancement of that program with current educational techniques and materials. Position will be based in Princeton, but requires at least monthly travel to research facilities in other states.

Candidates should have postgraduate training in adult education, 5 years of experience as a trainer and a background working in a biomedical research environment. Formal education in a biological science and AALAS certification is preferred.

For consideration, please forward your resume to:

Bristol-Myers Squibb Pharmaceutical Research Institute, Human Resources Dept. 318-A-JH, P.O. Box 4000, Princeton, NJ 08543. Equal Opportunity Employer, M/F/D/V.

Bristol-Myers Squibb Company

Staff Scientist
Molecular Cell Biologist

The Immunocytometry Systems Division of Becton Dickinson develops and markets, on a worldwide basis, sophisticated flow cytometry instruments and reagent systems used for cell analysis.

We currently have an opportunity available for a cell biologist to perform DNA probe analysis of HIV infected cells. Requires a PhD or MD in cell or molecular biology or related discipline and 2+ years' post-doctoral experience or equivalent. Flow cytometry or in situ hybridization experience a plus.

Come join us in our state-of-the-art facility which includes an on-site fitness center. We offer competitive compensation and a comprehensive benefits package which includes tuition reimbursement, retirement and 401(k). Send your resume to Becton Dickinson Immunocytometry Systems, Professional Staffing, Dept. CA-SM, 2350 Qume Drive, San Jose, CA 95131-1807. An Equal Opportunity Employer. Committed to Workforce Diversity.

BECTON DICKINSON

Neuropharmacologists

Cephalon, Inc. seeks four research scientists to join interdisciplinary programs to develop therapeutic approaches to neurodegenerative diseases.

Ph.D. Molecular Pharmacologist
Successful candidate will apply molecular techniques to discover therapeutics for Alzheimer's disease. Requires 2-5 years post-doctoral training in in vivo CNS pharmacology, molecular biology experience also preferred. Reference #109

Ph.D. Behavioral Pharmacologist
Requires 2-3 years post-doctoral experience with rodent models of cognitive function. Previous experience with Morris water or radial maze is desired. Reference #186

B.S./M.S. Pharmacologists
Requires experience with animal handling and electrophysiological or histological techniques. Reference #173

Cephalon offers an interactive, stimulating research environment and new, extensive laboratory facilities in the Philadelphia suburbs. Send CV with 3 references to: Science Ad, Cephalon, Inc., 145 Brandywine Parkway, West Chester, PA 19380.

Cephalon, Inc.
Equal Opportunity Employer
Invitation for Applications

Procter & Gamble Pharmaceuticals, which has been committed for more than 20 years to the study of diseases associated with bone metabolism, supports the pursuit of a pharmacologic solution to osteoporosis with its University Grant Program for Osteoporosis Therapies and invites grant applications from those wishing to conduct such research.

Millions of Americans suffer from osteoporosis, a chronic disease characterized by low bone mass and a deterioration of bone tissue that leads to increased bone fragility and risk of fracture. The complexity of the disease process and the characteristic absence of symptoms in the disease's early stages challenge those seeking a pharmacologic solution to this growing problem.

One grant of up to $250,000 will be awarded in the fall of 1992. The grant may be renewed for 2 years thereafter, for a total of 3 years. Submission date for completed applications is July 1, 1992.

Applications will be evaluated by an internal review panel and an external advisory panel, both of which will consist of experts in the field of bone metabolism. Funding will be considered only for research proposals directly related to the discovery of new drugs/therapies for osteoporosis.

To be eligible, individuals must have an advanced degree (M.D., Ph.D., or the equivalent) and be conducting research at a university, teaching hospital, or nonprofit research center in the United States.

Requests for information or application materials can be made by writing to Dr. Susan M. Kaas at the following address:

Susan M. Kaas, Ph.D.
Procter & Gamble Pharmaceuticals
University Grant Program for Osteoporosis Therapies
Woods Corners, Route 320
Norwich, New York 13815
Telephone Number: (607) 335-2944
Telefax Number: (607) 335-2098
The quality of R&D depends on the quality of the resources.

As part of Schering-Plough’s Safety Evaluation Center, you will be a senior staff member in General Toxicology participating in drug safety activities supporting all of our pharmaceutical product registrations. Your responsibilities will include the definition of project requirements, overseeing SEC and contract projects, interpretation of results and preparation of written reports. You will serve as a staff consultant on toxicology issues and represent Drug Safety on a corporate-wide therapy team.

The successful candidate will possess a Ph.D. in Toxicology or related discipline, board certification in toxicology and at least 8 years relevant experience in industrial pharmaceutical toxicology. Effective written and verbal communication skills are essential. Desirable work experience includes interaction with government regulatory authorities, leadership for multidisciplinary tasks and participation in mechanistically oriented research.

We offer highly competitive salaries and an excellent benefits package. Please send resume to: Mr. William Decker, Schering-Plough Research Institute, 60 Orange Street, Bloomfield, NJ 07003. We are an equal opportunity employer.

The science of success

Schering-Plough Research Institute

Industrial Microbiologist

Solvay Enzymes, Inc., an innovative world leader in Industrial Enzymes Products, has an opening for a challenging career opportunity at our state-of-the-art Technical Center located in Elkhart, Indiana.

Applicants are invited to join an ongoing biotechnology program aimed at developing novel fermentation technology for bulk and specialty enzymes. The successful candidate will be responsible for the design and development of new screening techniques for biologically active proteins and also will be working in the fermentation engineering program. The position requires a Ph.D. in Microbiology with 2+ years of experience or an M.S. with 5 years of experience in industrial microbiology.

We offer an excellent benefit package, including 401K, pension, health and welfare plans. Qualified and interested candidates should send curriculum vitae and name and address of three references to:

Personnel Manager
Solvay Enzymes, Inc.
Dept. M-23
P.O. Box 4859
Elkhart, IN 46514-0859

Harvard Medical School
Professor and Head of Department of Cell Biology/Physiology

The Harvard Medical School is seeking to fill a Professorship and Head of a new Department of Cell Biology/Physiology. The successful candidate will be responsible for the recruitment of faculty in the discipline of cell biology, for coordinating the activities and appointments of the Department, for fostering the career development of the members of the Department, and for assuring that members of the Department participate in teaching activities for medical students, graduate students, and postdoctoral fellows. Candidates should have a vigorous scientific leadership in cell biology, as demonstrated by their scientific accomplishments, international recognition, and firm sense of the opportunities and challenges they are facing.

The Department of Cell Biology at Harvard Medical School (HMS) is an active and highly competitive department with a strong record of productivity. Opportunities are available for the development of research programs in a variety of areas, including the study of nutrient transport, metabolism, signal transduction, and membrane structures. The successful candidate will be expected to have a strong record of research productivity. Applications are encouraged from individuals with research interests in any areas related to cell biology, and candidates will be expected to have a strong interest in the development of new research programs.

Applicants should send a curriculum vitae and statement of research interests, to: Dr. Philip Leder, Head Department of Genetics, Harvard Medical School, 25 Shattuck St., Boston, MA 02115. Harvard Medical School is an Affirmative Action/Equal Opportunity Employer. Qualified female and minority applicants are encouraged to apply.

The science of success

Schering-Plough Research Institute

Harvard Medical School
Department of Pathology

The Department of Pathology at Harvard Medical School seeks well-qualified (Ph.D., M.D./Ph.D., or M.D.) applicants for several positions of ASSISTANT PROFESSOR, as part of an expansion of a basic research program in tumor biology. Candidates should have completed 3 to 5 years of relevant postdoctoral experience and have the capability of directing an independent research program in an academic setting in the areas of cell cycle control, transcriptional regulation, tumor suppressor genes, and signal transduction as they relate to cancer biology and viral oncology. Candidates are expected to participate in the teaching activities of the department for medical students, graduate students, and postdoctoral fellows. Recent renovated laboratory research space will become available in July 1993. Applicants should send their curriculum vitae, a statement of research interest, and the names of three references to: Mrs. Laura Weisel, Department of Pathology, Harvard Medical School, Building D2, 6th Floor, 200 Longwood Avenue, Boston, MA 02115. Harvard Medical School is an Equal Opportunity/Affirmative Action Employer.

B.S. and Minorities are encouraged to apply.

DEPARTMENT OF PHYSIOLOGY

The University of California, San Francisco, seeks applicants for a position of ASSISTANT or ASSOCIATE PROFESSOR in research in the Department of Physiology. The person we seek will have as his major responsibility the supervision and teaching of a course in mammalian physiology. The candidate will also carry out an active independent research program in physiology, and will participate in the training of graduate students. Evidence of highly successful teaching experience in mammalian physiology will be essential. Applications should include curriculum vitae, statements of teaching experience and research interests, reprints of selected publications, and the names of three individuals who have been asked to submit reference letters. Women and minorities are encouraged to apply. Applications should be submitted by 30 June 1992. Applications should be sent to: Dr. Mary Dallman, Chair, Search Committee, Department of Physiology, Box 0444, University of California, San Francisco, CA 94143-0444. University of California, San Francisco, is an Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF SOUTHERN CALIFORNIA

TECHNOLOGY TRACK FACULTY POSITIONS (CELL-BIOLOGISTS, MOLECULAR BIOLOGISTS, IMMUNOLOGISTS)

Applications are invited for ASSISTANT/ASSOCIATE PROFESSOR positions in the Department of Pharmaceutical Sciences, School of Pharmacy. Outstanding candidates with new cell biology, molecular biology, or immunology related to drug targetting are invited to apply. Applicants must possess a Ph.D. degree in the biological, chemical, or pharmaceutical sciences. Participation in teaching at both the undergraduate and graduate levels is required. Please submit curriculum vitae, selected reprints, a short statement of future research plans, and the names and addresses of three references by 29 May 1992 to: Vincent H. L. Lee, Ph.D., University of Southern California, John Stauffer Pharmaceutical Sciences Center, 1985 Zonal Avenue, Los Angeles, CA 90033–1086. Telephone: 213–342–3269. Equal Opportunity Employer M/F/H.

FACULTY POSITIONS IN PHYSIOLOGY

The Department of Physiology at Loyola University Chicago, Stritch School of Medicine, is seeking applicants for several ten-ure-track positions at the ASSISTANT, ASSOCIATE OR FULL PROFESSOR LEVEL. Applicants must have a Ph.D., M.D. or equivalent and are expected to have the ability to establish a strong research program. Senior applicants should have a strong record of research productivity. Applications are especially encouraged from individuals with research using molecular, cellular or biophysical approaches in the study of ion channels/membrane transport or signal transduction or E-C coupling in smooth, cardiac or skeletal muscle. Send letter, curriculum vitae including research plans and names of three references to: Donald M. Berg, Ph.D., Chairman, Department of Physiology, Loyola University Chicago, 2160 First Avenue, Maywood, IL 60153. Loyola is an Equal Opportunity/Affirmative Action Employer.
ASSISTANT OR ASSOCIATE PROFESSOR

The Department of Pathobiology in the School of Public Health and Community Medicine at the University of Washington announces four to six immediate faculty position openings at either the assistant or associate professor level. Positions require an M.D. or Ph.D. with an established record of independent research as demonstrated by peer-reviewed publications and/or competitive grant proposals. We are seeking individuals with five or more years of postdoctoral experience in molecular biology or immunology of parasites, or other pathogens of public health importance. These individuals will establish an independent research program utilizing host-pathogen interactions or pathogen-specific processes and participate in collaborative research projects to develop new diagnostics, vaccines and investigate fundamental molecular and immunological processes relevant to pathogenesis.

The successful candidates are also expected to participate in teaching and precepting graduate students in the department. Applicants should send a letter of interest, curriculum vitae, and names and addresses of a minimum of four references to: George J. Todaro, M.D., Chair, Search Committee, Department of Pathobiology, SC-38, University of Washington, Seattle, WA 98195.

The application deadline for these positions is 1 June 1992.

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

FACULTY POSITIONS

DRUG METABOLISM-CARDIOVASCULAR PHARMACOLOGY-MOLECULAR PHARMACOLOGIST

The Center for Clinical Pharmacology, Departments of Medicine and Pharmacology, is recruiting individuals for appointment to tenure-track positions at the INSTRUCTOR/ASSISTANT PROFESSOR/ASSOCIATE PROFESSOR levels. The center is an interdisciplinary group of clinical and basic investigators whose research aims to elucidate mechanisms of drug action, especially in humans. Current research programs focus on xenobiotic disposition, ion channel physiology and pharmacology, hypertension and the autonomic nervous system, and eosinophil biology. Successful candidates will have an M.D. or Ph.D. in pharmacology, biochemistry, toxicology or related discipline, and demonstrated excellence in research. Appointees will be expected to establish independent research programs which use contemporary methods of investigation of basic molecular mechanisms as they apply to broadly defined problems of drug action, and will be expected to develop effective collaborations with other center faculty members. Send applications, including curriculum vitae, a letter stating research interests, and the names of three references to: Dan M. Reden, Director, Division of Clinical Pharmacology, Vanderbilt University, Nashville, TN 37232-6602.

Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.

SPINAL CORD NEUROPLASTICITY. ASSOCIATE OR FULL PROFESSOR. Department of Anatomy and Neurobiology, Medical College of Pennsylvania. Applicants are sought for a tenure-track position. The department seeks an individual with a proven record of research into mechanisms of recovery of function after spinal cord injury, with an emphasis on behavioral methods. The candidate should be interested in collaborating with other members of an active group that uses transplantation, cell culture, and molecular approaches to improve methods for obtaining recovery of function. Curriculum vitae and three names of reference should be sent to: Marion Murray, Department of Anatomy and Neurobiology, Medical College of Pennsylvania, 3200 Henry Avenue, Philadelphia, PA 19141. We are an Equal Opportunity/Affirmative Action Employer.

MAMMALOGIST/VERTEBRATE MORPHOLOGIST. Temporary sabbatical replacement, three academic quarters, beginning 1 September 1992. Includes teaching introductory biology, comparative anatomy of vertebrates, mammalogy. Applicants must have a Ph.D. Send letter of application, curriculum vitae, transcripts, names and telephone number of three references to: Dr. H. Collins, Department of Biology, University of Minnesota, Duluth, MN 55812-2496. Postmark deadline is 22 May 1992. The University of Minnesota is an Equal Opportunity Educator and Employer.

Bone Cell Biologists

Solve the equation for success.

The Central Research Division of Pfizer Inc is seeking qualified scientists to join a team whose research is directed toward identifying new strategies for the treatment of osteoporosis.

Research Scientist

Your qualifications should include a PhD degree in Biochemistry/Cell Biology and at least two years postdoctoral training. Demonstrated expertise in the isolation and culture of cells, stem cell and osteoblast differentiation and regulation, receptor/ligand binding or radioimmunoassays is necessary. You will be expected to establish and maintain collaborations with other scientists in the molecular biology, pharmacology and medicinal chemistry disciplines.

Assistant Scientist

You should possess a BS/MS degree in the biological sciences and have two years of research laboratory experience. An expertise in one or more of the following techniques is desired: organ/cell culture, immunohistochemistry, RIA, biochemical assays, ELISA and HPLC.

Pfizer offers a stimulating research environment and a competitive compensation and benefits package, along with relocation assistance to this southeastern Connecticut shoreline community. Please send a resume, a description of your research experience, and the names of three references to: Mr. Kym Goddu, Personnel Associate, Employee Resources Department, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340. An equal opportunity employer.

Pfizer

Central Research

Bringing science to life.
The Division of Immunology in the Research Institute at The Hospital For Sick Children is seeking candidates for:

**POSTDOCTORAL POSITIONS**

Multiple positions are available in two newly established, well-funded laboratories utilizing cellular, flow cytometric, molecular genetic and transgenic techniques to study the development and function of T lymphocytes.

**Dr. Jayne Danska:** molecular basis of self-antigen recognition through the T cell receptor during development and tissue-specific autoimmune disease, including endocrine and viral modulators of autoimmune reactivity in the neonatal diabetic mouse. **Dr. Cynthia Guidos:** molecular mechanisms of normal and neoplastic T cell development, including mechanisms of signal transduction and identification of genes that regulate cell fate decisions in immature T cells.

The Research Institute is a productive, interactive community working in molecular genetics, biochemistry, immunology, and cancer, cell, and developmental biology. Interested individuals with M.D., Ph.D. or D.V.M. degrees, and experience in immunology, genetics, biochemistry, molecular or cell biology, should forward a curriculum vitae, and three reference letters before June 15, 1992, to: Division of Immunology and Cancer, The Hospital For Sick Children, 555 University Avenue, Toronto, Ontario, Canada, M5G 1X8.

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**THE HOSPITAL FOR SICK CHILDREN**

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The Institute of Molecular Biology, Inc. (IMB) is a rapidly growing biotechnology company committed to bringing quality pharmaceuticals to the health care field. IMB offers the opportunity to work among a group of dedicated, highly respected scientists in a newly constructed facility in the Massachusetts Biotechnology Research Park located approximately 40 miles outside Boston, MA. IMB is seeking to fill new positions in the following areas:

**Applied Research Scientist**

This position involves designing and conducting in vivo efficacy studies in tissue repair and coordinating the conduct of the supporting analytical and in vitro evaluations. The ideal candidate would have expertise in: 1. The physiology of the repair of one or more tissue types such as bone, nerve, and skin, etc.; 2. Polypeptide growth or differentiation factors; and 3. The statistical analysis of data and writing of scientific reports. A working knowledge of common protein chemistry and molecular biology techniques is helpful. Requires an MD, PhD, DVM or equivalent.

**Protein Chemist**

This position involves the purification and characterization of novel proteins involved in the regulation of cell growth and coordinating the conduct of the supporting in vitro evaluations. The ideal candidate would have expertise in: 1. HPLC/FFL; 2. Gel electrophoresis and Western analysis; 3. Peptide mapping; 4. Immunohistochemistry; and 5. The writing of scientific reports. Working knowledge in Northern blot analysis and in situ hybridization helpful. Requires PhD with 2+ years of postdoctoral or equivalent experience.

IMB is an equal opportunity employer and offers competitive salary and benefits. For consideration please send your resume to: Human Resources, Institute of Molecular Biology, Inc., One Innovation Drive, Worcester, MA 01605-4308.

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**IMB**

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The Fourth Bristol Myers Squibb Symposium on Neuroscience

MOLECULAR PATHOGENESIS OF HUMAN NEUROLOGICAL DISEASES

November 13 and 14, 1992

Harvard University

Cambridge, MA

Louie M. Kunkel, Harvard Medical School
The Dystrophin Gene & Duchenne’s Muscular Dystrophy

Robert L. Barchi, University of Pennsylvania
Defective Ion Channels in Muscle Diseases

James F. Gusella, Massachusetts General Hospital
Molecular Genetics of Huntington’s Disease

Solomon H. Snyder, Johns Hopkins University
Nitric Oxide and Selective Neuronal Death

Stephen T. Warren, Emory University
Codon Duplication in Fragile X Syndrome

Thaddeus P. Dryja, Massachusetts Eye and Ear Infirmary
Molecular Genetics of Retinoblastoma & Retinitis Pigmentosa

Stanley B. Prusiner, University of California, San Francisco
Prion Diseases: Neurodegeneration of Genetic and Infectious Origin

Dennis J. Selkoe, Harvard Medical School
Amyloid Precursor Protein & The Pathogenesis of Alzheimer’s Disease

Information and Registration:

Nicole Boucher

FAX: 617-732-7787

Center for Neurologic Diseases,

Brigham and Women’s Hospital

221 Longwood Avenue, Boston, MA 02115
SmithKline Beecham Pharmaceuticals, a world leader in pharmaceutical research, has opportunities for scientists to join its Molecular Genetics/Macromolecular Sciences Departments. At SmithKline Beecham Pharmaceuticals the scientist will have the technology and resources to conduct breakthrough research in a collaborative environment where publication of results is strongly encouraged.

**Scientist/Molecular Genetics**

The selected candidate will perform experiments in molecular biology, including cDNA and gene cloning expression and characterization of gene products and also assist in the design, interpretation and modification of experiments and techniques. Candidates will have a B.S. and/or M.S. in Chemistry/Biochemistry/Biology plus 0-5 years applicable experience. Prior laboratory experience should include cloning techniques, DNA sequencing and screening of DNA and genomic libraries. #L0121.

**Postdoctoral Scientist/Molecular Genetics**

The successful candidate will be responsible for the study of the regulation and function of cytokines and their receptors using molecular biology techniques. A Ph.D. in Biology, Biochemistry, Chemistry or related discipline and experience in standard recombinant DNA techniques is required. Experience in construction and screening of cDNA and genomic libraries, expression of genes in bacteria and eukaryotic cells, tissue culture, RNA isolation, protein purification, site specific mutagenesis and receptor binding studies technologies is desirable. #L0122.

**Postdoctoral Scientists/Molecular Genetics**

Two scientists will be selected to study the tat transactivator and the structure and function of the protease and gag proteins from the human immuno-deficiency virus, using molecular biology techniques. Successful candidates will have a Ph.D. in Molecular Biology, Microbiology, Biochemistry or Immunology. Experience in recombinant DNA technology, advanced bacterial genetics, eukaryotic molecular biology and tissue culture, protein analysis and immunological techniques is desired. #L0123.

**Postdoctoral Scientist/Macromolecular Sciences**

The qualified candidate will be responsible for the expression and immunological characterization of proteins from the sexual stage of malaria parasites. The successful candidate will have a Ph.D. in Molecular Biology, Microbiology, Biochemistry or Immunology. Experience in recombinant DNA technology, advanced bacterial genetics, eukaryotic molecular biology and tissue culture, protein analysis and immunological techniques is desired. #L0124.

**Postdoctoral Scientist/Macromolecular Sciences**

Selected candidate will study the influence of sequence and conformation on the biological activity of peptides by installing bioactive amino acid sequences into a protein of known structure using recombinant DNA methods. The candidate will design and make protein sequence variants, analyze their activities and collaborate within SmithKline Beecham to determine structural features of these hybrid proteins. Ideal candidate will have a Ph.D. in an appropriate field, experience with molecular genetics and protein biochemistry techniques, and familiarity with computer graphics analysis. #L0125.

Our state-of-the-art research facility is located in suburban Philadelphia, near Valley Forge, PA. We offer a competitive compensation/benefits/relocation package, as well as opportunities for personal and professional growth. For confidential consideration, please send your C.V. indicating job number and the names of three references to Marilyn Leggieri, Associate Employment Administrator, SmithKline Beecham Pharmaceuticals, P.O. Box 1539, King of Prussia, PA 19406-0939. We are an Equal Opportunity Employer, M/F/H/V.

*SmithKline Beecham Pharmaceuticals*
UCAR Visiting Research Program for Senior and Postdoctoral Scientists

The University Corporation for Atmospheric Research (UCAR) is pleased to announce the continuation of its Visiting Research program, which provides research opportunities in National Oceanic and Atmospheric Administration (NOAA) Science Center at Camp Springs, Maryland.

The program offers visiting research appointments in the NOAA Science Center, and in research areas, at two of the premier R&D centers in the world devoted to operational weather prediction and space-based remote sensing of the Earth—NOAA's National Meteorological Center (NMC) and National Environmental Satellite, Data, and Information Service (NESDIS).

Opportunities in the UCAR program include positions for senior and postdoctoral scientists. In addition, there are positions for graduate students working on doctoral research programs. Members of the UCAR group will have access to the computational facilities which include powerful mainframes (including currently a Cray YMP with 8 processors), workstations, image processors, and associated graphics, and to global data bases from NMC models, NOAA satellites, etc. Participation will be commensurate with the experience of the scientists and local living costs, and will be competitive with analogous university and government appointments. Appointments will be for up to two years. There is no application form. Qualified scientists are encouraged to apply to the program by sending a resume along with a statement of how their research interests and experience relate to the areas of scientific interest at NMC and NESDIS.

Applications should include a brief description of proposed work along with an estimate of computer and/or other research requirements. All applications should include the names and addresses of four professional references, and applications will be evaluated according to criteria to encourage them to submit letters in support of the application. Applications for the graduate student positions should be initiated by the sponsoring visiting scientist, with prior consultation with the staff at NMC and NESDIS. The next application deadline is 15 May 1992. To receive more detailed information on the program please call (303) 497-1699 or send a fax message to Dr. J.M. Potter, Chairman of the UCAR Search Committee, Department of Pathology, Harvard Medical School, 25 Shattuck Street, Boston, MA 02115 by 15 May 1992. Harvard Medical School is an Equal Opportunity/Affirmative Action Employer. Male and female candidates are encouraged to apply.

Molecular Specialist

We're Building A Dynamic Future
(Yours and Ours)

Hinsdale Hospital, a prominent 460-bed acute care facility located in the western suburbs of Chicago and part of the University of Chicago Health System, is presently seeking a Molecular Specialist to join our team.

We require a professional with an MS or Ph.D. in Chemistry, Biology or immunology along with a minimum of 1 year experience in advanced, molecular biology technology and image analysis.

Find out more about our prestigious hospital and the exceptional compensation/benefits that await the qualified candidate (Relocation Assistance Available). If interested, please call: FAX: Mail your resume to Barbara Blood at

Hinsdale Hospital
120 N. Oak Street
Hinsdale, IL 60521
Fax: (708) 887-4847
An Equal Opportunity Employer

Hinsdale Hospital

POSITIONS OPEN

HARVARD MEDICAL SCHOOL
PROFESSOR OF MOLECULAR PHYSIOLOGY OF CELLS

Applications are invited for the position of professor of cellular and molecular physiology at Harvard Medical School. Candidates should have strong credentials in the areas of biophysical properties of channels, mutational analysis of channels, and the molecular and pharmacological modulation of channels. The position includes responsibility for training graduate students and postdoctoral fellows and a leading role in a course on Metabolism and Function required of first-year medical students. Applicants should submit curriculum vitae and bibliography by Dr. Daniel J. Freeark, Chairman of the Search Committee, Department of Pathology, Harvard Medical School, 25 Shattuck Street, Boston, MA 02115 by 15 May 1992. Harvard Medical School is an Equal Opportunity/Affirmative Action Employer. Male and female candidates are encouraged to apply.

CHIEF PERSON
DEPARTMENT OF PATHOLOGY
LOYOLA UNIVERSITY MEDICAL SCHOOL
2160 SOUTH FIRST AVENUE
MAYWOOD, IL 60153

Applications are invited for the position of PROFESSOR, and Chief, the Division of Pathology at Loyola University Medical School, Maywood, Illinois. Candidates must have a distinguished record of scholarship and professional achievement, proven leadership in the field, and a strong record of accomplishment. Send applications and curriculum vitae to the Chairman of the Search Committee:

Robert J. Freeark, M.D.
Chairperson
Loyola University Medical Center
2160 South First Avenue
Maywood, IL 60153

An Affirmative Action/Equal Opportunity Employer.

ASSOCIATE CHIEF OF STAFF for Research and Development

The Department of Veterans Affairs Medical Center (VAMC), Highland Drive, Pittsburgh, Pennsylvania, is currently seeking a physician/scientist for the position of associate chief of staff for Research and Development to give leadership to the medical research program and to strengthen further its research program. This medical center provides primary and tertiary care for veterans with psychiatric disorders, such as schizophrenia, post-traumatic stress disorder, dementia, substance abuse, and comprehension disorders. It is engaged in active ongoing funded research endeavors, medical license in any state and Board certification or eligibility are required. The successful candidate must have continued funding or independent research program, as well as possess the necessary qualifications for a medical appointment in the appropriate department at the University of Pittsburgh School of Medicine. This is an active ongoing funded research program in schizophrenia, psychophysiology, post-traumatic stress disorder, substance abuse and cognition. In addition to a schizophrenia research unit, psychophysiology, sleep and biochemistry laboratories, there is interest in increasing research in aging, substance abuse and brain imaging (PET scan and MRI). Qualified candidates interested in applying for the position of associate chief of staff for Research and Development should send curriculum vitae, including bibliography and the names of at least three references. The Chairman of the Search Committee, Daniel E. Van Kammen, M.D., Ph.D., Professor of Psychiatry, Chief of Staff (11), VAMC, Highland Drive, Pittsburgh, PA 15206.

PROGRAM OFFICER
BOARD ON BIOLOGY

The National Research Council (NRC) is seeking a program officer for studies on marine biotechnology, biobased industries, and other biotechnology projects. Position requires Ph.D. or equivalent in biological sciences or bioengineering; at least 1 year of experience in marine biology and analysis, oral and written communications and project administration skills. Working knowledge of federal agencies highly preferred. Send resume in confidence to: NRC/CALS, NAS 343-(FB), 2101 Constitution Avenue, NW, Washington, DC 20418. Equal Opportunity Employer.

CONSORTIUM COORDINATOR

The Consortium coordinator will work with the managing director on U.S.-AID funded biotechnology projects to organize regional meetings and to produce a quarterly newsletter. The position requires a Ph.D. in chemistry, biology, or a related field. Experience in cell and molecular biology, and in biotechnology or a related field is required. Previous experience in Slide, laboratory, or library is preferred. The successful candidate must have strong credentials in the areas of biophysical properties of channels, mutational analysis of channels, and the molecular and pharmacological modulation of channels.

Applications are invited for the position of professor of cellular and molecular physiology at Harvard Medical School. Candidates should have strong credentials in the areas of biophysical properties of channels, mutational analysis of channels, and the molecular and pharmacological modulation of channels. The position includes responsibility for training graduate students and postdoctoral fellows and a leading role in a course on Metabolism and Function required of first-year medical students. Applicants should submit curriculum vitae and bibliography by Dr. Daniel J. Freeark, Chairman of the Search Committee, Department of Pathology, Harvard Medical School, 25 Shattuck Street, Boston, MA 02115 by 15 May 1992. Harvard Medical School is an Equal Opportunity/Affirmative Action Employer. Male and female candidates are encouraged to apply.

An Affirmative Action/Equal Opportunity Institution.

UNIVERSITY OF MINNESOTA, TWIN CITIES, invites applications and nominations for the position of DEAN OF THE INSTITUTE OF TECHNOLOGY. The Institute consists of the departments of mathematics, physical sciences and engineering of one of the largest land-grant universities in the nation. The dean reports to the Vice President for Academic Affairs. We are seeking an individual who possesses a Ph.D. degree, or its equivalent, in biological or engineering sciences, and has demonstrated leadership in the development of the curriculum, faculty, and research programs. The successful candidate must have: (1) Ph.D. degree or its equivalent, (2) research and teaching experience at the university level, (3) experience in the administration of educational and research programs, (4) demonstrated ability to articulate the institute’s mission and vision to university community and external constituencies, (5) administrative experience, and (6) demonstrated commitment to equal opportunity and affirmative action. Applications should include a letter expressing interest, curriculum vitae, and the names, addresses and telephone numbers of three references. Nominations are also encouraged.

An Affirmative Action/Equal Opportunity Employer.

SENIOR EXTENSION ASSOCIATE DIRECTOR, CORNELL BIOTECHNOLOGY TECHNOLOGY TRANSFER AND ECONOMIC DEVELOPMENT PROGRAM. Interface between the biotechnology industrial (agribusiness) firms in New York State, research scientists and engineers on campus, and related economic development programs. Master’s degree (Ph.D. preferred) in biological or engineering sciences, 5 years or relevant business experience, and manufacturing experience. Salary commensurate with qualifications. Send letter of intent, resume and transcript(s) by 21 May 1992 to: Box 26, Kennedy Hall, Cornell University, Ithaca, NY 14852. Equal Opportunity Employer.

MOLECULAR/CELL BIOLOGIST
THE BEN MAY INSTITUTE
THE UNIVERSITY OF CHICAGO

The Ben May Institute of the University of Chicago is seeking applicants for a junior or intermediate level FACULTY POSITION. We are developing a strong program in the molecular aspects of the control of cell growth and differentiation. We are seeking an outstanding individual who is interested in the areas of molecular biology or cell physiology to examine basic mechanisms of cell signaling events or regulation of gene expression. Experience in related research fields is required. The Ben May Institute includes molecular and genetic aspects of receptor signaling mechanisms involving steroid hormone receptors, growth factor receptors, and T lymphocyte activation. Applications should have sufficient research experience to demonstrate both significant accomplishment and outstanding promise. Letters of application including curriculum vitae, bibliography, a brief statement indicating research interest, and the names of three references should be sent to: Dr. Frank Finch, Director, Ben May Institute MC6027, THE UNIVERSITY OF CHICAGO, 5841 South Maryland Avenue, Chicago, IL 60637. An Affirmative Action/Equal Opportunity Employer.

Molecular Specialist

We're Building A Dynamic Future
(Yours and Ours)

Hinsdale Hospital, a prominent 460-bed acute care facility located in the western suburbs of Chicago and part of the University of Chicago Health System, is presently seeking a Molecular Specialist to join our team.

We require a professional with an MS or Ph.D. in Chemistry, Biology or immunology along with a minimum of 1 year experience in advanced, molecular biology technology and image analysis.

Find out more about our prestigious hospital and the exceptional compensation/benefits that await the qualified candidate (Relocation Assistance Available). If interested, please call or FAX: Mail your resume to Barbara Blood at

Hinsdale Hospital
120 N. Oak Street
Hinsdale, IL 60521
Fax: (708) 887-4847
An Equal Opportunity Employer

Science: Vol. 256 • 1 May 1992
CANCER PREVENTION FELLOWSHIP PROGRAM

The Division of Cancer Prevention and Control (DCPC) is accepting applications for the Cancer Prevention Fellowship Program (CPFP). The purpose of this program is to train individuals from a multiplicity of health science disciplines in the field of cancer prevention and control. The program provides for: Master of Public Health training (at accredited universities); Participation in the DCPC Cancer Prevention and Control Academic Summer Course; Working at NCI directly with individual preceptors on cancer prevention and control projects; Field assignments in cancer prevention and control programs at other institutions. Funding permitting, as many as ten Fellows will be accepted for up to three years of training, beginning July 1, 1993. Benefits include selected relocation and travel expenses, paid federal holidays, and participatory health insurance.

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

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

PLUS
U.S. citizenship or resident alien eligible for citizenship within four years.

For details and application catalog, send a postcard or letter with your name and home address to:

Douglas L. Weed, M.D., M.P.H., Ph.D.
Director
Cancer Prevention Fellowship Program
Division of Cancer Prevention and Control
Deadline for Receipt of Applications: September 1, 1992

Further Inquiries: Mrs. Barbara Redding, (301) 496-8640

NATIONAL CANCER INSTITUTE
Executive Plaza South, T-41, Bethesda, MD 20892

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OSTEOPOROSIS RESEARCH

For more than 115 years, Eli Lilly and Company has produced pharmaceutical products that are used to improve life in over 100 countries around the world. The Company provides a research environment where scientists are successful and excited about their work. Senior Scientists work within multidisciplinary teams that lead to an exchange of ideas directly influencing the outcome of projects. In addition to attractive salaries and benefits, Lilly provides excellent opportunities for continued growth through in-house seminars and off-site programs.

Lilly Research Laboratories, a division of Eli Lilly and Company, is looking for PhDs in the following areas:

CELLULAR DIFFERENTIATION
Join our in vitro bone program team working on osteoclast and/or osteoblast differentiation from stem cell precursors in the marrow environment. In addition to a PhD or MD degree, you must have 2-3 years of postdoctoral experience with a background in cell differentiation and/or signal transduction.

PHARMACOLOGY
With your PhD in Pharmacology, Endocrinology or related field, you'll become part of an interdisciplinary team investigating in vivo modulation of bone modeling. 2-3 years of postdoctoral experience is also required.

PATHOLOGY
Use your past experience in histomorphometry and/or molecular cytopathology to evaluate the drug effects on bone. To qualify, you must have a PhD, MD, DVM or DDS, along with appropriate field experience.

Qualified applicants should send their curriculum vitae, including program of interest, to: Albert L. Peyton, PhD, PhD Recruitment S501, Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN 46285. We are an equal opportunity employer.
POSITIONS OPEN

IMMUNOLOGY/TOXICOLOGY

The School of Marine Science, Virginia Institute of Marine Science, College of William and Mary, invites applications for a tenure-track FACULTY POSITION in immunology/toxicology of marine and estuarine organisms. Ph.D. required with demonstrated experience in modern immunological approaches to toxicological research. The successful applicant will have a commitment to graduate education and be expected to develop a vigorous, extramurally funded research program to investigate the effects of anthropogenic chemicals on the immune system of fish or shellfish. Depending upon qualifications, the position may also involve some program administrative responsibilities. Rank and salary dependent upon qualifications. Position available 1 July 1992.

Send curriculum vitae, statement of research interests and the names of four references to: Dr. E. M. Burreson, School of Marine Science, Virginia Institute of Marine Science, Gloucester Point, VA 23062. Review of applications will begin on 1 June 1992 and will continue until the position is filled. Women and minorities are especially invited to apply.

The College of William and Mary is an Affirmative Action, Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available at the Medical University of South Carolina (MUSC) in Charleston to participate in federally funded alcohol research program. Research emphasis is on the role of prostaglandins in mediating alcohol-induced birth defects; neurochemical mechanisms underlying functional deficits following fetal alcohol exposure; and brain mechanisms underlying alcohol tolerance and dependence. Prefer background in psychopharmacology or reproductive biology. Send curriculum vitae and names of three references to: Dr. Carrie Randall, Department of Psychiatry and Behavioral Sciences, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425. Applicants must be U.S. citizens. MUSC is an Equal Opportunity Employer.

POSITIONS OPEN

PHYSIOLOGY, FACULTY. A tenure-track position for an investigator in cellular physiology, biophysics, or neuroscience. Researchers in cellular/molecular physiology, membrane transport, or neurobiology are especially invited to apply. Applications including curriculum vitae, a brief statement of research interests, and the names of three references should be mailed to: Dr. Robert B. Gunn, Chairman, Department of Physiology, Emory University School of Medicine, Atlanta, GA 30322. New applications will be considered until 15 June 1992 or until the position is filled. Emory University is an Equal Opportunity/Affirmative Action Employer.

TWO POSTDOCTORAL POSITIONS are available immediately. One postdoctoral position is in the area of protein engineering of enzymes for use in organic solvents. A Ph.D. in biochemistry, microbiology, or molecular biology is required and experience in site-directed mutagenesis and enzyme structure and function are desirable. Applications for this position will be considered until 30 June 1992. A second postdoctoral position is available to study microbial peroxidases and their structure and kinetics. A Ph.D. in chemical engineering, microbiology, or chemistry is required. Knowledge of peroxidase chemistry is desirable. Submit curriculum vitae and three letters of reference to: Professor Jonathan S. Dordick, Department of Chemical and Biochemical Engineering, University of Iowa, Iowa City, IA 52242. The University of Iowa is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION available 30 June 1992 to study pathogenesis of an infectious leukemia of salmonid fish with a suspected retroviral origin. Knowledge of monoclonal antibody techniques essential with a working background in molecular biology or retroviral disease desirable. This is an NSERC-funded project for 2 years. Send curriculum vitae and names of three references to: Dr. F. Markham, Atlantic Veterinary College, UPEI, Charlottetown, PEI, Canada, C1A 4P3. FAX: 902-566-0958.

POSITIONS OPEN

POSTDOCTORAL POSITION available to study the regulated expression and functional and developmental significance of a previously unknown nonbrillar collagen. The gene for this protein, recently discovered in this laboratory, is expressed at high levels only in certain immune tissues. Molecular biology experience required. Additional cellular, biochemical, immunological or in situ hybridization skills are desirable. Send curriculum vitae and names of three references to: Dr. Daniel S. Greenspan, Department of Pathology, University of Wisconsin Medical School, 1300 University Avenue, Madison, WI 53706.

TWO POSTDOCTORAL POSITIONS available, one immediately, to study blood cell differentiation, including growth arrest, apoptosis and suppression of leukemia, at the molecular and cellular level. The role and regulation of transcription factors, proto-oncogenes and novel genes is being investigated [MCB 11, 2375 (1991); MCB 11, 437 (1991); MCB 12 (June 1992)]. Reconstituent DNA sequence desirable. Send curriculum vitae and names of three references to: Drs. B. Hoffman-Liebermann and D. Liebermann, Department of Biochemistry and Biophysics, University of Pennsylvania, School of Medicine, Philadelphia, PA 19104-6059. FAX: 215-898-4217. Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately. Research related to neurocircuits underlying behavioral and endocrine responses induced by fearlessness. Candidates should have a Ph.D. degree and experience in the area of neurobiology and behavioral pharmacology. Competitive salary and fringe benefits. Send letter of application and curriculum vitae to: Ned H. Kalin, M.D., Department of Psychiatry, 600 Highland Avenue, Madison, WI 53792-2475 by 22 May 1992. Names of applicants and nominees cannot be kept confidential. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.

NANOTECHNOLOGY

Reprint

Engineering a Small World: From Atomic Manipulation to Microfabrication

This 42-page special section, reprinted from the 29 November issue of SCIENCE, is your entry to the expanding world of small-scale engineering. It's a field that spans microelectronics, materials science, chemistry, molecular biology, and microscopy. In this special section, ten illustrated articles by research leaders and by science journalists present the full scope of this small world.

For each copy, send $4.00 plus $.50 for postage to:

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M.D.-SCIENTIST/Ph.D.
DIVISION OF NEPHROLOGY
CEDARS-SINAI MEDICAL CENTER
UCLA SCHOOL OF MEDICINE

The Division of Nephrology at Cedars-Sinai Medical Center (UCLA affiliate) is offering a full time position for an M.D. or Ph.D. scientist. The Ph.D. position requires a strong background in cell biology research in the area of membrane transport and intracellular measurements of fluorescent signals. The M.D. position is open to a board certified nephrologist. It requires a strong academically oriented background in teaching as well as minimum of three years experience in clinical and/or basic research. Applicants will be eligible for academic appointment at UCLA School of Medicine. The position is well funded with a spacious lab in a brand new research building. Applicants should submit curriculum vitae to:

Jacob Green, M.D.
Director, Division of Nephrology
Cedars-Sinai Medical Center, Room B-220
8700 Beverly Blvd., Los Angeles, CA 90048
Telephone (310) 855-4625
EE/AOE

A highly qualified Pharmaceutical Industry in Florence, Italy

is seeking for an experienced scientist endowed with great organizing qualities to fill

a challenging position equivalent to
Vice President Responsible for R & D.

The successful candidate will be responsible for organizing the activities of the pharmaceutical research in the fields of chemical synthesis, pharmacology and molecular biology, providing for the ideation, planning and coordination of such activities. He will have an up-to-date knowledge of the expansion lines of the international pharmacological research. He will be assisted by internationally recognized experts already working in the company.

The Clinical Pharmacology Management, as well, reports directly to him.

The position is directly under the Chairman and CEO.

A scientific degree and qualifying experiences in primary pharmaceutical companies of international level are requested.

An attractive salary and cultural opportunities at the highest level are offered.

Qualified candidates are kindly requested to submit their curriculum vitae to:

A. Menarini srl- Pharmaceutical Industries
Via Sette Santi, 1
50131 Florence, Italy
Attn. Mrs. Michela Materazzo
Fax No. (55) 588632
Correspondence will be kept strictly confidential.
BIOPROCESS ENGINEER

Hybritech Incorporated is a worldwide, research-based corporation applying monoclonal antibody and other leading edge technology to the development of human health care. We have an Engineering opportunity in our Manufacturing Technical Support Department.

The Engineer will be responsible for troubleshooting efforts, process improvement, and automation projects in the areas of protein purification, protein modification and bioreagent formulation. The individual will have specific responsibility for virus removal or inactivation process development and validation of these processes. Experience with the virus removal aspects of processes is required.

All candidates should have extensive chromatography experience, parental product manufacturing, process development or technical support experience, SPC and process monitoring experience. Experience in statistical approaches to experimental design is required. Strong technical leadership, strong communication skills, and a thorough understanding of cGMP are required. Process analytical chemistry and manufacturing operations experience is desired.

Candidates should have a BS/MS/PhD with 3 to 5 years of industrial experience in parenteral bioreagent manufacturing, technical service, or bioreagent process development.

Hybritech’s investment in facilities, R&D and human resources reflects our commitment to remain in the forefront of monoclonal antibody technology and related fields. Our salaries and benefits also reflect that commitment. Please direct your resume to: TV/BB/SC/51-92, HYBRITECH INCORPORATED, P. O. Box 269006, San Diego, CA 92196-9006. We are committed to diversity in our workforce/EOE.

UNIVERSITY COLLEGE DUBLIN
DEPARTMENT OF BIOCHEMISTRY
Assistant Lecturer/College Lecturer

One Permanent Post (Ref: 34/92)
Closing Date: Thursday, 21 May 1992

Applications are invited for the above full-time post. The appointment will be made at the level of Assistant Lecturer or College Lecturer.

The successful candidate will have demonstrated the ability to pursue a vigorous research programme in any field of Biochemistry.

The current salary scales are:
Assistant Lecturer: IRE12,397–IRE20,008
College Lecturer: IRE18,326–IRE28,593

Entry point on the relevant scale will be in accordance with qualifications and experience.

Prior to application, further information (including application procedure) should be obtained from The Personnel Officer, University College Dublin, Belfield, Dublin 4, Ireland quoting appropriate reference number. Telephone enquiries: +353-1-2893244 exts. 1436/1409. Fax: +353-1-2894409.

U.C.D. is an equal opportunities employer.

NEU-ONCOLOGIST INSTRUCTOR (RESEARCH TRACK)

Research scientist sought for entry-level faculty position in Neuro-oncology Laboratory. Duties include the diagnosis and classification of central nervous system tumors (pediatric) and the isolation of nucleic acids from tumor surgical specimens for molecular biological experimentation. M.D. or M.D./Ph.D. sought with 3 years experience in neuropathology involving diagnosis/classification of CNS tumors, human cell culture technique involving assessment of in vitro chemosensitivity analysis of tumor cells by measurement of 3H-TdR incorporation, flow cytometry, Southern/Northern blotting techniques, polymerase chain reaction procedures, cloning/DNA sequencing of PCR products and associated techniques related to the construction of recombinant DNA molecules. Degreed candidates with appropriate experience in advanced training programs will be considered. Starting salary—$25,000. Submit letter and curriculum vitae to Georgia Department of Labor (address)* by May 30 deadline. EEO/AA, M-F.

*Job Order # GA 5537084
1275 Clarendon Avenue, Avondale Estates, GA 30002 or to the nearest Georgia Job Service Center.

POSITIONS OPEN

UNIVERSITY OF FLORIDA
BRAIN INSTITUTE
SPINAL CORD REGENERATION RESEARCH PROGRAM

POSTDOCTORAL POSITIONS are immediately available as part of an NIH- and state of Florida-funded multidisciplinary program focused on spinal cord injury and repair being conducted in the Departments of Neuroscience and Neurosurgical. Emphasis is on therapeutic interventions and their potential impact on various behavioral/ neurophysiological correlates of motor, sensory, and autonomic change precipitated by spinal cord trauma. Principal areas of interest include: spasticity, sensory dysfunction, segmental circuits subserving sexual reflexes, magnetic resonance imaging/spectroscopy, and neural tissue transplantation biology. To complement and expand these projects, individuals are being sought having expertise in any of the following basic areas: transplantation immunology, contemporary neuroanatomical techniques (i.e., immunocytochemistry, tract-tracing), molecular biology (especially pertaining to growth factor chemistry or gene cloning and related techniques), neuropathology, electrophysiology, NMR spectroscopy, tissue culture, or behavioral analysis. Other areas deemed to be relevant to these basic interests also will receive careful consideration by the selection committee. Applicants must have a Ph.D. or M.D. degree and preference will be given to individuals with a background in neural regeneration/plasticity research. Closing date is 1 June 1992 or until available positions have been filled. Send curriculum vitae and the names, addresses, and telephone numbers of three references to: Paul J. Reier, Ph.D., University of Florida College of Medicine, Department of Neurosurgical Surgery, P.O. Box 100265, Gainesville, FL 32610-0265. An Equal Opportunity Employer.

POSTDOCTORAL POSITIONS OR USDA, Agricultural Research Service (ARS), Meat Animal Research Center, Clay Center, Nebraska, has postdoctoral-research associate positions available immediately to investigate a swine model for inherited neoplasms with potential defects in differentiation control and tumor suppressor genes. Candidates with a background in genetics/molecular biology and experience in molecular biological techniques are encouraged to apply. Excellent facilities and established reference families provide a unique opportunity to identify genes involved in tumor initiation and regression. Minimum starting salary: $32,423. Send curriculum vitae and names of three references to: Dr. Craig W. Beattie, Rosen L. Hovius U.S. Meat Animal Research Center, P.O. Box 166, Clay Center, NE 68933. Telephone: 402-762-4359; FAX: 402-762-4148. USDA-ARS is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available for RESEARCH CENTER with Dr. Ph.D. in our Plasma Derivatives Laboratory. Work involves studying the expression of human proteins in transgenic animals. Knowledge of molecular biology required, background in transgenic animals beneficial. We provide a highly stimulating research environment with performance-oriented, competitive salaries. Send curriculum vitae, including a summary of research accomplishments and publications, and the address and telephone number of three references to: Henryk Lubin, Ph.D., Holland Laboratory, American Red Cross, 15601 Crabb's Branch Way, Rockville, MD 20855. Equal Opportunity Employer/F/F/H/H.

POSTDOCTORAL POSITIONS IN ECOLOGY. Two postdoctoral positions exist at Miami University, beginning in July or September 1992. Appointments are 1 year in length; a possibility of renewal the second year is with Dr. Michael Vanni on aquatic food web interactions, using experimental and/or modeling approaches. The other position is with Dr. Ode Loucks on modifying nutrient flows or investigating environmental effects on soil invertebrates. Send applications, indicating experience and interests, curriculum vitae, and three reference letters to: Chair, Department of Zoology, Miami University, Oxford, OH 45056 by 25 May 1992; call 513-529-1677 for information. Equal Opportunity/Affirmative Action Employer.
Gene Expression

Explore this opportunity to join Monsanto Company, a recognized world leader in plant science biotechnology. Our laboratories in Chesterfield, a suburb of St. Louis, provide state-of-the-art facilities for conducting research in plant biochemistry and molecular biology.

Monsanto is actively applying this research toward improving crop productivity. We are expanding this effort and are hiring bright, innovative scientists with experience in gene expression.

A position is available in the plant protection group of the new products division in the area of cloning and expression analysis of genes for controlling insects and fungal pathogens. This position is part of a multi-disciplinary team leading to commercialization of insect- and disease-resistant crops.

Qualifications include a BS/MS in molecular biology or biochemistry or appropriate discipline with broad technical experience in molecular biology. You must have substantial experience in cloning and expression analysis of prokaryotic/eukaryotic genes. Excellent interpersonal and communication skills are required.

We offer a highly competitive salary and benefits/relocation package. Please send your Curriculum Vitae, names of three references and a statement of your career and/or research interests to: Mrs. Marion K. Doyle, Supervisor, Human Resources-O3H, Monsanto Company, 800 N. Lindbergh Blvd., St. Louis, MO 63167. EOE. M/F/D/V.

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Monsanto

CytoMed...At the Interface of Inflammation and Immunology

An innovative leader in the development of pharmaceuticals for inflammatory and immune disorders, CytoMed offers exciting career development opportunities with one of biotechnology's fastest growing firms. We seek industry professionals prepared to join a company actively involved in the discovery and development of novel drugs.

Pharmacologist

A Ph.D. with 3+ years' post doctoral or industry experience using animal models for the testing of synthetic compounds or recombinant proteins.

Protein Biochemist

A Ph.D. in Biochemistry or equivalent is required, with post doctoral or industry experience in protein purification preferred.

Biochemist

A Ph.D. in Biochemistry or equivalent is required, with post-doctoral or industry experience in ligand-receptor binding and mechanisms of signal transduction preferred.

Work with top minds in your field in a state-of-the-art R&D environment as you advance the course of biotechnology with us. For more information about professional growth at CytoMed—and the competitive salary and comprehensive benefits we provide—send resume in confidence to: HR Specialist, Dept. SCI, CytoMed, Inc., 840 Memorial Drive, Cambridge, MA 02139. An Equal Opportunity Employer.
Join your colleagues from around the world as they meet on the balmy Mediterranean coast to explore the latest developments in human genome research.

Don’t miss Human Genome ’92, the fourth annual conference on the Human Genome Project sponsored by the Human Genome Organisation and Science magazine (published by the American Association for the Advancement of Science).

After three years in San Diego, the conference is moving to beautiful Nice, France; great discounts on unrestricted air fares are available. For details, use the coupon below.

**Tentative Program**

**Mapping**
(Thursday, 15 October, 8:30am–noon)
Bertrand R. Jordan (chair), INSERM-CNRS
Jean Weissenbach, CNRS, Inst. Pasteur
Daniel Cohen, Ctr. d'Etude du Polymorphisme Humain
Malcolm Ferguson-Smith, Cambridge Univ.
Cassandra L. Smith, Univ. of California, Berkeley
Yoshihide Hayashizaki, Natl. Cardiovascular Research Inst.

**Human Genetic Diversity**
(Thursday, 15 October, 4:00pm–7:00pm)
P. Fasella (chair), Comm. of European Communities
L.L. Cavalli-Sforza, Stanford Univ.
A. Piazza, Univ. of Torino
Alec J. Jeffreys, Univ. of Leicester
Kenneth Kidd, Yale Univ. School of Medicine
Svante Paabo, Univ. of Munich
Julia Bodmer, Imperial Cancer Research Fund

**Applications of the Human Genome Project**
(Friday, 16 October, 8:30am–noon)
Jean Dausset (chair), Ctr. d'Etude du Polymorphisme Humain
John Hardy, St. Mary's Hospital Medical School
Francis Collins, Univ. of Michigan
Yusuke Nakamura, Japanese Fdn. for Cancer Research
Hans-Hilger Ropers, Univ. of Nijmegen
Ulf Landegren, Univ. of Uppsala

**Contribution Papers**
(Friday, 16 October, 4:00pm–7:30pm)
Howard M. Cann (chair), Ctr. d'Etude du Polymorphisme Humain
Speakers will be chosen from poster session abstracts.

**Model Organisms**
(Saturday, 17 October, 8:30am–noon)
George Carle (chair), Univ. of Nice
Marc van Montagu, Univ. of Ghent
Piotr Slonimski, CNRS
John Sulston, MRC Lab of Molecular Biology
Steven Tanksley, Cornell Univ.
Eric Lander, Whitehead Inst.
Michael Ashburner, Cambridge Univ.

**cDNA Sequences & Intellectual Property**
(Saturday, 17 October, 4:00pm–7:30pm)
Lennart Philipson (chair), EMBL
J. Craig Venter, Natl. Inst. of Health
Kenichi Matsubara, Osaka Univ.
Rebecca Eisenberg, Univ. of Michigan
Charles Auffray, Inst. d'Embryologie du CNRS
Andrei Mirzabekov, Soviet Academy of Sciences

**Plus...**
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and more

**Program organized by:**
Walter Bodmer, Imperial Cancer Research Fund
Charles R. Cantor, DOE Human Genome Project
Jean-Louis Mandel, CNRS/LGME, INSERM

☐ Please send me additional information about the Human Genome '92 scientific program.
☐ I'm interested in exhibiting. Send an exhibit prospectus.
☐ Please send details about presenting a poster.

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Send to: AAAS Meetings, 1333 H Street, NW, Washington, DC 20005, USA (Tel: 202-326-6461; Fax: 202-289-4021)
Clinical Tenure Track Position
In Neuropharmacology Using Positron Emission Tomography.

A new tenure track position is available beginning in July 1992 or July 1993 in the Laboratory of Neurosciences, S.I. Rapoport, MD, Chief. This position provides an excellent opportunity for neurologists, psychiatrists, clinical pharmacologists or other clinicians who plan a research career in brain imaging and neuropharmacology. Graduates of this program are currently directing imaging and Alzheimer's programs across the country.

Research training focuses on the use of positron emission tomography to measure drug modulation of human brain function, metabolism, and blood flow at rest and during cognitive stimulation in relation to aging and disease (e.g., Alzheimer's disease, geriatric depression, Down syndrome and other retardations). The candidate will be responsible for writing and conducting clinical protocols and will have limited clinical responsibilities on an 8-bed clinical research unit.

MD degree and medical license are required (foreign physicians must be ECFMG certified) and previous experience in clinical pharmacology and pharmacokinetics is required. Starting salary commensurate with training and experience. For further information, contact M. B. Schapiro, MD, Chief, Brain Aging and Dementia Section, Laboratory of Neurosciences.

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DEVELOPMENT CHEMIST
This challenging position is dedicated to the development of immunoassay conjugates which play a significant role in controlling product quality. Specifically, you will be responsible for all aspects in the development of a conjugate which includes designing the chemical approach, optimizing the conjugation procedure and validating assay performance. As part of the transfer to manufacturing, the chemist is responsible for pilot lot preparations as well as assuring compliance to performance specifications. Your skill set should include a BS/MS/PhD in Chemistry or Biochemistry; 2-6 years' R&D experience in the immuno-diagnostics industry; expertise in protein chemistry; and the ability to work independently and coordinate with other chemists.

RESEARCH SCIENTIST
Requirements include a PhD in Biological Sciences and 0-4 years' R&D experience in protein chemistry, enzymology or cell biology. The ideal candidate will have excellent analytical and communication skills, as well as experience with glycoproteins/connective tissue molecules and protein purification and characterization.

RESEARCH ASSOCIATES
Positions are available for individuals with a BS/MS in Biological Sciences, Chemistry or Biochemistry and 2-4 years' R&D experience in either protein chemistry, enzymology and cell biology or HPLC method development for proteins and small molecules.

SR. SCIENTIST - DEVELOPMENT
This position is key in the development of immunoassays for bone markers. Specific responsibilities include the establishment of technical feasibility, optimization of assay performance, and coordinating the manufacturing transfer phase. Additionally, you will collaborate with investigators to validate the clinical utility of the markers. Requirements include a PhD or equivalent in Chemistry, Biochemistry or Biological Sciences, 4-6 years' experience in immuno-diagnostics and all phases of immunoassay product development.

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At the American Association for the Advancement of Science we're investing in our future with Project 2061.

This national program, sponsored by the AAAS, is designed as a blueprint for science education. Project 2061 is based on the premise that students learn best when connections are made between fundamental scientific theories and real-life applications. From rural Georgia to San Francisco; from Philadelphia to suburban Wisconsin, the AAAS is working with teachers to design the science curriculum of the future.

Although just a beginning, AAAS and its members are not only dedicated to the advancement of science today, but through Project 2061 and other educational programs, to the continual advancement of science in years to come.
Rhône-Poulec Rorer Research and Development, a global leader in pharmaceutical research, currently has the following opportunities available:

**RESEARCH SCIENTIST**
Cardiovascular Biology/Thrombosis

The candidate chosen for this position should possess a Ph.D. in Pharmacology or Physiology with 2 years of post doctoral experience in *in vivo* models of Thrombosis. The successful candidate will establish models of Thrombosis as well as propose novel approaches for the treatment of Thrombotic disorders. Strong interpersonal and communication skills are required. (Position #R2R-104-LLS)

**CHEMICAL MICROSCOPIST**
Analytical & Physical Chemistry

An immediate opening exists for an experienced individual in chemical microscopy. A B.S. in Chemistry with 3-5 years, or M.S. with 2-3 years, formal training in chemical microscopy is required. The selected candidate should possess a working knowledge of optical polarized light microscopy and photomicrography. The primary job function would be the morphological, optical and thermal characterization of drug substances. Some work with computerized image analysis measurements would be helpful. Secondary job functions may include operation of FTIR, UV, or fluorescence spectrometers. The primary job function is optical chemical microscopy plus maintaining the microscopy lab and participating in its expansion. (Position #R2R-012-LS)

We offer a competitive salary and benefit plan. Interested candidates should apply by submitting a current resume, including salary history and desired salary requirements. Responses should be forwarded, indicating position #, to: RHÔNE-POULENC RORER RESEARCH & DEVELOPMENT, Human Resources Dept., 640 Allendale Road, King of Prussia, PA 19406. Attn: LLS, (Indicate Positions). EEO, M/F/D/V.

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**Veterinary Pathologist**

Genentech, Inc. has an opportunity for a Veterinary Pathologist for our Safety Evaluation Department. The position offers a balance of investigative pathology research and regulatory toxicologic pathology support for products developed through recombinant DNA technology. Additionally, you will design and conduct studies, perform morphologic evaluations and prepare applicable reports for internal use or scientific publications.

Requirements include a DVM/VMD with advanced research training, a PhD or equivalent in Comparative Pathology and Board Certification in Veterinary Pathology. Proven research productivity as demonstrated by publication record is essential. Two years' experience in toxicologic and experimental pathology is preferred. Individuals with expertise in neuropathology or immunohistochemistry are encouraged to apply.

We offer an excellent salary and benefits package. For immediate consideration, please send your resume to Genentech, Inc., Human Resources, Dept. NS/TT, 460 Point San Bruno Blvd., South San Francisco, CA 94080. We actively support and promote affirmative action and equal opportunity employment. Women and minorities are encouraged to apply.

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**Philip Morris Fellow For AIDS Research**

Philip Morris is sponsoring a 3-year Postdoctoral Fellowship for basic research related to AIDS at the Lindsley F. Kimball Research Institute of the New York Blood Center. Areas of research include: molecular and biochemical virology, epidemiology and strategies for vaccine development. M.D. and/or Ph.D. required. Please send resumes and the names of three references to: Dr. John W. Adamson, President, New York Blood Center, 310 East 57th Street, New York, NY 10021, USA. An equal opportunity employer M/F.
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DIRECTOR, UCR/UCLA PROGRAM IN BIOIMEDICAL SCIENCES
DIVISION OF BIOMEDICAL SCIENCES
UNIVERSITY OF CALIFORNIA, RIVERSIDE

Responsible for leadership of the research and educational activities of the Division of Biomedical Sciences at UCR. Duties include leadership of and active participation in the research activities of the Divisional faculty at UCR and the Ph. D. program in Biomedical Sciences; supervision of an accelerated 7-year educational program leading to the B.S. degree from UCR and the M.D. degree from the UCLA School of Medicine; serving as Chairperson of the Division of Biomedical Sciences (15 ladder-rank faculty positions in basic Medical Sciences disciplines at UCR and seven adjunct positions at the associated Harbor/UCLA Medical Center teaching faculty); and maintaining liaison among UCR, UCLA, Harbor/UCLA Medical Center, the UC Office of the President, and other applicable state and national agencies.

PhD, M.D., or equivalent; A strong and active research program in biomedical sciences; Familiarity with medical school basic sciences instruction; Evidence of success in managing strong academic programs; Qualification for appointment as a Full Professor in the University of California system. Duties begin in 1993.

Please send nominations or letter of application, resumes and names of at least three references by June 15, 1992. 2: BMS Program Director Search Committee, Division of Biomedical Sciences, University of California, Riverside, CA 92521.

The University of California is an Equal Opportunity/Affirmative Action Employer. Female and minority candidates are encouraged to voluntarily identify themselves.

POSITIONS OPEN

PH.D. PROGRAM/NEUROBIOLOGY

Doctoral training position in neurobiology at West- leyan University. The Ph.D. program is characterized by close faculty-student interaction. Active research programs in behavioral neurogenetics, neuroendocrinology, behavior, cellular and developmental neurobiology and neuroendocrinology. Additional faculty strengths include neurogenetics, cellular biology and molecular biology. The graduate student support is a 12-month stipend of $11,718 plus tuition waiver dependen- cy allowances. Contact: Ms. Peggy Miyano, Graduate Admissions, Department of Biology, Westley Univer- sity, Middletown, CT 06459, or call 203-347- 9411, ext. 2656.

POSITIONS OPEN

POSTDOCTORAL ASSOCIATE. To participate in studies on the biochemistry and molecular biology of heart mitochondrial enzymes. Candidates must have a Ph.D. degree with experience in protein chemistry and protein synthesis and antibodies production. Please send curriculum vitae and three references to:
Joseph Marin, M.D.
Pediatric Cardiology Group, New Jersey
2130 Millburn Avenue
Maplewood, NJ 07040

POSTDOCTORAL RESEARCH ASSOCIATE.

Position available to study immunohistorical and cellular aspects of mucosal immunity. Experience in cellular immunity preferred. Background in modern molecular biology is also desirable. Send curriculum vitae and names of three references to: Dr. Paul C. Montgomery, Professor and Chair, Department of Immunology and Microbiology, Wayne State University Medical School, 540 East Canfield Avenue, Detroit, MI 48201. Wayne State University is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

The Division of Physiology of the Department of Medicine at the University of California, San Diego (UCSD), is seeking an electron microscopist to participate in research in peripheral tissue gas exchange with particular emphasis on structure-function correlations in muscle oxygen supply and metabolism. Experience in all phases of transmission electron microscopy from tissue preparation to sampling of micrographs for morphome- try and demonstrated skills in quantitative analysis in- cluding statistics are required. M.S. or Ph.D. degree preferred. Send curriculum vitae, description of research experience and name of three references to: Dr. Odile Mathieu-Costello, Department of Medicine, 0623, UCSD, La Jolla, CA 92039-0623. Application dead- line is 31 May 1992. FAX: 619-534-4812.

RESEARCH ASSOCIATE POSITIONS:
The University of Texas at Dallas, Richardson, Texas. (1) Center for Quantum Electronics: Interface of material science with quantum electronics. Prior experience with actions of laser light on materials and the use of these materials as tools in physics is desired. Send curriculum vitae, letter of intent and three letters of reference to: Dr. Mark A. Reed, Department of Physics, University of Texas at Dallas, Richardson, TX 75083-0688.

SENIOR RESEARCH ASSOCIATE. Position available in neuropharmacology. Qualifica- tions include M.D. and/or Ph.D. (physiology); minimum of 10 years of research experience in cellular electrophysiology and drug action (e.g., opiates) on mammalian neurons, evidence of publication of at least 15 research papers (of which 10 as primary author) in peer-reviewed journals; experience with in vivo and in vitro preparations (cultured neuronal cells, cell bodies, and cocultured neuronal and glial cells); and experience with teaching medical and/or graduate students. Send curriculum vitae and names of three references within 30 days to: Richard A. Cottrell, The Neurosciences Institute, Mary Harris Administration, Oregon Health Sciences University L-474, Portland, OR 97201-3098. Affirmative Action/Equal Opportunity Employer.
The Thrombosis and Hemostasis Branch of the Division of Blood Diseases and Resources, National Heart, Lung, and Blood Institute, National Institutes of Health (NIH), PHS, seeks a Branch Chief in Bethesda, Maryland.

The Branch Chief will be responsible for supervision of all branch scientific and administrative activities relevant to its mission of research in thrombosis and hemostasis. This includes providing leadership and coordination of all research activities, basic, applied, and clinical, in the areas of hemostasis and of thromboembolic, hemorrhagic, and platelet disorders; development of scientific and conference and workshop initiatives; development of “state of science” reviews on topics of importance to the Branch’s programs; and serving as the Institute’s liaison to other components of the National Heart, Lung, and Blood Institute, other Institutes, as well as public, private, and international organizations whose activities are related to the mission of the Institute.

Specific requirements are: 1) an M.D. or Ph.D. degree or equivalent education and experience, plus experience in basic and/or clinical research. The position is Health Scientist Administrator (Biological Sciences), GM-601-15, or Medical Officer, GM-502-15, with a salary range of $64,233 to $87,784. In addition, candidates may be eligible for Physician’s Comparability Allowance up to $20,000. Candidates may be eligible for appointment in the Commissioned Corps of the U.S. Public Health Service. U.S. Citizenship required.

For further information or to submit curriculum vitae, contact:
John C. Hoak, M.D., Director
Division of Blood Diseases and Resources
National Heart, Lung, and Blood Institute
Federal Building, Room 516
7550 Wisconsin Avenue
Bethesda, MD 20892
(301) 496-4868

NIM is an Equal Opportunity Employer

A postdoctoral position for work on the structure and function of the glucocorticoid receptor protein is available at the Department of Medical Nutrition, Karolinska institutet. The project involves high level expression of the protein and structural analysis of the purified product. Expression of this protein, as well as individual domains, is ongoing using various different expression systems. Further work in this project will encompass scaling up expression of functional protein and its purification and thereafter structural analysis of the product.

The Department of Medical Nutrition is situated at Huddinge University Hospital within the Novum Research Centre. This project is carried out in active collaboration with two other departments within Novum, the Centre for Biotechnology and the Centre for Structural Biochemistry as well as in collaboration with KaroBio AB. Protein NMR-spectroscopy and X-ray crystallography facilities are available in house at the Centre for Structural Biochemistry.

Applicants for this position should have presented a PhD thesis within the field of molecular biology or protein biochemistry. A knowledge of eukaryotic expression systems or protein purification is an advantage. Applications should include a CV, a list of publications and two letters of reference. Send applications to:

Dr. Jan Caristhed-Duke or Dr. Jan-Åke Gustafsson
Department of Medical Nutrition
Huddinge University Hospital F60, Novum
S-141 86 Huddinge
Sweden

Merck & Co., Inc., a world leader in ethical pharmaceuticals, has established a new position within its Human Health Division to conceive, develop and present innovative systems, programs, and approaches for educating the practicing physician. These programs are intended to establish new standards for postgraduate medical education and provide practicing physicians highly stimulating learning experiences. This is an opportunity for an individual with an M.D., M.D./Ph.D., or Ph.D., with broad experience and national recognition for research in medical education, to achieve additional professional recognition and personal growth by creating programs of premier quality and content while meeting, and even exceeding, the professional needs of the practicing physician.

If you are interested in this unique position, please send your curriculum vitae, including list of publications, to Dr. G.S. Levey, Senior Vice President, Medical & Scientific Affairs, Merck Human Health Division, P.O. Box 2000, Rahway, NJ 07065. EEO/AA/VH Employer.

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PHARMACOLOGIST. Investigation and development of formulations and devices to administer proteins to the systemic circulation via the airways. Development, manufacture, and testing of novel delivery systems. The study of the transfer mechanisms across the pulmonary barrier. Development of protein drug formulations optimized for systemic delivery. Study of pharmacokinetics, pharmacodynamics and toxicity of any developed drug systems. Support of any animal and human studies which may evolve as a consequence of the research and development program. Ph.D. in pharmacology and at least 3 years of experience in drug development in the pharmaceutical industry. Salary: $55,000 per year. Job site and interview: Thousand Oaks, California. Send a resume to: Job #DC01, Sacramento, CA 95823-0560 not later than 11 May 1992.

YEAR POSITIONS OPEN

FLORIDA FOREST LANDSCAPE ECOLOGY

The USDA Forest Service in Delaware, Ohio, has a research landscape ecologist position opening up in its Forest Ecosystem Project. Salary: $30,000 to $30,500 per year. Job Site: Wooster, Ohio. Position duration is 4 years. Closing date: 1 May 1992. Please send curriculum vitae and names of three references to: Robert M. Lepage, Project Leader, Forest Ecosystem Project, USDA Forest Service, P.O. Box 50, Wooster, OH 44691.

POSITIONS OPEN

LASER (OPTICAL RADIATION) BRANCH

ARMSTRONG LABORATORY

BROOKS AFB, TX

SUPERVISORY RESEARCH PSYCHOLOGIST


POSITIONS OPEN

STAFF SCIENTIST

Staff scientist position available in clinical project investigating contribution of genetically marked peripheral blood cells to the hematopoietic reconstruction after autologous marrow transplantation. Training in molecular biology and knowledge in retrovirology requested. Salary: $27,000 per year plus excellent benefits package. Position duration is 5 years. Closing date: 1 June 1992. Please send curriculum vitae and names of three references to: Friedrich Schieven, M.D., Ph.D., The Children's Hospital, Clinical Research Division, MP-318, Fred Hutchinson Cancer Research Center, 1124 Columbia Street, Seattle, WA 98104. We are an Equal Opportunity Employer.

TEAM SCIENTIST

TENTH ANNUAL SUMMER INSTITUTE IN RISK MANAGEMENT IN ENVIRONMENTAL HEALTH AND PROTECTION AND QUANTITATIVE RISK ASSESSMENT, 9 to 12 JUNE 1992. Risk management (laws, finance, insurance, risk perception and communication, quantitative risk assessment). A limited number of applicants will be selected. A stipend of $400 will be given. Application deadline is 16 April 1992. Contact: Dr. Charles S. Frazer, Director, Institute for Environmental Health Management, University of Washington, Seattle, WA 98195.

POSITIONS OPEN

ELECTRONIC FACILITIES ENGINEER

LASER TECHNOLOGY GROUP

GM-0180-14. Serves as CHEF, Laser Materials Group (LMP). The successful candidate will be responsible for the design, development, and manufacture of optical components and related technologies. Experience with lasers and optical systems is essential. Salary: $50,516 per year. Position duration is 4 years. Closing date: 1 May 1992. Please send curriculum vitae and names of three references to: Dr. G. M. Holder, Program Director, Behavioral Science Program, Parkinson Building, Research Triangle Park, NC 27709.

POSITIONS OPEN

RESEARCH BIOLOGIST

GM-0130-14. Serves as SENIOR RESEARCHER, Biophysics Section. Performs research in intersection of optical radiation and electrical neuroscience (e.g., photoreceptor, photomotor, propagation). Individuals working in related fields but with little biological experience are encouraged to apply. Closing date: 1 May 1992.

For both positions, Ph.D., standard publication record, 10 years of postdoctoral experience are desired; U.S. citizenship required. Salary: $54,607 to $75,000 per year. Job site and interview: New Orleans, Louisiana. Salary: $38,860 per year. Position duration is 4 years. Closing date: 1 May 1992. Please send curriculum vitae and names of three references to: Dr. G. M. Holder, Program Director, Behavioral Science Program, Parkinson Building, Research Triangle Park, NC 27709.

POSITIONS OPEN

RESEARCH ASSOCIATE

Biopharmacy Branch

GM-0190-14. Serves as CHEF, Biopharmacy Section. Performs research in the development of biopharmaceuticals for ocular, dermatological, and oral delivery systems. Experience in the design and development of ocular and transdermal drug delivery systems is essential. Salary: $45,000 per year. Position duration is 4 years. Closing date: 1 May 1992. Please send curriculum vitae and names of three references to: Dr. G. M. Holder, Program Director, Behavioral Science Program, Parkinson Building, Research Triangle Park, NC 27709.

For both positions, Ph.D., standard publication record, 10 years of postdoctoral experience are desired; U.S. citizenship required. Salary: $54,607 to $75,000 per year. Position duration is 4 years. Closing date: 1 May 1992. Please send curriculum vitae and names of three references to: Dr. G. M. Holder, Program Director, Behavioral Science Program, Parkinson Building, Research Triangle Park, NC 27709.

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