bodies recognize phosphotyrosine in a wide variety of species and are useful for several immunological techniques, including protein immunoblotting, immunoprecipitation, and immunocytochemistry. Transduction Laboratories. Circle 142.

Two antibodies are available as markers of activated endothelial cells. The E-selectin antibody can be used in immunohistochemistry, enzyme-linked immunosorbent assay, and flow cytometry. The VCAM-1 antibody works on formalin-fixed, paraffin-embedded sections. It can also be used on frozen sections, cell smears, and in enzyme-linked immunosorbent assays and flow cytometry. Dako. Circle 143.

Mutagenesis Kit
The Quant-Essential T7 polymerase in vitro mutagenesis kit allows site-directed mutagenesis to be performed directly on double-stranded DNA purified on a cesium chloride gradient or by an alkaline lysis mini-prep procedure. Quantum Biotechnologies. Circle 144.

Lamp Cooling System
A compact dual-fan, closed-cycle cooling system can maintain a safe operating temperature for high-wattage lamps to 1000 W. Many instruments make use of high-powered xenon arc lamps that require water cooling for reliable operation, but providing water is often difficult. This device obviates the need to schedule experiments around the availability of a lab sink and to monopolize the sink for the duration of the experiment. The device is fitted with a pump, a heat exchange coil, and two fans to dissipate the heat of the lamp. On-Line Instrument Systems. Circle 145.

Next Generation Ames Assay
The AMAX (Ames II Mutagenic Assay by Xenometrix) system is a next generation assay for use in testing chemical compounds for potential carcinogenic effects. Six new bacterial strains engineered for the assay have considerably lower spontaneous reversion frequencies, increasing their sensitivity in detecting mutagens. Each of the six new strains reverses by only one specific base-pair substitution out of the six possible changes, giving precise information on the mutagen's effects. The new assay indicates the mutagenic potential of a substance and identifies the types of base substitution induced. Xenometrix. Circle 146.

Literature
Pall Biosupport Comes Through for You: Separations for Critical Analyses is an eight-page brochure that describes the broad range of separations capabilities Pall Biosupport media provide to users in the diagnostic, molecular biology, sample preparation, packaging, and medical devices arenas. Applications include lateral and flow-through diagnostic assays, hydrophobic and oleophilic venting, blood separation, DNA detection, and protein immobilization. Pall Corp. Circle 147.

Turbo LC Plus Method Development System is a brochure on an automated tool for developing high-performance liquid chromatography methods. The system offers many advantages, including single-point workstation control and integrated software designed for rapid method development. Perkin-Elmer. Circle 148.

Chemicon Tools for Neuroscience Research features a wide variety of antibodies and proteins. It includes antibodies to beta amyloid, choline acetyltransferase, metabotropic glutamate receptor 2/3, synaptophysin, and tyrosine hydroxylase. Chemicon International. Circle 149.

Research Product Catalog focuses on nucleic acid hybridization and detection technology. Products include a wide choice of labeled nucleotides, systems that allow researchers to produce probes, and more. Enzo Diagnostics. Circle 150.
Carl Sagan explores our obsession with the supernatural—and explodes the superstitions that many take for science.

"Eloquent and fascinating.... I wish I had written The Demon-Haunted World. Please read this book."
—Richard Dawkins, Simony Professor of the Public Understanding of Science, Oxford University, in The Times (London)

“A stirring defense of informed rationality... rich in surprising information and beautiful writing.”
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SPOTs is an easy-to-use system for determining the amino acid sequence of a peptide epitope. The SPOTs kit enables researchers of any discipline to easily synthesize a custom library of overlapping or variant peptides on a derivatized cellulose sheet. Peptide sequences corresponding to the specificity of an antibody are identified by conventional enzyme-linked or autoradiographic detection methods.

Genosys also offers a custom SPOTs service where researchers can request any number of custom peptides to be synthesized on a cellulose sheet. Prices start as low as $16 per peptide (6-15 amino acids).

Additional applications include: peptide library studies; protein-protein interactions; receptor-ligand interactions; phosphorylation studies; metal and nucleic acid binding; and enzyme-substrate interactions.

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**POSITIONS OPEN**

**STANFORD UNIVERSITY SCHOOL OF MEDICINE**  
Associate Professor (Research)  
Professor (Research)

The Division of Otolaryngology/Head and Neck Surgery invites applications for a Ph.D. or M.D. director of the Langan Laboratory, with a focus in the application of x-ray crystallography to address significant problems in structural biology, biochemistry, and pharmacology, particularly relating to development and use of tools to define human disease. The successful candidate will join an outstanding group of biologists in the MGH community. Interested applicants should send an outline of future research, a current and future independent research funding letters, and the names of three to five people familiar with the applicant's work to:

Willard E. Fee, Jr., M.D.  
Edward C. and Amy H. Sewall Professor  
Division of Otolaryngology/Head and Neck Surgery  
Stanford University Medical Center  
302 Campus Drive  
Stanford, CA 94305-5328

The University of Vermont is committed to increasing representation of women and members of minority groups in its faculty and particularly encourages applications from such candidates.

**DENMARK**

**University of Copenhagen**  
Assistant Professor (Research)  
Chair in Microbiology

The Department of Microbiology and Immunology invites applications for a 2-year renewable position. Applications are invited from candidates at the rank of assistant or associate professor. Excellent laboratory facilities are available. The successful candidate is expected to develop an independent research program and to teach at the undergraduate and graduate levels. Interested persons should submit a letter of application, a curriculum vitae, a statement of research interests, and the names of three to five references to the Chair, Department of Microbiology, University of Copenhagen, Vesterbro, DK-1450, Copenhagen V, Denmark. E-mail: mdmi@mbi.ku.dk

**FACULTY POSITION**

**X-ray Crystallography**

The Department of Pediatrics at Massachusetts General Hospital (MGH) and Harvard Medical School is seeking applications for a position at the ASSISTANT PROFESSOR level to be located at MGH. Applications are particularly encouraged from women and members of minority groups. The position involves research in x-ray crystallography to address significant problems in structural biology, biochemistry, and pharmacology, particularly relating to development and use of tools to define human disease. The successful applicant will join an outstanding group of biologists in the MGH community. Interested applicants should send an outline of future research, a current and future independent research funding letters, and the names of three to five people familiar with the applicant's work to:

Professor Alan E. Ackowitz  
Chief, Pediatric Service  
Massachusetts General Hospital  
15 Parkman Street, WAC 731  
Boston, MA 02114-3139

Women and minorities are encouraged to apply.

Harvard University and Massachusetts General Hospital are Equal Opportunity Employers.

**FACULTY POSITIONS**

**in vascular engineering**

The Department of Biomedical Engineering, University of Virginia, invites applications for three tenure-track positions in Biomedical Engineering at the Assistant/Associate Professor rank, with research interests in technology development and basic studies in one of three areas: 1) molecular genetics including gene targeting, vascular gene expression, or transfection of vascular tissues; 2) gene therapy on in vitro cardiovascular function; and 3) cellular mechanisms of wound healing and prevention. Successful candidates will participate in a vascular engineering program that has special strengths in vascular biology, angiogenesis, cell adhesion, microvascular remodeling, and ultrasound and MR imaging. Applicants must hold a Ph.D. in relevant areas. Postdoctoral and industrial experience are viewed favorably. Please submit a curriculum vitae, a two-page research plan, and names and addresses of three references to: J. S. Lee, Chair, Department of Biomedical Engineering, Box 377, Health Sciences Center, University of Virginia, Charlottesville, VA 22908. We are an Equal Opportunity Employer.

**FACULTY POSITION**

**ENDOWED CHAIR IN IMMUNOLOGY**

Department of Internal Medicine  
University of Michigan Medical Center

The Division of Rheumatology is seeking an outstanding investigator for the newly established William D. Robinson and Frederick Huetwell Professorship. This position is intended to support a research program in basic immunology involving lymphocyte signal transduction, antigen receptor biology, immunogenetics, or other areas of molecular immunology. Applicants must have an outstanding record of research accomplishment, and will interact with basic scientists, clinical investigators, and students. An M.D. and/or Ph.D. degree (or equivalent) is required. Please respond to: Gary J. Nabel, M.D., Ph.D., Chair, Robinson/Huetwell Search Committee, c/o Gigi Rose, Rheumatology Division, 3918 Taubman, 1500 East Medical Center Drive, Ann Arbor, MI 48109-0385. The University of Michigan is a nondiscrimination, affirmative action employer.

**FACULTY POSITION**

**Pharmacology and Toxicology**

A tenure-track faculty position at the ASSISTANT or ASSOCIATE PROFESSOR level is available in the Department of Medical Pharmacology and Toxicology, College of Medicine, Texas A&M University. The successful candidate is expected to develop a strong independent research program and participate in medical and graduate teaching. All research areas of pharmacology are relevant. The position will be available in the fall of 1996. Applications should include curriculum vitae, selected reprints, statement of research interests, and three letters of reference. Review of applications will begin August 1, 1996 and will continue until the position is filled. Please send your application to: Dr. E. B. Chair, Search Committee, Department of Medical Pharmacology and Toxicology, Texas A&M University Health Science Center, College Station, TX 77843-1114. Equal Opportunity Employer.
**Senior Scientists**

**Oncology/Immunology Research**

Wyeth-Ayerst Research, a major division of Fortune 150 American Home Products Corporation, has opportunities for highly talented and motivated individuals within the Oncology and Immunology Research Section, a major division of Research and Development, located in Pearl River, New York. Join our growing efforts to develop novel pharmaceuticals for the treatment of cancer.

**Endocrine Oncology**

We are currently building a major focus directed at understanding and controlling breast, ovarian, and prostatic cancers. This effort will include the design and implementation of high-throughput screens for agents that selectively inhibit the growth of breast cancer as well as an exploratory program for novel targets in endocrine cancers. Expertise in signal transduction, hormonal control, cell cycle control, or transcriptional regulation is sought. A proven publication record and/or patent record is desired. Position #OPSCI-1835.

**Cell Biologist**

This Senior Research position works with a well integrated group of biologists, molecular biologists and chemists studying the molecular pathways regulating apoptosis. Expertise in the regulation of intracellular calcium and protein kinase pathways as they relate to programmed cell death or transcriptional activation of “death genes” is required. Position #OPSCI-1714.

**Signal Transduction**

This Senior Research position in Signal Transduction Antagonist Drug Discovery requires experience in the biochemistry and molecular biology of eukaryotic signal transduction pathways. Position #OPSCI-1891.

Candidates for the above positions must have a Ph.D. in Life Sciences with a minimum of 3 years relevant post-doctoral experience, or the equivalent.

Wyeth-Ayerst Research has a long-standing commitment and proven track record in Oncology and Women’s Health. In addition, we offer an excellent compensation and benefits package in a highly professional environment. Please send your resume with salary requirements and Position # to: Wyeth-Ayerst Research, Human Resources Dept., P.O. Box 7886, Philadelphia, PA 19101-7886, or fax your resume (in fine mode if possible) directly into our centralized Research resume database at (610) 989-4854. e-mail: jobs@RAMAIL1.wyeth.com (ASCII format, no attachments, subject: resume). Principals Only. Equal Opportunity Employer, M/F/D/V.

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**CELLULAR AND MOLECULAR NEUROBIOLOGY**

**Postdoctoral Positions**

Postdoctoral positions are available at the Worcester Foundation for Biomedical Research to study cellular and molecular aspects of neurobiology. These positions are supported by an NIH Training Grant. The faculty and their research interests are:

- **HAGAN RAYFLY**: Protein kinases in neuronal modulation; genetic engineering of membrane channels and pores.
- **B. ROB JACKSON**: Molecular genetic analysis of circadian rhythms and other neural functions in Drosophila.
- **MICHELLE JACOB**: Molecular mechanisms of neuronal synapse formation; viral-vector mediated gene transfer in vivo.
- **DANIEL KILPATRICK**: Transcriptional regulation of neuronal differentiation.
- **STEFAN LAMBERT**: Role of membrane-cytoskeleton interactions during axonal outgrowth and myelination.
- **JOSÉ MELMAS**: Stimulus-secretion coupling at nerve terminals; mechanisms modulating neurotransmitter release.
- **ROBERT O’CONNELL**: Neurobiology of quality perception in olfaction including stimulus detection, transduction, coding and behavior.
- **ALONZO ROSS**: Neurotrophin receptors, signal transduction and differentiation.
- **RICHARD VALLER**: Microtubule motor proteins; synaptic GTPase dynamics.
- **ZUOSHIANG XU**: Neurofilaments, SOD1 and motor neuron disease.

Send curriculum vitae and names of references to the faculty member(s) of interest, c/o Human Resources, Worcester Foundation for Biomedical Research, 222 Maple Avenue, Shrewsbury, MA 01545, USA. EOE/AA/M/F/P/R.

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**PRIZM Pharmaceuticals, Inc.** is a privately held biotechnology company focused on the regulation of cell growth utilizing our growth factor biology expertise.

**DIRECTOR, PROCESS DEVELOPMENT**

The selected candidate will be responsible for all aspects of scale-up and manufacturing of clinical supplies. This will encompass directing a multi-functional group in the design, implementation and scale-up of recombinant protein-based drugs. Requires an M.S. or Ph.D. in Biochemical Engineering, Biochemistry, or Microbiology, 10+ years’ industrial experience including 5+ years’ management experience, and a strong background in one of the following areas: protein purification; E. coli fermentation scale-up in GLP/GMP environment; formulation; statistical process control and process validation; knowledge of GLP/GMP, IND requirements.

**FORMULATION SCIENTIST**

This scientist will develop liquid and lyophilized formulations of bulk recombinant protein and screening protein formulations for unique device and delivery applications. Responsibilities include: formulation development; preformulation and stability studies; preparation of technical reports and SOPs; and transfer of formulation technology to contract facilities. Requires a Ph.D. in Chemistry, Pharmaceutical Chemistry, or Biochemistry with 3 years’ industry experience.

Please send your c.v. to: PRIZM Pharmaceuticals, Inc., Human Resources/Ref. SC, 11035 Roselle Street, San Diego, CA 92121, FAX 619/625-0050. EOE.
Tenure-Track Positions
Assistant Professor Equivalent

Cell-Wall Biochemistry and Molecular Biology of M. tuberculosis

A position is available to develop an independent research program in cell-wall biochemistry and molecular biology of M. tuberculosis. The program will be targeted at understanding molecular structures and mechanisms relevant to human disease with the aim of identifying and developing potential drug targets for the treatment of tuberculosis. A minimum of three years postdoctoral experience in such subjects as chemistry, molecular biology, biochemistry and mechanistic enzymology is required. Closing date is July 1, 1996. Chief, Administrative and Facilities Management Section (OB-116), NIAID, Rocky Mountain Laboratories, 903 South 4th Street, Hamilton, MT 59840.

Molecular Genetics of Neisseria gonorrhoeae

A position is available in the Laboratory of Microbial Structure and Function for an MD or PhD scientist to develop an independent research program related to molecular genetics of Neisseria gonorrhoeae, with special focus on variable expression of genes whose products are related to pathogenicity. Space, technical and postdoctoral fellow support, supply budget, and salary are committed. Training in recombinant techniques, microbiology, nucleotide chemistry and sequencing are required. Considerable previous work on pathogenic neisseriae is desirable. Dr. Claude Garon, Chairperson, Tenure Track Search Committee (OB-116), NIAID, Laboratory of Microbial Structure and Function, Rocky Mountain Laboratories, 903 South 4th Street, Hamilton, MT 59840.

Two Postdoctoral Positions at NCI, NIH

The control of retrovirus gene expression and mRNA processing are under investigation (David Derse, Ph.D., Retrovirus Pathogenesis Group). Research will focus on characterizing interactions among mRNA sequences, cell splicing factors, and retrovirus regulatory proteins (Rev). Applicants should have a strong background in molecular biology and virology.

The cellular interactions and signal transduction events elicited by a member of the Eph family of receptor tyrosine kinases as well as candidate ligands are being studied. Emphasis is placed on signal function during Xenopus laevis embryonic development (Ira Daar, Ph.D., Developmental Signal Transduction Group). Candidates should have a strong background in molecular, cellular, or developmental biology.

Applicants must have less than 5 years of postdoctoral experience. Curriculum vitae and three letters of references should be sent to the appropriate mentor at: The Laboratory of Leukocyte Biology, Division of Basic Sciences, NCI-FCRD, Building 567, Frederick, MD 21702. E-mail: derse@ncifcrf.gov or daar@ncifcrf.gov.

Medical Statistician

The National Cancer Institute is seeking a medical statistician in the Biostatistics Branch of the Division of Cancer Epidemiology and Genetics. This scientist will design, conduct, and analyze observational and experimental studies of cancer in human populations to enhance our understanding of environmental and genetic determinants of cancer. Ongoing studies include an observational study on progression of precancerous gastric lesions and an intervention trial to prevent their progression. Candidates must have clinical experience; strong background in medical and biological sciences; mastery of statistical methods to design and analyze epidemiological studies and clinical trials, and to develop new analytic approaches. They should have an MD, as well as a PhD in statistics. Closing date is May 10, 1996. Ms. Judy Schwadron, Program Analyst (OB-116), NCI, Executive Plaza North, Room 634G, Bethesda, MD 20892.

To Apply

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

New Web Site


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Two Postdoctoral Positions at NCI, NIH

The control of retrovirus gene expression and mRNA processing are under investigation (David Derse, Ph.D., Retrovirus Pathogenesis Group). Research will focus on characterizing interactions among mRNA sequences, cell splicing factors, and retrovirus regulatory proteins (Rev). Applicants should have a strong background in molecular biology and virology.

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Applicants must have less than 5 years of postdoctoral experience. Curriculum vitae and three letters of references should be sent to the appropriate mentor at: The Laboratory of Leukocyte Biology, Division of Basic Sciences, NCI-FCRD, Building 567, Frederick, MD 21702. E-mail: derse@ncifcrf.gov or daar@ncifcrf.gov.

SCIENTIST

Solvay Animal Health, Inc., a leader in the development, manufacture and marketing of vaccines and pharmaceuticals for animal health, has an immediate need for a Scientist in our R&D Biological Development Department located in our Corporate Headquarters near St. Paul, MN.

Responsibilities include planning and designing specific projects plus providing scientific and technical leadership for these projects.

Requirements include a Ph.D. with emphasis in Genetic Engineering; 3+ years of experience in cloning and expression of foreign genes; PCR; mutagens and sequencing in addition to Virology or Bacteriology background. Excellent interpersonal, communication and organization skills necessary, as is the ability to work independently.

Solvay offers an excellent compensation package plus flex benefits including a 401(k) and relocation. Please fax your resume to (612) 681-3709 or mail to:

Human Resources Administrator
SOLVAY ANIMAL HEALTH, INC.
1201 Northland Drive
Mendota Heights, MN 55120

Equal Opportunity Employer
POSTDOCTORAL FELLOWSHIPS

DNAX Research Institute, located near Stanford University, carries out basic research in Immunology and Molecular Biology in an open, academic environment. We are looking for motivated individuals who can contribute to our enthusiastic and productive research program for a period of 2-3 years.

A postdoctoral position currently is available in the laboratory of Dr. Thomas Schall to study the immunoregulatory actions of chemokines. Strong background in one or more of the following areas is essential: molecular biology, analysis of transgenic and targeted gene deletion mice, infectious disease, and receptor/ligand/signaling interactions.

We also are seeking an individual to participate in studies into the structure of the IL-10 receptor and its variable functions on different cell types. Specific topics may include: interaction of recombinant receptor components with modified ligands, regulation of receptor expression in response to external stimuli, and identification and characterization of IL-10 inducible genes.

An additional position is available involving gene targeting studies of novel molecules in the immune/hematopoietic systems, including the use of inducible and lineage specific approaches to gene targeting.

Qualified applicants should send a curriculum vitae, statement of research interests, and the names of 3 references to the Human Resources Department, DNAX Research Institute, 901 California Ave., Palo Alto, CA 94304. DNAX is an equal opportunity employer m/f/h/v.

DEAN
DIVISION OF SCIENCE
COLLEGE OF LIBERAL ARTS AND SCIENCES (CLAS)

CITY COLLEGE OF NEW YORK/CITY UNIVERSITY OF NEW YORK

The City College of New York invites applications and nominations for the position of Dean of the Division of Science. The Division of Science, a unit of the College of Liberal Arts and Sciences at City College, comprises five academic departments (Biology, Chemistry, Earth and Atmospheric Sciences, Mathematics and Physics).

City College is the oldest senior college in the City University of New York system, and has been committed to the dual goals of accessibility and academic quality since its founding in 1847. The College campus occupies thirty-five tree-lined acres along Convent Avenue from 131st to 141st Street in the Borough of Manhattan. It has an international reputation for its ability to promote scholarly excellence in students of diverse ethnic and cultural backgrounds and economic circumstances. The College ranks fourth nationally in the number of students who have gone on to earn doctorates. The Science Division is a major center for research and scholarship, generating over $11,000,000 in research funding per year. The Division boasts eight Nobel prize winners among its alumni.

The Division of Science awards undergraduate and master's degrees in all of its departments. The faculty contribute to a number of doctoral programs housed on campus and at the Graduate School and University Center.

The Dean assumes leadership in the management and administration of the Division, curriculum development, program planning, budgeting, and the acquisition of external funding. The Dean reports to the Provost and maintains liaisons with other administrators of the College, Federal, State and City agencies, related organizations and associations, and community leaders.

Candidates should possess distinguished records of scholarship and teaching, significant academic administrative experience, and strong leadership qualities and communication skills. Candidates should currently hold a tenured faculty position or equivalent, and have administrative experience at least at the level of Department Chair or equivalent. Individual should qualify for appointment at the rank of full professor in one of the departments of the Division, through demonstrated excellence in teaching, scholarship, and service. Individual should be responsible for the needs of faculty and the diverse student body, and committed to cultural and intellectual diversity. Candidates should be able to serve as effective and forceful advocates of the role of the Sciences and have a demonstrated commitment to public education. A knowledge of the institutional dynamics of a public and urban University system such as CUNY would be desirable.

Salary: $89,762 - $103,867. Applicants should send a letter of interest, their curriculum vitae, and the names, addresses and telephone numbers of at least four professional references. Nominations should be accompanied by the nominee's curriculum vitae. Applications must be postmarked no later than May 3, 1996. An appointment effective August 1 is anticipated.

Applications and nominations should be addressed to:

Search Committee for the Dean of the Division of Science, CLAS Administration Building, Rm 206
The City College of CUNY
Convent Avenue at 138th Street, New York, NY 10031

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CANCER PHARMACOLOGY
ASSOCIATE MEMBER IN
MOLECULAR PHARMACOLOGY

St. Jude Children's Research Hospital

A Senior Faculty position is available for an outstanding scientist holding a Ph.D. or M.D. degree, with an established research program focused on molecular aspects of the biology or treatment of malignant diseases. Opportunities exist for the application of basic and translational research. Excellent support for continuing this program will be provided. Currently, the Molecular Pharmacology Department at St. Jude Children's Research Hospital is comprised of ten faculty with independent research programs investigating molecular targets of drug action, growth factor receptors, signal transduction pathways, oncogenes, tumor suppressor genes, apoptosis, nuclear trafficking, xenograft models, and their relationship to therapy of neoplastic diseases.

The campus, a renowned center for biomedical research, provides a state-of-the-art research environment encompassing the fields of molecular and cell biology, biochemistry, molecular pharmacology, neurobiology, genetics, virology, gene regulation, immunology, infectious diseases, pharmacological sciences, gene therapy, and clinical therapy of cancer. The two research towers presently house over 300 doctoral level laboratory and clinical scientists to provide an interactive and productive scientific environment. Extensive institutional core facilities are available to provide support for all laboratory and clinical programs, and include DNA and protein chemistry, transgenic/knockout technology, flow cytometry, hybridoma production, confocal and electron microscopy.

Candidates should send a CV, summary of research interests and the names of three references to:
Dr. Janet A. Houghton; Chair, Search Committee, Department of Molecular Pharmacology, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38105-2794.

St. Jude Children's Research Hospital is an equal opportunity employer/affirmative action employer.
The Louisiana Universities Marine Consortium (LUMCON) invites applications for a TENURE-TRACK faculty position in microbial ecology. Applicants with expertise in microbial studies related to the biogeochemical cycles of C, N, P, S, or metals are strongly encouraged. This position is available as of Fall 1996. Research interests will be in the general area of research in teaching and research. It involves 140 undergraduate chemistry majors and 90 graduate students and teaches approximately 2,000 students per year. There are active research programs in organic, biological, inorganic, physical, and theoretical chemistry. We particularly seek a Chairperson who will continue our development in organic chemistry and research in the general area of ecology.

The position is available September 1, 1996. Screening of candidates will begin immediately and will continue until the position is filled. Applicants are requested to send a letter describing their current research interests to: Professor Edward Loechler, Chairman, Chemistry Search Committee, The Graduate School of Arts and Sciences, Room 115, Boston University, 705 Commonwealth Avenue, Boston, MA 02215. Boston University is an Affirmative Action/Equal Opportunity Employer.

EAST TENNESSEE STATE UNIVERSITY

RESEARCH FELLOWS/INSTRUCTORS
Experienced Ph.D.'s to work on the molecular mechanisms of regulation of cholesterol biosynthetic genes in cultured cells. Salary negotiable. Deadline for applications is July 1, 1996. Apply to: Dr. James Sinensky, Chairman, Department of Chemistry, E. H. Quillen College of Medicine, East Tennessee State University, Box 70881, Johnson City, TN 37614-0818. Positions are available September 1, 1996. The University is an Affirmative Action/Equal Opportunity Employer. Foundation.

PROFESSOR AND ASSOCIATE DIRECTOR, Marine Programs

Applications or nominations are invited for ASSOCIATE DIRECTOR of the University of Georgia’s School of Marine Programs. The Associate Director will spend approximately one-half of his or her time working with the School Director. The University of Georgia Marine Sciences and on interdisciplinary projects involving the other units of the School (The Marine Institute, The Marine Extension Service, and the Georgia Sea Grant College Program). We seek an established marine scientist qualified for appointment as a tenure-track Associate Professor or Full Professor of Marine Sciences who will maintain an active, funded research program and participate in our instructional programs. Area of research specialty is open but potential for interactions with our ongoing research programs in nearshore marine processes and animal behavior, marine biology, earth science, ocean biogeography, statistical analysis, and community processes is desired. Applicants should have a Ph.D. and a record of publication and teaching. An active, documented program of research and an excellent teaching history are essential.The position includes teaching responsibilities in freshwater biology for the summer session and research assistantships at the Center for Regenerative Studies with responsibilities in aquatic biology. The successful candidate is expected to develop and sustain an independent research program. The anticipated starting date for the position is September 1996. Further information at: http://www.sci.cupomona.edu/biology/freshbio.htm. Applicants should send a letter of interest, curriculum vitae, and 3 letters of reference to: Search Committee, Department of Biological Sciences, California State Polytechnic University, Onetechnic Avenue, Pomona, CA 91768. Fax: 909-869-4078; Email: RDQUINN@cupomona.edu. Closing date: May 20, 1996. California State Polytechnic University, Pomona, is an Affirmative Action/Equal Opportunity Employer committed diversity.

MOLECULAR BIOLOGIST

Harvard Medical School and Massachusetts Eye and Ear Infirmary

An academic appointment will be made in the Department of Otolaryngology at either the ASSISTANT or ASSOCIATE PROFESSOR level. Applicants should have an established record of national recognition in research, a history of obtaining external research funding, and a strong interest in establishing collaborations with other scientists within the Massachusetts Eye and Ear Infirmary. Successful candidates will develop a research program and will be expected to mentor graduate students and post-doctoral fellows. Individuals will be expected to obtain external funding. A cover letter, curriculum vitae, description of current research and future goals, and 3 letters of reference should be sent to: Dr. John J. Sinensky, Chairman, Search Committee Chair, Department of Otolaryngology, 243 Charles Street, Boston, MA 02114. Email: wsl@ep.meei.harvard.edu. Applications from minorities and women are encouraged. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

MICROBIAL ECOLOGIST

The University of Georgia's School of Marine Sciences invites applications for a full-time, tenure-track position available Fall 1996. Applicants will be expected to teach undergraduate and graduate courses and advise students in the field of microbial ecology. They should have a Ph.D. in marine science, biology, or a related field. The successful candidate will be expected to develop an active research program in marine microbiology. The position will include teaching responsibilities in Marine Sciences and on interdisciplinary projects involving the other units of the School (The Marine Institute, The Marine Extension Service, and the Georgia Sea Grant College Program). An established marine scientist with research interests in marine microbiology is preferred. The University is an Affirmative Action/Equal Opportunity Employer. Foundation.

POSITIONS OPEN

Chairman

Department of Chemistry

Boston University

Applications and nominations are invited for the position of CHAIRMAN of the Department of Chemistry at Boston University. The Department of Chemistry is one of the original units of the University. Graduates of the program constitute an outstanding alumni, and the faculty is recognized for excellence in teaching and research. The Department of Chemistry offers a wide range of courses in chemistry, and its research program is well established. The position involves leadership of the Department and administration of its educational and research activities. Applicants should have a Ph.D. in chemistry or a closely related field, experience in research and teaching, and a strong commitment to the development of undergraduate and graduate education. Applicants should also have research interests in areas related to the Department's existing programs. The successful candidate will be expected to develop an active research program in a field of their choice, to advise graduate students, and to participate in the development of undergraduate and graduate education. The Department of Chemistry at Boston University is an Equal Opportunity/Affirmative Action Employer.

EAST TENNESSEE STATE UNIVERSITY

RESEARCH FELLOWS/INSTRUCTORS

Experienced Ph.D.'s to work on the molecular mechanisms of regulation of cholesterol biosynthetic genes in cultured cells. Salary negotiable. Deadline for applications is July 1, 1996. Apply to: Dr. James Sinensky, Chairman, Department of Chemistry, E. H. Quillen College of Medicine, East Tennessee State University, Box 70881, Johnson City, TN 37614-0818. Positions are available September 1, 1996. The University is an Affirmative Action/Equal Opportunity Employer.

PROFESSOR AND ASSOCIATE DIRECTOR, Marine Programs

Applications or nominations are invited for ASSOCIATE DIRECTOR of the University of Georgia’s School of Marine Programs. The Associate Director will spend approximately one-half of his or her time working with the School Director. The University of Georgia Marine Sciences and on interdisciplinary projects involving the other units of the School (The Marine Institute, The Marine Extension Service, and the Georgia Sea Grant College Program). We seek an established marine scientist qualified for appointment as a tenure-track Associate Professor or Full Professor of Marine Sciences who will maintain an active, funded research program and participate in our instructional programs. Area of research specialty is open but potential for interactions with our ongoing research programs in nearshore marine processes and animal behavior, marine biology, earth science, ocean biogeography, statistical analysis, and community processes is desired. Applicants should have a Ph.D. and a record of publication and teaching. An active, documented program of research and an excellent teaching history are essential. The position includes teaching responsibilities in freshwater biology for the summer session and research assistantships at the Center for Regenerative Studies with responsibilities in aquatic biology. The successful candidate is expected to develop and sustain an independent research program. The anticipated starting date for the position is September 1996. Further information at: http://www.sci.cupomona.edu/biology/freshbio.htm. Applicants should send a letter of interest, curriculum vitae, and 3 letters of reference to: Search Committee, Department of Biological Sciences, California State Polytechnic University, Onetechnic Avenue, Pomona, CA 91768. Fax: 909-869-4078; Email: RDQUINN@cupomona.edu. Closing date: May 20, 1996. California State Polytechnic University, Pomona, is an Affirmative Action/Equal Opportunity Employer committed diversity.

RESEARCH ASSOCIATE

The University of Kansas Medical Center Institutional Transgenic Facility has an opening for a RESEARCH ASSOCIATE. This position will report to the Director of the facility. Requires M.S. or Ph.D., or equivalent degree, preferably in biology, cell biology, physiology, or animal science, with a solid background in reproductive biology; expertise in animal husbandry, and embryo manipulation and microinjection, experience in animal care and management, interpersonal and technical skills and ability to work independently. Preference experience in molecular biology. Please send or fax resumes to: Dr. Glen Andrews, Department of Biochemistry and Molecular Biology, University of Kansas Medical Center, 3901 Rainbow Boulevard, Kansas City, KS 66160-7421. FAX: 913-588-7440. Only candidates under consideration will be contacted. An Equal Opportunity/Affirmative Action Employer.
NIOSH has established a new state-of-the-art research facility and research division in Morgantown, WV, to conduct applied and multifaceted laboratory-based research into the diagnosis, mechanisms, and prevention of adverse health effects due to workplace exposure to hazardous substances or agents.

The Toxicology and Molecular Biology Branch currently has openings for 4 Team Leader positions with responsibility to recruit and supervise a staff, and to develop research programs in one of the following areas:

Molecular Toxicology/Molecular Biology. To identify molecular biomarkers of exposure, effect, and disease associated with adverse occupational agents and to study potential susceptibility genes that affect work-related diseases associated with specific organ/systems such as the liver, hematopoietic, or immune systems.

Neuroscience/Neurotoxicology. To identify and study neurological biomarkers (e.g., changes in gene expression or neuropeptides) associated with neurotoxic agents with potential occupational exposure.

Dermatotoxicology. To study molecular and cellular events responsible for irritant contact dermatitis (e.g., adhesion molecules, skin-nervous system interactions) associated with agents with potential occupational exposure.

Molecular Carcinogenesis. To study molecular events associated with carcinogenesis which allow development of biomarkers that identify exposure to or predate clinical diagnosis of potential workplace-related carcinogens.

For a complete application package, contact: NIOSH, HELD, 1095 Willowdale Road, Morgantown, WV 26505, (304) 285-6060; or the CDC Home Page at http://www.cdc.gov. Applications will be accepted until May 3, 1996 for nonfederal applicants and until May 7, 1996 for federal applicants. U.S. citizenship required. CDC/NIOSH is an Equal Opportunity Employer.
THE ROCKEFELLER UNIVERSITY HOSPITAL
CLINICAL SCHOLARS

The Clinical Research Center at the Rockefeller University is seeking M.D.'s or M.D./Ph.D.'s who wish to develop a commitment to patient-oriented research in the biomedical sciences. The opportunity will be provided to work in one of 14 major laboratories now actively using the Hospital. Clinical Scholars will participate in current clinical research, develop independent clinical programs and acquire laboratory skills to enable their development as independent investigators. The Hospital provides an unequalled opportunity for intensive clinical investigation, devoid of any clinical responsibilities other than those required for research subjects. Applications are now being considered from licensed physicians for appointments as early as July of this year.

Please send curriculum vitae and a letter describing clinical investigative interests directly to appropriate participating laboratories at:

The Rockefeller University
1230 York Avenue
New York, NY 10021-6399

The Rockefeller University is an equal opportunity employer and has an affirmative action program to increase the employment of women and members of protected groups at all job levels.

PARTICIPATING LABORATORIES

J.L. Breslow — Atherosclerosis
R. Darnell — Paraneoplastic Syndromes
J. Friedman — Obesity
D. Ho — HIV/AIDS
M. Karayiougou — Schizophrenia
M.J. Kreek — Addiction
J. Krueger — Dermatology
R.L. Leibel — Obesity
M. Nussenzweig — Human Immunodeficiencies
J.V. Ravetch — Immunology
T.P. Sakmar — Signal Transduction Defects
R. Steinman — Immunology/AIDS
M. Stoffel — Diabetes Mellitus
J.B. Zabriskie — Multiple Sclerosis

The University of Texas M.D. Anderson Cancer Center

MULTIDISCIPLINARY PROSTATE CANCER RESEARCH PROGRAM

The University of Texas M.D. Anderson Cancer Center is launching a major new integrated multidisciplinary program in Prostate Cancer Research in conjunction with the Departments of Urology, Cell Biology, and Genitourinary Medical Oncology. Ample resources of dedicated laboratory space and research personnel and a substantial financial base is being secured for this program. We are seeking scientists for faculty positions to add to our critical contingent of researchers interested in the biology and therapy of human prostate cancer.

- A position at the Professor level for a senior scientist with a record of outstanding achievement in research, extramural funding, administration, and graduate training;
- Two positions at the Assistant or Associate Professor level for scientists with exceptional accomplishments in cancer biology (systemic, cellular, molecular, and biochemical).

Candidates should have a Ph.D. or an M.D. degree with a track record of research in molecular biology and interest in the study of prostate cancer. Applicants should send curriculum vitae, a 1-2 page summary of research activities, and the names of three references to:

Andrew C. von Eschenbach, M.D.
Director of the Prostate Research Cancer Program
Chairman, Department of Urology, Box 110
The University of Texas M.D. Anderson Cancer Center
1515 Holcombe Blvd.
Houston, TX 77030

The University of Texas is an Affirmative Action/Equal Opportunity Employer and encourages minorities and women to apply. Smoke-free environment.
Program of Excellence in Molecular Biology of the Heart and Lung Special Postdoctoral Positions

The University of Cincinnati Program of Excellence in Molecular Biology of the Heart and Lung, funded by the National Heart, Lung and Blood Institute of NIH, has as its goal the application of molecular genetic approaches to study heart and lung function. The Program is open to Ph.D.s or M.D.s with training in molecular biology who wish to apply their skills to significant problems of heart or lung, or to individuals with strong backgrounds in heart and lung who wish to develop molecular tools for continued study of these problems. We are particularly interested in recruiting women and minorities to the Program. Stipends begin at $31,000 per year with benefits. The faculty and their interests are described below.

Jerry B. Lingrel
Na,K-ATPase gene regulation, enzyme phosphorylation and structure-function studies

Jeffrey Whitsett
Molecular biology of lung development of lung specific gene expression

Paul Rosevar
Cardiac troponin: Elucidation of calcium dependent protein-protein interactions using heteronuclear multidimensional NMR

Gary Shull
Role of ion-transport proteins in cardiac function and control of arterial blood pressure using gene targeting technology

Jeffrey Robbins
Targeted modification of the cardiac contractile proteins and growth and developmental control of cardiac muscle

Steven Potter
Manipulating genes important in heart and lung development by insertional mutagenesis and targeted modification in ES cells

Thomas Doetschman
Role of growth and differentiation factors in the development and function of heart and lung using targeted gene modification in the mouse

Anil Menon
The genetics of human cardiovascular disease

Stephen Liggett
Molecular biology, pharmacology and structure-function of cardiopulmonary adrenergic receptors

Applicants should submit a C.V. and the names of three references to Jerry B. Lingrel, Ph.D., Director, Program of Excellence in Molecular Biology, Department of Molecular Genetics, Biochemistry, and Microbiology, University of Cincinnati College of Medicine, Cincinnati, Ohio 45267-0524.

Affirmative Action/Equal Opportunity Employer
POSITIONS OPEN

GEORGE MASON UNIVERSITY
Molecular Biologist

The Department of Biology seeks applications for a TENURE-TRACK position beginning 1997-98 or sooner. Candidates are expected to participate in undergraduate and graduate teaching and to have a robust independent research program with evidence of the ability to acquire external funding. Candidates will also be expected to de
velop new courses in molecular biology that incorporate innovative uses of teaching technologies. The department provides a stimulating environment in the fields of organ
ismal biology, microbiology, environmental science, bio-
technology, and molecular genetics. Opportunities are available for interdisciplinary teaching and interaction with the American Type Culture Collection (ATCC) and the Molecular Biology and Technology Institute (MBTI) at GMU’s campus in Manassas, Virginia. Applications must include a statement of teaching and research interests, and three letters of recommendation to:

MSN 3E1
Chair: Molecular Biology Search Committee
Department of Biology
George Mason University
4400 University Drive
Fairfax, VA 22030-4444

Review of applications will begin on May 27, 1996 and will continue until the position is filled. Position availability pending budgetary approval. George Mason University is an Affirmative Action/Equal Employment Opportunity Employer.

CALL FOR PROPOSALS

The Lympahgiosclerosis (LAM) Foundation is offering two POSTDOCTORAL FELLOWSHIPS for the study of the cellular and molecular basis of LAM. Maximum annual award for each fellowship will be $35,000, renewable for up to two additional years.

Examples of competitive proposals include those that fo
cus on the genetic factors, cellular signaling pathways, and
hormonal stimuli that result in smooth muscle cell prolifera
tion and disruption of pulmonary, renal, and lymphatic function. Mechanistic, hypothesis-driven approaches of all types are welcomed but monies will not be awarded for
clinical training. Deadline for applications is September 1, 1996, funding will begin October 1, 1996. Please write to: The LAM Foundation, 10105 Beacon Hills Drive, Cincinnati, OH 45241.

POSTDOCTORAL POSITION: A recent Ph.D. is needed to study the proliferation of airway smooth mus
cle. The project is focused on the activation of MAP
kinase signalling pathways by several transmembrane recep
tors. Molecular biology experience is required. Please for
ward curriculum vitae to: James Posada, Ph.D., Depart
ment of Molecular Physiology, University of Ver
mont, Burlington, VT 05405. Telephone: 802-656-
5776; Email: posada@salus.mecd.uvm.edu.

TWO POSTDOCTORAL POSITIONS available to study signal transduction and gene regulation in inflam-
mation (asthma). Experience in molecular biology and who
could be available to work with someone with an interest in the biology of asthma. Information on the project and names of references to: Dr. Prabir Ray and An
uradha Ray, Department of Internal Medicine/Pul
monary Section, Yale University School of Medicine, LC160 333 Cedar Street, New Haven, 06520.
Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available to study the adaptive regulation of transporters and receptors in human brain. NIDA-funded multidisciplinary studies in
clude pharmacology, biochemical, and molecular biol
ogy approaches. The successful candidates will have a Ph.D. and experience in HPLC, GC/MS, ligand binding, receptor autoradiography, in vivo hybridization, solution hybridiza
tion, and PCR experiments. Two of the positions will focus on the biology of cocaine and the other on the biology of amphetamine and the names and telephone numbers of three references to: De
borah C. Mash, Ph.D., Department of Neurology, University of Miami, 1501 NW 9th Avenue, Miami, FL 33136. Email:dmash@mednet.med.miami.edu.

POSTDOCTORAL ASSOCIATE RESEARCH SCIENTIST

(Two Positions)

Positions immediately available for research on the cellular
biology or viral aspects of drug virus and its interaction with
neurons. Candidates should have a background in molecular and cellular biology. Experience in some of the following techniques would be an advantage: molecular cloning, tissue cultural transduction of DNA into eukary
otic cells, yeast-two hybrid system, immunocytometri
cy, protein purification, and Western blotting. Ph.D. or
equivalent necessary. Apply to: Dr. Anne A. Gershon, Columbia University, PVN, 630 West 168th Street, New York, 10032.
Columbia University is an Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATE RESEARCH SCIENTIST

(Two Positions)

Positions immediately available for research on the cellular
biology or viral aspects of drug virus and its interaction with
neurons. Candidates should have a background in molecular and cellular biology. Experience in some of the following techniques would be an advantage: molecular cloning, tissue cultural transduction of DNA into eukary
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cy, protein purification, and Western blotting. Ph.D. or
equivalent necessary. Apply to: Dr. Anne A. Gershon, Columbia University, PVN, 630 West 168th Street, New York, 10032.
Columbia University is an Equal Opportunity Employer.

POSTDOCTORAL POSITION available to clone and study the function of a novel macrophage lipoprotein receptor. Functional studies will be carried out in trans
genic and knockout mice. Experience in molecular biol
ogy, in vitro cloning, PCR and current cloning techniques desirable. Send curriculum vitae and three references to: Dr. Ira Tabas, Department of Medicine, Columbia University, 630 West 168th Street, New York, 10032. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to clone and study the function of a novel macrophage lipoprotein receptor. Functional studies will be carried out in trans
genic and knockout mice. Experience in molecular biol
ogy, in vitro cloning, PCR and current cloning techniques desirable. Send curriculum vitae and three references to: Dr. Ira Tabas, Department of Medicine, Columbia University, 630 West 168th Street, New York, 10032. Equal Opportunity/Affirmative Action Employer.
The Section of Clinical Epidemiology at Mayo Clinic, in collaboration with the Mayo Cancer Center, is seeking a molecular/genetic epidemiologist to fill a new position in our large and active group. This position presents an exciting opportunity for the successful candidate to conduct population-based molecular epidemiologic studies of the occurrence, etiology, and outcomes of cancers, as well as evaluations of the impact of diagnostic and therapeutic interventions in these conditions.

Applicants should have a strong methodologic training in epidemiology with evidence of research productivity in molecular epidemiology as reflected by peer-reviewed publications and a demonstrated ability to attract extramural research funding. This individual will be expected to develop an independent program of research in collaboration with clinical and laboratory investigators.

The Mayo Clinic, with a research budget in excess of $130 million per year, provides an outstanding environment for the conduct of molecular epidemiologic research. Resources include: The Rochester Epidemiology Project, with its linkage of medical records for residents of Olmsted County back to the early 1900s, a large referral practice as reflected by over 150,000 cases recorded in the Mayo Tumor Registry, tissue archives from the local and referral practice, and an exceptional collaborative atmosphere among clinicians, basic scientists, epidemiologists and biostatisticians.

Academic rank for the successful applicant will depend on qualifications and experience. There are no clinical practice responsibilities associated with this position. Salary and benefits are most competitive.

Rochester, Minnesota provides a remarkable quality of life, as evidenced by its #1 (1993) and #2 (1994,1995) ranking in Money Magazine.

Qualified applicants should submit a current curriculum vitae to:

Steven J. Jacobsen, MD, PhD
Head, Section of Clinical Epidemiology
Mayo Clinic, 200 First Street, SW
Rochester, MN 55905
(507)284-5544

Mayo Foundation is an affirmative action and equal opportunity educator and employer.
POSTDOCTORAL FELLOWSHIP
Hepatitis C Virus RNA Polymerase and Molecular Therapeutics

Two-year position open to study recombinant hepatitis C virus RNA polymerase and develop model cellular systems. Interdisciplinary interactions with molecular mod- elling and antiviral chemotherapy are encouraged. The position is at the Centers for Disease Control and investigators at the Centers for Disease Control. Salary and benefits competitive. Send curriculum vitae and references to: Dr. Kurt H. Hagedorn, Genetics and Molecular Biology, National Cancer Institute, National Institutes of Health, 5 Center Drive, Building 37, Room 2A-16, Bethesda, MD 20892-1767.

POSTDOCTORAL POSITIONS
HARVARD MEDICAL SCHOOL
Center for Experimental Therapeutics and Repetition Injury

Two NIH-funded POSTDOCTORAL POSITIONS are available to study the role of complement in ischemia/ reperfusion injury. Studies involve complement activation and its effect on nitric oxide and its metabolites. Applicants should have a Ph.D. or M.D. degree and have basic and advanced techniques in the microvasculature, immunology, cellular or molecular biology. Send a curriculum vitae, a summary of research interests, and the names of three references: Gregory L. Stahl, Ph.D., Center for Experimental Therapeutics and Repetition Injury, Department of Anesthesia, Brigham and Women's Hospital, 75 Francis Street, Boston, MA 02115. Email: gstahl@zeus.bwh.harvard.edu.

POSTDOCTORAL POSITION
available to study the transport of organic molecules by renal tubules. Ph.D. or equivalent required. Preference will be given to candidates with experience working with isolated single nephron peritubular microtechniques, and fluorescence microscopy. Review of applications begins May 1, 1996 and continues until filled. Send curriculum vitae and three letters of reference to: Dr. William H. DuBois, Department of Physiology, University of Arizona, Tucson, AZ 85724-5051. The University of Arizona is an Affirmative Action/Equal Employment Opportunity/Americans with Disabilities Act Employer.

POSTDOCTORAL POSITION: RNA Biochemistry. Position available to study RNA folding and structure. Applicants should possess expertise in the synthesis, purification, and characterization of RNA. Experience in kinetic measurements is absolutely required. Send curriculum vitae and names of three references to: Professor Gary D. Glick, Department of Chemistry, University of Michigan, 403 North University, Ann Arbor, MI 48109-1055, An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION
University of California, San Francisco

Position available to study molecular events of varicella-zoster in the corneal circulation. Investigators of the Anesthesiology—Corporation Physiology Laboratories conduct basic science and clinical research encompassing molecular, cellular, and integrative physiology. Applicant should have a doctoral degree and relevant experience in cardiovascular physiology, pharmacology, or clinical cardiovascular research. Send curriculum vitae and three letters of reference to: Brian A. Cason, M.D., Anesthesiology (1290), VA Medical Center, 4150 Clement, San Francisco, CA 94121. FAX: 415-750-6946.

A POSTDOCTORAL POSITION is available July 1, 1996, to study the biochemistry and cell biology of vertebrate nuclear preformed RNA transcription factors. Anyone with a background in vertebrate cell biology and the transcriptional regulation of cell proliferation is encouraged to apply. Send curriculum vitae, a summary of research interests, and the names of three references to: Dr. Mary Shannon Moore, Department of Cell Biology, Baylor College of Medicine, 6565 Bertner Avenue, Houston, TX 77030. FAX: 713-798-7799; Email: mmooore@bcm.tmc.edu. An Equal Opportunity/Affirmative Action/Equal Access Employer.

POSTDOCTORAL POSITION in molecular virology available immediately. We wish to develop new approaches to understanding the mechanisms of viral replication and pathogenesis in children and adolescents. Molecular biology and cell culture experience as well as a Ph.D. or M.D. degree required. Please send curriculum vitae, a summary of research experience, and the names of three references to: Dr. Christie Holland, Center for Virology, Immunology, and Infectious Disease Research, Children's National Medical Center, 111 Michigan Avenue, Washington, DC 20010.
Manager, Quality Control

Manufacturer of animal health products has an immediate opening for Manager, Quality Control. Responsibilities include inspection, sampling, and testing of raw materials, containers/closures, packaging materials, toll/contract manufactured products and BIAHI manufactured products; determines technical adequacy of the scientific documents and testing methods used within Quality Control, reviews calculations and all testing performed within Quality Control and ensures procedures used within QC are current and comply with regulatory requirements; prepares and allocates the department budget for Quality Control; ensures the proper administration of the BIAHI stability program including evaluation of trends/testing at appropriate intervals as per NADA/Regulatory commitments and is responsible for storage/inspection of retention samples; implementation of the BIAHI environmental monitoring program including establishing trends and implementing proper sanitation procedures; responsible for the implementation of the hazardous waste program at BIAHI; responsible for the improvement of current QC tests and developing new QC tests and liaise with R&D to instigate new QC tests needed for new products.

Qualifications include an advanced degree (preferably Ph.D.) in Biological Sciences/Chemistry with at least 6-10 years of experience in Quality Control; high proficiency in Microbiology required; proficiency in Chemistry desirable; extensive knowledge of Quality Control techniques for Animal Health products; extensive knowledge of relevant APHIS, European Union, and FDA regulations for Animal Health Products; proven record in improving QC processes and systems.

Excellent compensation package offered. To apply, send resume and salary requirements to:

Vice President, Human Resources
Boehringer Ingelheim Animal Health, Inc.
2621 N. Belt Highway
St. Joseph, MO 64506
USA

Equal Opportunity Employer

Join the Quest!

Hemosol Inc., a leader in the global quest for a human blood substitute, currently requires a Research Scientist in its new X-Cell Biotech division. A strong general background in cell biology, molecular biology and immunology is expected. Above average oral and written communication skills are required, as is a high level of self-motivation. We're seeking an individual with a Ph.D. and relevant post-doctoral and/or industrial experience in cellular immunology, in-vivo and in-vitro lymphocyte culture, and flow cytometry. An expert, current knowledge of cellular immunology, lymphocyte function and culture and signal transduction are essential.

We offer a competitive salary and benefits package in a stimulating work environment. If you are interested in joining our talented team, please send your resume, quoting file # XC01/96, in confidence, to: Human Resources Department, 115 Skyway Avenue, Etobicoke, Ontario M9W 4Z4 or Fax: (416) 798-0151.

An equal opportunity employer.

Wanted: Committed, ambitious scientist. Must be a team player with a vision for the future. M.D./Ph.D., Ph.D., M.S. or B.S. degree necessary.

Does this describe you?

If it does, then plan to attend the bioSCIENCE Career Fairs sponsored by SCIENCE. The bioSCIENCE Career Fairs offer the perfect opportunity for scientific professionals to meet in person with representatives from top biotechnology and pharmaceutical companies, universities, governmental agencies and institutions. You can also attend the seminar, How to get a paper published in SCIENCE. This exclusive seminar is offered free of charge and will be conducted by one of SCIENCE’s editors.

1996 bioSCIENCE Career Fairs


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

La Jolla, CA at the Scripps Research Institute, October 4-5.
INFORMATION SYSTEMS

We’ve got Information Systems for Pharmaceutical Research down to a science...

That’s Schering-Plough

At Schering-Plough, we recognize the key role Information Systems plays in efficiently bringing pharmaceuticals to market. In fact, there is not a single aspect of our global operations that is not touched by advancements in the way we process, store or share information. It’s a competitive edge we maintain by investing in state-of-the-art technology and the insightful professionals who optimize their application.

SENIOR SYSTEMS ANALYSTS

Chemistry

We seek an Information Systems professional to provide application solutions that will enable chemists to meet their scientific and business objectives more effectively. Areas of involvement will include critical initiatives in Combinatorial Chemistry, Computer Aided Drug Design and High Throughput Screening. To qualify, you will need a BS degree in Computer Science or Chemistry, a demonstrated interest in scientific programming, and knowledge of C++, Perl and UNIX. Background in scientific database development (ORACLE), GUI development tools (OMNI 7/Powerbuilder), Macintosh/AppleScript programming and HTML development is highly desirable. Excellent organizational and communication skills are essential. To be considered for this position, please respond to Dept. R196-03.

Bioinformatics

We seek an Information Systems professional to provide software support for our Bioinformatics initiatives. Major programming emphasis will be on the design of database applications for genomic and functional biology information, and programming interfaces that will enable biologists to use and manipulate these databases. To qualify, you will need a BS degree in Math, Computer Science, Biological Science or equivalent experience in the development of scientific applications. Background must include strong UNIX-based skills, Perl programming, knowledge of relational databases. SQL and basic molecular biology concepts. Knowledge of C++ and HTML is desirable. Excellent organizational and communication skills are essential. To be considered for this position, please respond to Dept. PB/KW.

We offer an excellent compensation package including a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume indicating salary requirements and the Dept. Code for your position of interest to: Human Resources-BG, Schering-Plough Research Institute, 2015 Galloping Hill Road, Kenilworth, NJ 07033-0539. We are an equal opportunity employer. We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.

DARTMOUTH MEDICAL SCHOOL

Department of Pathology

The Department of Pathology at Dartmouth Medical School is seeking an individual for a tenure-track position with an appointment as an associate or full professor. The search will concentrate on candidates holding M.D. or M.D./Ph.D. degrees who have completed pathology residency training. Postdoctoral research training in a recognized center is strongly desired. An investigative focus in immunology, immunopathology, immunogenetics, autoimmunity, adhesion or damulatory molecular biology is desired. The candidate should have a record of independent productivity and funding. It is envisioned that approximately 75% of the individual’s time will be devoted to basic research. Medical student teaching, administrative and clinical assignments can be arranged to accommodate the candidate’s requirements. The new faculty member will be expected to maintain research funding, join the appropriate graduate training program, and direct an active research laboratory with the capacity to train Ph.D. and postdoctoral fellows. Please send curriculum vitae and the names of three referees to:

William F. Hickey, M.D.
Professor and Chairman
Department of Pathology
Dartmouth Medical School - D.M.C.
Lebanon, NH 03756

Dartmouth College is an affirmative action, equal opportunity employer. Women and minorities are encouraged to apply.

Space Medicine and Life Sciences Research Center at Morehouse School of Medicine. The following positions are available: Assistant Professor: The applicant should have experience in gravitational biology or space medicine/life sciences research. The successful candidate will be expected to obtain independent research support, develop collaborative research efforts with SMLSRC investigators, and participate in the postdoctoral training program. Postdoctoral Research Associates: Applicants should have experience in gravitational biology and/or one of the following: cardiovascular studies relating to cardiac and hemodynamic function and vascular cell behavior; muscularkeletal studies relating to autocrine and paracrine factors mediating muscle fiber type expression; production of matrix components by muscularkeletal cells; neuronal studies relating to cellular, morphological, and functional aspects of reproductive and ocular circadian rhythms. Expertise should be demonstrated in at least two of the following areas: cell culture, gene regulation, receptor assay, immunocytochemistry, neuroendocrinology, vascular reactivity, or muscle physiology. Predoctoral Graduate Students: The training program in biomedical sciences is designed to develop independent investigators capable of assuming leadership roles. Candidates are accepted for both Ph.D. and M.D./Ph.D. programs. Students in the center will be involved in ground-based microgravity studies in cardiovascular, neuronal, or muscularkeletal areas. Postdoctoral and predoctoral students must be U.S. citizens. Applicants should send a CV, three letters of reference, and a statement of research interests to: John Smith, Associate Director, 720 Westview Drive, S.W., Atlanta, GA 30310-1495, Phone (404) 752-1973, FAX (404) 752-1978, Email: biochem@link.msm.edu Morehouse School of Medicine is an Equal Opportunity/Affirmative Action Employer.

Schering-Plough

Research Institute

Using Science For Human Advantage
Hybridon, Inc., is a leader in the discovery and development of genetic medicines based on antisense technology. A newly public company with over 150 employees, Hybridon has 69 employees with advanced degrees working on basic and applied research in our laboratories in the Massachusetts Biotechnology Research Park. Come grow with us.

**Research Scientist (Chemistry)**
Candidate should have a Ph.D. in organic/nucleic acids chemistry, and 2-3 years' experience in the field of nucleic acids chemistry/oligonucleotide chemistry/nucleoside chemistry. The candidate should have expertise in synthetic and analytical methodologies, as applied to the nucleic acids field.

**Research Scientist (Biochemistry/Molecular Biology)**
This position requires a Ph.D. with 2-3 years' experience in nucleic acids biochemistry/molecular biology. Candidates must have experience in cloning techniques, cell culture work, and DNA sequencing.

**Research Scientist (Biophysical Chemistry)**
This position requires a Ph.D. level scientist with experience in the biophysical studies of DNA/RNA. Candidates should be familiar with CD and Tm studies, calorimetry, as well as various other biochemical/analytical techniques. Experience in molecular modeling will be an asset.

**Postdoctoral Scientists**
These positions require a Ph.D. with strong background in nucleic acids chemistry/oligonucleotide synthesis/organophosphorous chemistry/nucleoside chemistry. Candidates should be familiar with modern synthetic methodologies as well as analytical and spectroscopic techniques.

**Research Associates**
M.S./B.S. level candidates with experience in synthetic organic chemistry/biochemistry preferably in the oligonucleotide field. Experience in the use of DNA synthesizers will be an asset. Adequate knowledge and experience in chromatographic and analytical methodologies and biochemical techniques are required.

**Publication/Documentation Specialist**
A Ph.D. level candidate with a good background in chemistry/biochemistry. This candidate will assist in various activities related to publication/documentation of scientific research. The candidate should have expertise in using various technical and word processing software packages and graphics for technical publications. Excellent oral and written communication skills as well as prior experience in performing technical editorial functions are a must.

Candidates for all positions, except Documentation Specialist, are bench-level scientists and should be team players who are highly motivated to perform assigned duties in a timely and organized manner in a competitive environment.

With a commitment to steady growth, we offer ongoing professional development opportunities. We also provide a highly competitive salary and benefits package. Please send your resume, to: Human Resources Manager, Hybridon, One Innovation Drive, Worcester, MA 01605. Principals only. An equal opportunity employer.

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**National Institute for Discovery Science**

**Research Management (Multiple Positions)**

The National Institute for Discovery Science, a private research organization, is looking for senior managers for long-term employment. NIDS will explore cutting-edge issues related to the nature and evolution of consciousness and life in the universe. Managers must be capable of employing accepted scientific methods to novel or unconventional observations or theories while maintaining the highest ethical and quality standards. Successful candidates will have a doctoral degree and substantial experience managing complex research projects. Work will be reviewed and approved by a world-class science advisory board. A history of successful publication is a plus. Please send resume/CV to: National Institute for Discovery Science, Dept. S, 4640 So. Eastern, Las Vegas, NV 89119

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**MAYO CLINIC**

**DIVISION OF MEDICAL ONCOLOGY AND MAYO CANCER CENTER**

**Clinical Research Positions**
The Division of Medical Oncology and the NCI-designated Mayo Cancer Center in Rochester, Minnesota, invites applications for two clinical research positions. Clinical investigators with established cancer research programs are encouraged to apply. The Mayo Clinic provides an outstanding environment for investigators interested in conducting translational research with the goal of improving prevention, diagnosis, and treatment of cancer. Interested applicants should submit a statement of research interests, curriculum vitae, bibliography, and list of references to:

James N. Ingle, M.D.
Associate Director for Clinical Research
Mayo Cancer Center
Mayo Clinic
200 First Street, SW
Rochester, MN 55905

*Mayo Foundation is an affirmative action and equal opportunity educator and employer.*
A postdoctoral position is available immediately to participate in an established research program investigating the role of fusion proteins generated by chromosomal translocations in the etiology of human leukemia and lymphoma, and the functions of their normal homologues in cellular growth and development. Current studies focus on the characterization of the pathophysiologic role of the t(2;5) fusion product, NPM-ALK, in lymphomagenesis (Science 263:1281, 1994), and on the molecular, biochemical, and biological analysis of the NPM-MLF1 fusion protein produced by the t(3;5) rearrangement specific to acute myeloid leukemia, which our group has also recently cloned (Oncogene 12:265, 1996). Investigations designed to determine the normal function of the novel, neural-specific ALK receptor tyrosine kinase including inactivation of the gene in mice by homologous recombination, studies to identify the ALK ligand(s), and yeast two-hybrid screening to identify interacting substrates, are also planned or in progress. In addition, studies to characterize the normal function of the MLF1 protein altered by the t(3;5) are planned. A number of opportunities also exist for translational studies linking these basic research findings to medical applications for cancer diagnosis and therapeutics, as well as for the molecular characterization of other diagnosis and therapeutics, as well as for the molecular characterization of other cancer-associated chromosomal translocations. Candidates possessing a Ph.D. and/or M.D. degree who are interested in joining a multidisciplinary group utilizing molecular cytogenetic, molecular biologic, and biochemical techniques to understand the mechanisms of malignant transformation should submit their curriculum vitae, reprints, and names of three references to: Dr. Stephan W. Morris, Department of Experimental Oncology, St. Jude Children’s Research Hospital, 332 N. Lauderdale, Memphis, TN 38110. An Equal Opportunity/Affirmative Action Employer. We provide a smoke-free environment.

Global Career Opportunities

Max Planck Institute of Psychiatry
Clinical Institute VW-Project
Group of Dr. Reul, Munich

Applicants are invited for a POST-DOCTORAL POSITION to investigate the interactions between steroid hormones, neurotransmitters and cytokines in the CNS. Research experience in molecular (neuro) biology and neuroimaging techniques (e.g., in situ hybridisation, immunohistochmistry) is required. Experience in experimental animal techniques would be favorable. The successful candidate will be a member of a multidisciplinary team conducting basic research on the pathogenesis of stress-related psychiatric disorders such as major depression. The position will last for up to 2 years with possible extension thereafter. Applications should be addressed to Personnel Office, Max Planck Institute of Psychiatry, Clinical Institute, Kraepelinstr. 2-10, D-80804 Munich, Germany.

IDEXX Laboratories, Inc. a leader in the development of advanced biotechnology-based products for animal health, environmental testing and quality assurance, has the following opportunities for Research Scientists.

Molecular Biology

Scientists with a Ph.D. and 2-5 years of broad-based post-doctoral experience in Molecular Biology are desired. Hands-on experience in cloning and expressing recombinant proteins and/or antibodies and purification experience would be preferred. (Code MB-AA)

Immunology/Cell Biology

Cellular immunologist or cell biologists with innovative courage and strong communication skills to create and implement research efforts directed at the cellular and molecular basis of allergy and inflammation are desired. Experience with hybridoma technology, protein purification and basic cellular immunological techniques are essential. An understanding of the molecular and cellular aspects of immune reactions and immunoregulation are desirable. A Ph.D. or Ph.D./DVM and 3-5 years post-doctoral experience is required. (Code IB-CA)

Biochemistry

Scientists with a Ph.D. and 2-5 years of broad-based post-doctoral training in biochemistry or related discipline with strong emphasis on state-of-the-art analytical techniques in small and large molecular characterization are desired. Experience in techniques related to protein purification, HPLC fractionation, chromatography, immunochemistry and/or ligand-binding assays are essential. (Code BC-AA)

Scientists in these positions will design and execute research projects to support corporate programs relevant to the immune response in animals during allergy, infection, and other diseases. We are looking for team players with leadership potential who are innovative, creative, aggressive and independent. These positions are for hands-on scientists and will involve some supervisory responsibilities.

IDEXX Laboratories, Inc. is located near Portland, Maine. Maine offers a variety of environments, from its 3500 miles of coastline to its many mountains and clear lakes. It's a place where you can find unique craft and antique shops along quaint New England streets, factory outlet stores, or fine dining. Maine is a state where nature's unspoiled bounties await hunters, fishermen, boaters and outdoor enthusiasts.

Applicants should send resume indicating job code along with cover letter describing how their experience and qualifications would be appropriate for these positions to: Human Resources, Code: IDEXX Laboratories, Inc., One IDEXX Drive, Westbrook, ME 04092. We are an Equal Opportunity Employer M/F/D/V. Resumes without a cover letter will not be considered.
POST-DOKTORAL FELLOWSHIPS

The NZ Science & Technology Post-Doctoral Fellowships Scheme provides early career support for New Zealand scientists, engineers and social scientists of outstanding talent, for post-doctoral research either locally or overseas. Applicants must be New Zealand citizens or permanent New Zealand residents.

Fellowships will normally have a maximum value of NZ$70,000 (incl. GST) per year; the stipend will on average be NZ$50,000 (incl. GST). A contribution is made to the costs incurred by an organisation hosting a Fellow. Fellowships tenable in overseas countries will have an overall value that reflects costs of working in the particular country; applications to work in countries with which New Zealand has not had strong science links are encouraged.

Applications must be received by 10 June 1996, on the application form available from the Foundation. Please contact:

The Foundation for Research, Science and Technology
PO Box 12-240, Wellington, New Zealand.
Tel: 64-4-499 2559, Fax: 64-4-499 2568
Email: pdfs@frst.govt.nz

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The successful applicant will be a skilled scientist with an appropriate academic background, postdoctoral experience in experimental nephrology and a strong research record in this field. Applicants should be able to perform micropuncture experiments, and they should have a solid understanding of drug R&D in the pharmaceutical industry.

Please send a C.V., copies of your main publications and a letter explaining your interest in joining a pharmaceutical company to Mr. W. Aschwanden in our Personnel Department, quoting reference Science 2016/96/As.

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

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

Office of the Provost

Search Committee:

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CB #3000, 104 South Building

University of North Carolina at Chapel Hill

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Department of Chemistry

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Dr. Brian J. Hales
Department of Chemistry
Louisiana State University
Baron Rouge, LA 70803-1804

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6th International Congress on Cell Biology
36th American Society for Cell Biology
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Abstract submission deadline: June 14, 1996.
Contact: American Society for Cell Biology
9650 Rockville Pike, Bethesda, MD 20814
Telephone: 301-530-7153
Fax: 301-530-7139
Email: congress@ascb.faseb.org
http://www.faseb.org/ascb

Second International von Hippel-Lindau Symposium and Cancer in Families Conference. Honolulu, June 17 to 21, 1996. Scientific and Medical Program plus Issues for Health Professionals and Affected Families. Y. E. Hsiu, Department of Genetics, University of Hawaii. Telephone: 808-956-8331; FAX: 808-956-5518; Email: JAHunt@Hawaii.EDU

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