meabilized, staining can reveal how cellular activation can result in cytokine synthesis. R&D Systems Europe. Circle 145.

**Panels for Gene Mapping**
The Monochromosomal Somatic Cell Hybrid Panel is available for expedient chromosome localization and the Polychromosomal Somatic Cell Hybrid Panel can provide an independent confirmation. The panels can be used for chromosome mapping of genes and gene families, synthesis of chromosome-specific probes, and characterization of yeast artificial chromosome chimerism. BIOS Laboratories. Circle 146.

**Filtration Manifold System**
The Convertible Filtration Manifold System is for the immobilization of unfractonated or purified DNA, RNA, or protein samples onto a membrane using a vacuum source. It is suitable for use in five formats: two 96-well slot sizes, two 48-well slot sizes, and a 20-well slot size for protein immunoblotting. The system’s design eliminates the need for clamps or screws during assembly. The seal is formed by the same vacuum source that completes filtration. Five interchangeable top plates and gaskets are available, making it easy to purchase a customized system. The risk of cross-contamination is virtually eliminated because a matching gasket is provided with each top plate, completely sealing the wells. Life Technologies. Circle 147.

**Microplate Reader**
The BioLumin 960 microassay reader offers both fluorescence and absorbance microplate analysis capabilities and comes with features that make it suitable for both low and high throughput phases of microassay projects. The reader features 1-fmol fluorescent dyes sensitivity and reads microplates in absorbance, fluorescence, or both modes simultaneously in 12 s. The reading chamber is temperature-controlled from ambient to 45°C. An optional RS-232 interface enables synchronized robotic operation. Typical applications include apoptosis, cytotoxicity, cell viability, cytokine, ligand-receptor, and toxicology assays. Molecular Dynamics. Circle 148.

**Literature**
HPLC Solvents and Reagents is a brochure that explains how this line can help prevent common problems in liquid chromatography separations. The brochure covers seven problems frequently encountered in high-performance liquid chromatographic and spectrophotometric analyses, including extraneous peaks in gradient elution chromatography, baseline noise and drift, negative peaks in isocratic chromatography, disappearance of standards and analytes, short column life, erratic separation in normal phase chromatography, and the need for frequent instrument recalibration. J.T. Baker. Circle 149.

**Immunosassays 1996-1997** is a catalog featuring cytokine, retrovirology, and histamine immunoassays. Immunotech. Circle 150.
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SCIENCE JOB CENTER

FACULTY POSITION

PSYCHIATRIC NEUROIMAGING RESEARCH

The University of North Carolina School of Medicine at Chapel Hill is seeking candidates for a tenured (or tenure-track) FACULTY position to provide leadership in a growing, neuroimaging research program in Psychiatry and the Mental Health and Neuroscience Clinical Research Center. Candidates should have an M.D. or Ph.D. and postdoctoral training in psychology, together with expertise in morphologic/morphometric and/or functional magnetic resonance imaging and spectroscopy and a documented record of accomplishment in the area of brain structure and/or function. Successful candidates will have collaborative experience in a research setting and will be expected to support their laboratory with significant grants. The successful candidate will work in collaboration with a team of investigators from both the University of North Carolina and Duke University, and will be expected to obtain support to develop his or her independent research as well. Faculty appointment and salary will be commensurate with the candidate’s level of experience and accomplishment. Interested applicants should send a curriculum vitae, statement of research interests, and three letters of reference to: Jeffrey A. Lieberman, M.D., Vice Chairman, Department of Psychiatry, Chair of Search Committee, Campus Box 7160, University of North Carolina School of Medicine, Chapel Hill, NC 27599-7160.

The search will be continued until the successful candidate is found.

ACADEMIC LEAD

Department of Fishery and Wildlife Sciences, College of Agriculture and Economics, New Mexico State University, Las Cruces, NM; full-time, 12-month appointment. Tenured, full professor responsible for administration, teaching, research, and service. Salary is commensurate with qualifications and experience. Ph.D. in fishery and/or wildlife science or related field with university, industry, or agency experience demonstrating professional growth and leadership responsibility. Applicants from women and minorities are particularly encouraged. The successful applicant will report directly to the Chair, Administrate, Office, College of Agriculture and Home Economics. Provide leadership and administrative support for preparation, justification, and administration of budgets for the department, including undergraduate and graduate academic programs; and fulfilling the department’s research mission. Recruited qualified faculty and staff are encouraged to contact the department, state and federal agencies, and the Cooperative Fish and Wildlife Research Unit. The Department of Fishery and Wildlife Sciences has seven tenure-track faculty, 14 staff members, and 9 adjunct faculty. Send letter of application, curriculum vitae, and names, addresses, and telephone numbers of three to five references by October 15, 1996, to: Dr. Gary L. Cunningham, Chair, Search Committee, Box 30003, Department 38F, New Mexico State University, Las Cruces, NM 88003-8003. Telephone: 505-664-3125. New Mexico State University is an Equal Opportunity/Affirmative Action Employer.

The University of Washington, Department of Molecular Biotechnology seeks an independent Comprehensive Biology/Informatics Research PROFESSOR (non-tenure track) to direct large-scale projects to probe physiological processes in yeast and mammalian cells starting in fall 1996. Selectee will establish an electronic collaborative workgroup to foster synthesis and growth in the control of eukaryotic cells. The position requires both participation in creating the bioinformatics systems and in designing, conducting, and evaluating quantitative biological experiments. Must have demonstrated expertise in computer and technical ability to perform integrated systems research approach. Must demonstrate ability to solicit and produce independent peer-reviewed research. M.D. (or) Ph.D., extensive research experience: minimum of 15 years experience in cell biology, systems design and process development, and analytical chemical, regulatory functions in eukaryotic cells focusing on growth control, cellular functions, five years experience in bioinformatics/industrial collaborations. Salary based on experience. Send cover letter addressing specific criteria, CV, and publications to: Bob Mitchell, Administrator, University of Washington, Developmental Biology, Box 357730, Seattle, WA 98195-7730. Job description on Email: mombiok@u.washington.edu. The University of Washington is a building a culturally diverse faculty, and strongly encourages applications from female and minority candidates. The University is an Equal Opportunity/Affirmative Action Employer.

SCIENCE COORDINATOR

Environmental and Occupational Health Sciences Institute

Rutgers, The State University of New Jersey and Robert Wood Johnson Medical School/University of Medicine and Dentistry of New Jersey is seeking an independent investigator to develop and manage an interdisciplinary institute whose mission is to foster interdisciplinary research and education in environmental health-related sciences. The successful candidate will direct the Institute and have a major role in attracting grants and facilitating interdisciplinary research and education. This individual will interact with faculty and staff of the institute’s six divisions; environmental health, environmental policy, emergency preparedness and response, occupational health, public health and risk communication, and toxicology. In addition, the Science Coordinator will work closely with the faculty in obtaining grants from Federal and State and Federal Agencies with the aim of increasing funding opportunities for EOFHSI and communicating EGI research and educational initiatives. The qualified candidate will have a DOCTORAL degree in an environmental health science or related area, excellent written skills, strong facilitating skills, and management skills. Applications from persons with prior experience in interdisciplinary settings are encouraged. Salary will be commensurate with experience.

Please send a curriculum vitae and three references to: Dr. Bernard D. Goldstein, Director, Environmental and Occupational Health Sciences Institute, 681 Frelinghuysen Road, Piscataway, NJ 08855-1179. Application deadline is September 30, 1996. University of Medicine and Dentistry of New Jersey is an Affirmative Action/Equal Opportunity Employer, Minorities/Females/Disabled/Veterans, and a member of the University Health System of New Jersey.

GEOGETOWN UNIVERSITY

Chair of the Department of Microbiology and Immunology

and Chief of the Division of Infectious Diseases, Department of Medicine

Georgetown University Medical Center has re-opened its search for a nationally known PHYSICIAN-SCIENTIST to chair the Department of Microbiology and Immunology, and serve as chief of the Division of Infectious Diseases, and direct the Medical Center’s program in Infectious Diseases. The ideal candidate will possess both the M.D. and the Ph.D. degrees, with board certifications in internal medicine and infectious diseases, will have recognized scholarly expertise in microbiology, and will have significant leadership experience and ability. Qualified applicants will have demonstrated experience in managing a diverse group of microbiologists and immunologists, developing extramural research support, and supervising a clinical program in infectious diseases. Review of applications is currently underway. Applicants should send a letter of interest stating their qualifications and accomplishments specific for this position and a curriculum vitae to: Marc E. Pomerantz, M.D., Chair, Microbiology/Immunology Search Committee, E 505 Research Building, Georgetown University Medical Center, 3970 Reservoir Road, N.W., Washington, DC 20007. Georgetown University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR

DIRECTOR OF THE LABORATORIES

The Section of General Surgery at the University of Chicago invites applications for a faculty position at the ASSISTANT/ASSOCIATE PROFESSOR level to serve as Director of the Laboratories. We are seeking an independent investigator with a Ph.D. degree and direct high quality basic science research in molecular oncology of gastrointestinal and pancreatic adenocarcinoma.

Qualifications include a Ph.D. degree and completion of a relevant postdoctoral fellowship. The candidate should have evidence of productivity in research with publications in peer reviewed journals, and independent research funding. Responsibilities include independent basic science research; development of translational research projects with current faculty to complement the experimental programs of the Section of General Surgery; and the overall direction of the research programs of the Section. Please send inquiries and curriculum vitae to: Faculty Relations, 5841 South Maryland Avenue/MC 5094, Chicago, IL 60637. The University of Chicago and its Medical Center are Affirmative Action/Equal Opportunity Employers. Applications from women and representatives of minority groups are encouraged.

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**THE J. DAVID GLADSTONE INSTITUTES**
Molecular Neurobiology Program
Department of Neurology, UCSF
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Investigate the molecular basis of dementing illnesses such as Alzheimer's disease and AIDS dementia complex. Studies of neural explant cultures, transgenic animal models and human tissues will be combined to define the neuropathogenetic roles of viral or host-derived proteins and to identify critical targets for therapeutic interventions. A strong background in molecular biology or neurobiology is required.

Please send CV and references to: # C96-022, Gladstone Institutes, P.O. Box 419100, San Francisco, CA 94141. Fax (415) 826-3708. For more information, please visit our website: http://gladstone.ucsf.edu

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**DIRECTOR INSTITUTE OF LABORATORY ANIMAL RESOURCES**

The National Research Council (NRC) is currently seeking a director for the Institute of Laboratory Animal Resources (ILAR) to manage its day-to-day operation, handle its program development and administration, and provide advice to the Executive Director of the Commission on Life Sciences and the NRC Chairman on matters related to laboratory animal science and related issues. Responsibilities include working closely with the Chairman and members of ILAR Council to develop pertinent and appropriate program activities and establish priorities for its program work. Will also be responsible for the initiation, development, planning, management and coordination of ILAR's program activities, including fund raising, financial and contract management, program budgets, identifying and maintaining liaison with potential and current sponsors, and supervising ILAR staff and related personnel matters.

We seek a scientist/administrator with a Ph.D., D.V.M., or equivalent in a biomedical field and 4+ years experience in laboratory animal science and issues, including knowledge of government policies and program, animal welfare regulations, and animal rights issues. Must have fiscal management, program development, and personnel management experience. Requires excellent organizational and communication skills and a record of achievement in his or her scientific area with successively higher levels of responsibility.

We offer a competitive salary and benefits package. Send resume in confidence to: PG-ILAR, NAS 343, 2101 Constitution Avenue, N.W. Washington, D.C. 20418. EO.

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**Michigan State University**
Fish Population Geneticist
Tenure-Track, Assistant Professor
Position #AG-1366

The Department of Fisheries and Wildlife at Michigan State University invites applications for a 12-month, tenure-track, fish population geneticist position at the assistant professor level. The Ph.D. is required. Preference will be given to applicants with strong quantitative skills and experience in applications of genetics theory and techniques to problems of stock assessment and performance, population dynamics, and hatchery production. The ability to teach a graduate level course in fish genetics, conservation biology, or a related topic is required, as is the ability to conduct research in the area of fish genetics with implications towards management of exploited, unexploited, and protected species. The abilities to advise undergraduate and graduate students; to work effectively with state, federal, and private organizations; to obtain research grants; to conduct research and publish the findings; and to participate in faculty committees and public service programs are expected.

Application deadline: October 15, 1996, or until a suitable candidate is found. Salary is competitive, commensurate with education, experience, and demonstrated ability. Interested persons should submit a letter of application stating professional goals and objectives, a curriculum vitae with supporting materials including official transcripts, and three letters of reference to: Dr. Thomas Coon, Search Committee Chairperson, Department of Fisheries and Wildlife, 13 Natural Resources Building, Michigan State University, East Lansing, MI 48824. Telephone: (517) 353-3373; Fax: (517) 432-1699; E-mail: coontg@ibm.msu.edu.

Michigan State University is an equal opportunity/affirmative action employer. Minority and women candidates are encouraged to apply. Disabled persons have the right to request and receive reasonable accommodation.
Wyeth-Ayerst Research

COMMITTED TO WORLDWIDE LEADERSHIP IN HEALTHCARE

Wyeth-Ayerst Research, a major division of Fortune 150 American Home Products Corporation, has the following opportunities at their pharmaceutical research facility in Princeton, New Jersey.

Metabolic Diseases Investigator, Insulin Signal Transduction
The Metabolic Diseases group is currently seeking an Investigator to direct a research group in the study of insulin action and the identification of drug discovery targets for the treatment of insulin resistance. Requirements include a Ph.D. in a field relevant to the area of signal transduction and post doctoral experience relating to the study of insulin action. Knowledge and extensive experience in biochemical methodology relating to intracellular signal transduction processes and their relevance to insulin and other growth factors is critical. Candidates must have a knowledge of enzymology and skills in assessing changes in the phosphorylation of various proteins and enzymes as well as measurement of kinase and phosphatase activities. A fundamental knowledge of cell and molecular biology is required, along with the ability to communicate effectively and a willingness to collaborate with other scientists. Position #OPSCI-2097.

Wyeth-Ayerst offers 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 print if possible) directly into our centralized Research resume database at (610) 989-485i. e-mail: jobs@RAMAIL1.wyeth.com (ASCII format, no attachments, subject: resume). Principals Only. Equal Opportunity Employer, M/F/D/V.

Molecular Biologist Ion Channel Molecular Biology
The Ion Channel Molecular Biology group is currently seeking a Senior Pharmacologist to participate in the exploration of novel ion channel molecular targets. Specific responsibilities include in situ hybridization and antibody immunostaining studies for the identification of novel ion channel targets. Requirements include a B.S. with 5-10 years experience, or M.S. with 4-6 years experience, and a high level of expertise in both state-of-the-art molecular biology and in situ hybridization/immunostaining (Immunocytochemistry), including tissue preparation and cryosectioning. Experience in cloning and heterologous expression is essential. This position also requires a strong publication record. Background and expertise in ion channel biology will be a plus. Position #OPSCI-2116.

At Pfizer, we’re taking medicine to new frontiers.

Pfizer Inc is pioneering a new generation of pharmaceuticals and biologicals that will help shape the future of human and animal health care. To support the effort in biological agents, we are currently seeking to establish a new CELL BIOLOGY GROUP within our Research Division in the Bioprocess R&D department. You will have the opportunity of supporting discovery and development efforts in gene therapy, state-of-the-art viral vaccines, protein therapeutics and gene therapy. Vacancies exist for a Senior Ph.D. bench scientist to help establish the group and two BS/MS scientists. Requirements for Ph.D. level are broad background in cell biology, virology or biochemistry with 5-8 years industrial experience with mammalian or other non-bacterial cell cultures, production of recombinant virus or therapeutic protein, bioreactors, media/process optimization and scale-up. Knowledge of GLP/CGMP, FDA and EU guidelines for biologicals and lab and pilot plant recovery operations is also necessary, as is prior supervisory experience, and communication/teamwork/leadership skills relevant to startup and operation of a new group.

Requirements for (2) BS/MS level scientist positions are: (i) background in virology/cell biology and 2-5 years prior work experience (preferably in industry) with mammalian or other non-bacterial cell cultures, operation of roller bottles and bioreactors and optimization/process development and scale-up for producing biologicals (preferably viruses). A working knowledge of recovery processes would be an advantage; (ii) background in biochemistry, virology or biochemical engineering with 2-5 years prior experience in purification, methods/process development, scale-up and analytical support required during bench and pilot-scale recovery of virus and proteins from cell culture is necessary. For both positions, exposure/training in a GLP/CGMP environment and procedures is desirable.

We offer a competitive salary/benefits program, as well as a generous relocation package. For confidential consideration, please forward your resume suitable for electronic scanning (i.e., eliminate italics, bulleted, bolds, underlines and staples) to: Employee Resources, Ad# 1185, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340.
**RESEARCH SCIENTIST**

**Contact Irritation/Sensitization**

ALZA Corporation, headquartered in Palo Alto, California, is a world leader in advanced drug delivery systems technology. Our strong record of scientific achievement has led to the successful development of over 25 marketed drugs and pharmaceutical products. ALZA is growing, and we have an excellent opportunity in our Biological Sciences Department for a qualified scientist to join our long-standing tradition of scientific and manufacturing excellence.

In this highly interactive and visible position, you will investigate mechanisms of drug induced skin irritation and sensitization following transdermal therapy with emphasis on approaches to mitigate these responses. You will also manage BS level scientists; maintain project areas; prepare written/technical documents, oral presentations and project updates; and interface with scientists from many disciplines within the company. In addition, you will be expected to present at national scientific meetings and publish meritorious work.

The position requires a Ph.D. in immunology or biology and 4-8 years of academic or industrial research experience in skin biology as it relates to local cutaneous inflammation. Solid knowledge of the biochemistry of inflammation and skin physiology as well as proven ability to work with in vitro and in vivo model systems is critical. A strong, fundamental scientific background and excellent managerial, collaborative and written/verbal communication skills are essential. Experience with immunohistochemistry techniques and histopathology will be valuable.

Please send resume to: ALZA Corporation, HR Dept., Attn: Job# SC823-86, 950 Page Mill Rd., P.O. Box 10950, Palo Alto, CA 94303-0802. Fax: (415) 494-5656. TDD: (415) 494-5003. Or call our Job Hotline at (415) 494-5319. ALZA is proud to be an Equal Opportunity Employer and welcomes applications from minorities & persons with disabilities.

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**MOLECULAR BIOLOGIST**

Merck Research Laboratories, a leader in pharmaceutical and biological research, has an immediate opening for a molecular biologist in the Departments of Genetic and Cellular Toxicology. The successful candidate will carry out a wide range of molecular and cellular biology techniques. Areas of research include examination of genetic rearrangements and investigation of alterations in growth regulatory signal transduction pathways.

The position requires a BS/MS in molecular and cellular biology, biochemistry, a closely related field or the equivalent. Recent graduates with laboratory experience in molecular biology will be considered. Excellent salary and benefit programs accompany this position at our modern research facilities located 25 miles northwest of Philadelphia. Please send curriculum vitae including grade-point averages, with cover letter to: Personnel Manager, Ad #4-85, MR-1, Human Resources WPM 2, Merck Research Laboratories, P.O. Box 4, West Point, PA 19486. Only candidates selected for interviews will receive responses. EEO/AA/VH Employer.

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**ASSISTANT PROFESSOR**

The Department of Brain and Cognitive Sciences anticipates making a tenure-track appointment in experimental cognitive science at the Assistant Professor level. Candidates should have an active research interest in one or more of the following areas: memory, high-level vision, cognitive development, reasoning, learning, attention and action. Responsibilities include graduate and undergraduate teaching and research supervision.

Applications should include a brief cover letter stating the candidate’s research and teaching interests, a vita, three letters of recommendation and representative reprints. Send applications by November 1, 1996 to: Cognitive Search Committee, E25-406, MIT, 77 Mass. Avenue, Cambridge, MA 02139-4307. Qualified women and minority candidates are especially encouraged to apply.

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**CHIEF, OCEANIC RESEARCH AND APPLICATIONS DIVISION**

NELDIS/NOAA/U.S. Dept. of Commerce

The Office of Research and Applications of the National Environmental Satellite, Data, and Information Service (NEDIS), National Oceanic and Atmospheric Administration (NOAA) is soliciting applications for the position of Chief, Oceanic Research and Applications Division. The incumbent will: plan and manage a program of satellite-based oceanic remote sensing and research and applications; formulate, guide, and conduct research concerned with the use of satellite oceanographic observations in solving the major oceanographic and climate problems of national and international concern; direct the development of new and modified approaches to the analysis, application, and interpretation of satellite data for advancing the state of knowledge in oceanic remote sensing; develop, improve, and maintain the scientific algorithms for operational products; assist in the planning of future satellite systems; and represent the Agency at national and international meetings.

The position requires broad knowledge and extensive interdisciplinary experience in ocean sciences, oceanic remote sensing technology, and environmental satellite systems. Applicants should have an advanced degree with suitable additional related experience in carrying out and directing research in the area of application of satellite data to oceanography, and demonstrated ability to provide scientific, technical, and organizational leadership in order to maintain a long-term research program in ocean science.

The position is at the GS-15 level and is located at the NOAA Science Center, Camp Springs, MD. The annual salary is $73,486-$95,351.

For additional information on the vacancy (Announcement No. OAE-96-0045.SAO), contact: NOAA, Human Resources Management Office, SSMC-3, 1315 East-West Highway, Rm. 13844, Silver Spring, MD 20910 or call Sandra O'Brien at 301-713-0524, Fax: 301-713-1979. Applications must be received by September 30.

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**FACULTY POSITIONS IN CELL BIOLOGY/PHYSIOLOGY, PATHOGENESIS, ANALYTICAL CHEMISTRY, AND BIOCHEMISTRY**

The Department of Biology at Georgia State University invites applications for two anticipated tenure-track positions in each of cell biology/physiology and microbial pathogenesis, in addition to the ongoing search on immunology. Areas of research interest for cell biology/physiology position should complement existing research strength in renal physiology and neuroendocrinology. The area for the microbial pathogenesis position should involve molecular approaches. Appointments will start on or before September 15, 1997. Applications will be considered at the advanced assistant professor or more senior level. It is desirable for applicants to have current funded research programs. Successful candidates will participate in instruction at the undergraduate and graduate M.S./Ph.D. levels. The Department has excellent core facilities. Applications including curriculum vitae, reprints, statement of research plans, and three letters of reference should be sent to Chair of Search Committee (Cell Biology/Physiology or Microbial Pathogenesis), Department of Biology, P.O. Box 4010, Georgia State University, Atlanta, GA 30302-4010. Deadline for receipt of application is October 14, 1996.

The Department of Chemistry invites applications for two anticipated tenure-track positions: a) analytical and b) biochem. Candidates will be expected to establish a vigorous, externally-funded research program and attract students in an expanding Ph.D. program. Excellence in teaching at all levels expected. For (a), area open; expertise in gas or liquid chromatography, mass spectrometry, or inorganic/organic analysis is preferred; access to a multi-user RMR facilities. For (b), expertise in protein and/or peptide structure and/or protein synthesis is preferred; access to NMR facilities. Send CV, description of proposed research and 3 letters of recommendation by October 7, 1996 to Chair, Search Committee (Analytical or Biochem), Department of Chemistry, Georgia State University, Atlanta, GA, 30303.

Georgia State University, a unit of the University System of Georgia, is an Equal Opportunity/Affirmative Action Employer.
NEUROPSYCHOLOGIST STAFF FELLOW
The Clinical Epilepsy Section, Epilepsy Research Branch, Division of Intramural Research NINDS has an opening for a Staff Fellow Neuropsychologist to conduct studies in children and adults with epilepsy, and normal controls. The Fellow will be expected to develop a personal research program consistent with the Section’s mission. Previous neuropsychological research in the Section has focused on cortical representation of language and memory, comparison between mapping using imaging techniques and direct cortical stimulation, and the study of functional reorganization due to seizures. PET and MRI have been emphasized in the Section’s work, and will continue to be used extensively in the future, supported by strong NIH functional imaging core facilities. Initial appointment is for two years, with yearly extensions possible up to five years. Stipend, determined by candidate’s educational and professional experience, ranges from $28,000-$45,336. NINDS is committed to an affirmative action program that includes steps to improve the representation of minorities, women, and the handicapped in the mainstream of basic and clinical neuroscience research.

For further information, contact:
William H. Theodore, M.D., Chief, Clinical Epilepsy Section, Telephone: 301-496-1505, Fax: 301-401-2871, Email: theodore@alw.nih.gov

TWO POSTDOCTORAL POSITIONS AT NCI, NIH

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 transduction events during Xenopus laevis embryonic development (Ira O. Daar, Ph.D., Developmental Signal Transduction Group). Candidates should have a strong background in molecular, cellular, or developmental biology.

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.

Applicants must have fewer than 5 years of postdoctoral experience. Curriculum vitae and the names of three references should be sent to the appropriate mentor at: The Laboratory of Leukocyte Biology, Division of Basic Sciences, NCI-FCRDC, Bldg. 567, Frederick, MD 21702. E-mail addresses are: derse@ncicrfd.gov or daar@ncicrfd.gov.

INFECTION DISEASES RESEARCH

at Schering-Plough

From molecules to medicines. At the Schering-Plough Research Institute, scientists are discovering and developing the novel therapeutics that challenge humankind's most debilitating diseases. To continue this important work, we seek talented scientists to join our multidisciplinary group focused on molecular targets relevant to the discovery of novel agents for the treatment of Infectious Diseases.

PRINCIPAL SCIENTIST
Antifungal Drug Development

In addition to a PhD degree, the successful candidate will have 2-8 years of postdoctoral experience in fungal biochemistry and genetics. Experience in bioinformatics or high throughput screening is an asset. The position will involve the selection and implementation of novel targets for antifungal screening. To be considered for this position, please reference Dept. DMS/KS-JG.

POSTDOCTORAL FELLOWSHIP
Antibacterial Target Evaluation

We are seeking a PhD with a strong background in biochemistry, bacterial genetics, or molecular biology to identify and characterize unique genes of a pathogenic bacterium. Experience with gram-negative organisms or metabolic pathways is an asset. To be considered for this position, please reference Dept. DMS/KS-TM6273.

We offer an excellent compensation package including a competitive salary and comprehensive benefits. Qualified candidates should indicate the Dept. Code and send their CV, a statement of research interests and the names of 3 references to: Human Resources-DMS, Schering-Plough Research Institute, MS #1255, 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.

Schering-Plough Research Institute

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Only those we plan to interview will be contacted. EO/E/M/F/D/V.

Procter & Gamble
RESEARCH OPPORTUNITIES

- Molecular Biologists (Dept. CRD1)

We are seeking two individuals for a new group that will produce a variety of proteins in recombinant Bacillus subtilis, yeasts, fungi, and Baculovirus. The successful candidates will have experience in the molecular biology of B. subtilis, yeasts, fungi, or Baculovirus. Demonstrated skills in cloning, gene expression, and recombinant DNA are also required.

- Cell/Molecular Biologist (Dept. CRD2)

We are seeking an individual to join a multidisciplinary group focused on identifying molecular targets for drug discovery. This would involve studies to establish relevance of signal transduction pathways to specific therapeutic applications, leading up to the design of assays for high-throughput drug screening. The candidate must have demonstrated a successful track record of independent, innovative research on cellular signal transduction.

Procter & Gamble is a world leader in the research, development, manufacture, and marketing of a wide variety of consumer products. Annual worldwide sales exceed $35 billion and our R&D budget is over $1.4 billion/year. P&G offers a competitive salary and benefits package, placing us among the top 5% of U.S. firms.

If you meet the qualifications for one of these positions, please send a letter of introduction (indicating the department for which you are applying), resume, and list of publications to:

Dr. G.D. Owens
The Procter & Gamble Company
Doctoral Recruiting, Dept. CRD (1 or 2)
P.O. Box 38707
Cincinnati, Ohio 45253-8707
Professor And Director
Sealy Center For Molecular Science

The University of Texas Medical Branch, Galveston, Texas, invites nominations and applications of individuals with strong research records and leadership qualities in the area of molecular biology and biochemistry for the position of Director of the Sealy Center for Molecular Science. The position will include an academic appointment at the level of Professor with tenure. The Director will report to the Dean of the School of Medicine and will lead a very strong, well established group of scientists focused on structure-function studies of DNA repair processes as well as signal transduction and gene expression. While the candidate’s area of research in molecular science is open, it should be consistent with the research thrust of the Center or complementary areas. The Sealy Center for Molecular Science is a focus for an NIEHS-funded Center for Toxicology. Recent grants obtained through the Center include Lucille P. Markey Foundation support for the development of structural biology. The Sealy Center for Molecular Science is closely allied with the Sealy Center for Structural Biology and other centers and departments. A major expansion of UTMB was begun in the late 1980’s leading to a doubling of the research space and external research support. The Sealy Center for Molecular Science includes 16 full-time faculty members and additional support staff.

Candidates must have a Ph.D., M.D. or equivalent doctoral degree and have a demonstrated record of research productivity as evidenced by grant support and publications in major, peer-reviewed journals. Salary is competitive and commensurate with experience. Individuals with names of nominees or interested candidates should address their nominations or applications to:

David Gorenstein, Ph.D.
Chair, Search Committee for Director of Sealy Center for Molecular Science
Professor and Director of the Sealy Center for Structural Biology
The University of Texas Medical Branch, Rt. 1157, Galveston, Texas 77555-1157

Candidates should send a letter stating their research interests, a detailed curriculum vitae, publication list, and names with phone numbers and addresses of at least four references. Review of applications will begin upon receipt, and the search will continue until the position is filled.

UTMB is an equal opportunity Affirmative Action Employer.

EXECUTIVE DIRECTOR
The International Association for Dental Research (IADR) and the American Association for Dental Research (AADR) are seeking an Executive Director, effective July 1, 1997.

The Associations represent the worldwide dental research community, with more than 11,000 dental scientist members, and have joint headquarters in Alexandria, Virginia, U.S.A. The Executive Director is responsible for coordinating the fiscal, administrative, publishing, and conference activities of the two Associations.

Candidates should be qualified to conduct the affairs of a major scientific society. In addition to leadership and management abilities, this involves extensive interaction and communication with members, with other associations, with national and international agencies, and with the dental industry. Candidates are also expected to have knowledge of the conduct and scope of dental research and how it relates to the practice of dentistry.

Applications should include a letter outlining interest in the position, a current curriculum vitae, and a list of three references.

Applications and nominations should be submitted as soon as possible, but no later than October 18, 1996. Seven copies of the application should be sent to: Chair, Search Committee, IADR/AADR Central Office, 1619 Duke Street, Alexandria, Virginia 22314-3406, U.S.A.
**MYRIAD GENETICS, INC.**

Myriad Genetics, located adjacent to the University of Utah in the foothills of the Wasatch Mountains, is a publicly-held genomics company focused in the isolation of significant disease-causing genes. We have challenging opportunities for:

**Data Manager** -- Responsibilities include maintaining and developing Sybase databases and associated files in a mixed UNIX/Mac environment. You'll tune DB for performance; organize and carry out back-up/archiving and ensure the security and flow of data from generation to analysis. Requires a BS in CS or equivalent and DBA experience on UNIX, preferably with Sybase. Experience with genetic data an advantage.

**Analyst Programmer** -- You'll extend and design Sybase databases of genetic data; incorporate novel algorithms for analysis into data flow as well as build GUI interfaces to DB and analysis programs in a mixed UNIX/Mac environment. Requires a BS in CS, a minimum three years' C/C++ and Sybase on UNIX/Mac platforms, and GUI programming experience. Experience with genetic data an advantage; Power building experience is preferred.

Please send/fax your letter of interest specifying position, a complete resume, and the names of three professional references to: Barbara Berry, Human Resources Dept. SCI, Myriad Genetics, Inc., 390 Wakara Way, Salt Lake City, UT 84108. Fax: 801-584-3640. EOE.

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**PROTEIN EXPRESSION**

Headquartered in the San Francisco Bay Area, Allergan Pharmaceutical Corporation is an innovative biopharmaceutical company using an integrated, team-oriented approach to drug discovery in an environment that promotes teamwork & rewards creativity. We are expanding our protease and receptor based programs, and have a great opportunity for a pair of highly motivated Scientists/Senior Research Associates to join our Protein Expression Group.

Supported by state-of-the-art equipment and instrumentation, you will become a key member of a skilled interdisciplinary research team applying medicinal, combinatorial and computational chemistry, molecular biology, biochemistry and pharmacology to the discovery of viable drug candidates.

**SCIENTIST/ SENIOR RESEARCH ASSOCIATE**

**(Fermentation & Cell Culture)**

You will be responsible for expressing various proteins for crystallography and protease inhibitor design groups. You will work independently to quickly develop a fermentation scheme to produce the proteins and interact with purification and other groups to achieve project goals. Candidates must possess a Ph.D. with 1-2 years' experience or a BS/MS with 5-7 years' experience. Good sterile technique, experience cultivating various cell lines (mammalian, insect, yeast, bacteria) in small to medium size fermentors, and knowledge of media development & process optimization are all required. Some downstream processing experience is a plus. (Job# S823-FCC)

**SCIENTIST/ SENIOR RESEARCH ASSOCIATE**

**(Purification)**

You will develop protein purification schemes that deliver high purity products to our crystallography and protease inhibitor design groups. You will work independently to develop processes for a varied stream of protein products. You will collaborate with Fermentation and other groups to achieve project goals. Candidates must possess a Ph.D. with 1-2 years' experience or a BS/MS with 5-7 years' experience. Experience purifying proteins to crystallography level of purity, and developing purification schemes for proteins expressed in various expression systems (mammalian, insect, yeast, bacteria) is required. Experience with Pharmacia FPLC and Bio Pilot systems is essential. Familiarity with analytical methods for protein characterization is highly desirable. (Job# S823-P)

We offer extremely competitive salaries, full benefits, attractive equity participation and career advancement opportunities within a progressive, growing company. Please forward your resume to: Allergan Pharmaceutical Corporation, HR Department, (Attn: Job#), 385 Oyster Point Blvd., Suite 3, South San Francisco, CA 94080. Equal Opportunity Employer.

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**ELECTROPHYSIOLOGIST/ SCIENTIST**

**Southern California**

Allergan, a global leader in specialty therapeutic products, has a challenging opportunity for an individual experienced in electrophysiological recording.

We require a Ph.D. and proficiency in database management and computational techniques for quantitative analysis of electrophysiological responses. Strong interpersonal, analytical and verbal/written communication skills along with good detail orientation are essential. We prefer 2+ years post doctoral/industry experience, and understanding of Visual System anatomy and neurobiology. You also prefer familiarity with models for disease of the retina/visual pathways as well as laboratory and clinical techniques for measurement of visual system function including electroretinography and visually evoked cortical potentials.

We reward our employees with a competitive salary, an excellent benefits package and a great working environment. Please send resume to: Allergan, Attn: Joyce Smith, T2-1B, 2525 Dupont Dr., Irvine, CA 92612. No phone calls please. Equal Opportunity Employer.

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**ALLERGAN**

Advancing the Science of Health Care.

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**PROTEIN EXPRESSION**

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**ALLERGAN**

Advancing the Science of Health Care.
The Department of Biology at The University of Texas Health Science Center at San Antonio invites applications for two tenure-track faculty positions at the rank of ASSISTANT or ASSOCIATE PROFESSOR. Candidates with research expertise in any area of contemporary biochemistry will be considered. Special consideration will be given to candidates whose research interests lie in the following areas: 1) Biochemistry/Cell Biology—complex lipids, intracellular targeting, cellular adhesion mechanisms, glycoproteins; 2) Macromolecular Structure—high resolution NMR and X-ray crystallography; 3) the dynamics of macromolecules. Interested applicants should send a curriculum vitae, a brief research prospectus, and the names and addresses of three references to: Dr. Terrance G. Cooper, Department of Microbiology and Immunology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78284-7760. For information, visit the biochemistry website, see: http://bioed.uthscsa.edu/biochem.html. The deadline for applications is October 1, 1996. An Affirmative Action/Equal Opportunity Employer.

The Department of Chemistry at Georgetown University invites applications for a tenure-track position in biochemistry. Individuals pursuing a multidisciplinary approach to structural or mechanistic aspects of biochemistry are encouraged to apply. A Ph.D. in chemistry or biochemistry is required. Applications are invited to begin in the fall term. Applicants should have a strong, independent research program and have a commitment to excellence in undergraduate and graduate teaching. Please send a curriculum vitae, a summary of research accomplishments, a list of publications, and a teaching statement to: Chair, Faculty Recruiting Committee-S, Georgetown University, Department of Chemistry, Box 571227, Washington, DC 20057-1227. Preference will be given to applications received on or before November 30, 1996. Georgetown University is an Equal Opportunity/Affirmative Action Employer; applicants from women and underrepresented minorities are encouraged to apply.

Email: http://www.georgetown.edu/departments/chemistry/chemistry.html.

The Department of Biology and Microbiology, University of Wisconsin Oshkosh, seeks applicants for two tenure-track ASSISTANT PROFESSOR positions, one in virology and immunology, and one in genetics and molecular biology to begin September 1997. Ph.D. required postdoctoral and teaching experience desirable; share responsibility for introductory courses; develop a research program; pursue extramural funding and supervise M.S. theses. Teach virology, virology immunology, microbiology, and genetics. Send letter of application, curriculum vitae, three letters of recommendation, and transcripts by 25 October 1996, to: M. A. Rouf, Chair, Department of Biology and Microbiology, University of Wisconsin Oshkosh, Oshkosh, WI 54901. The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer.

Natural Resources: ASSISTANT PROFESSOR, Department of Range, Wildlife, and Fisheries Management, Texas Tech University, tenure-track, nine-month faculty position available January 1997. Summer salary is normally available through a combination of teaching and research responsibilities. Teaching: graduate and undergraduate courses in range management and range and wildlife ecosystems. 50% research. The applicant should have a Ph.D. in a natural resource area with at least one advanced degree in range science. Preference will be given to individuals with demonstrable abilities and understanding of cultural fundamentals. Applicants should send curriculum vitae, transcripts, description of research interests, and have three letters of recommendation forwarded before 1 November 1996.

Dr. Charles Fish, Search Committee Chair, Department of Range, Wildlife, and Fisheries Management, Texas Tech University, Lubbock, TX 79409-2125. Voice: 806-742-1983; FAX: 806-742-2280. Texas Tech is an Affirmative Action/Equal Opportunity Employer.

VENTURE CAPITAL PROFESSIONAL

New York based venture capital firm seeks full-time Ph.D. for Venture Capital Group. Applicants have a strong understanding of molecular biology, biochemistry, or computer science, and possess strong writing and communication skills. Please send curriculum vitae to: Pamela Manalo, Athena Ventures, 660 Madison Avenue, New York, NY 10021.

The Department of Biochemistry at the University of Texas Health Science Center at San Antonio invites applications for two tenure-track faculty positions at the rank of ASSISTANT or ASSOCIATE PROFESSOR. The department teaches physics to undergraduates and to candidates for the M.S., Ph.D., and M.D. degrees. Faculty are expected to continue research and contribute to the understanding of the mechanisms at the molecular, cellular, and system levels, and is particularly strong in the following areas: cardiovascular physiology; comparative physiology; endocrinology; exercise, sports, and neuromuscular physiology; renal physiology. The successful candidate will be expected to perform the following duties: establish a vigorous, independent research program in systems neurophysiology; teach a unique graduate course or electives related to the neurophysiology curriculum; contribute to graduate and medical education in the area of expertise; provide research training to undergraduates, graduate, and medical trainees; interact with at least one of the areas of departmental emphasis. Qualifications include the Ph.D., M.D., or equivalent, and two or four years of postdoctoral training. Candidates with demonstrated experience in teaching and grant writing are especially encouraged to apply. Position is available beginning July 1, 1997. Review of applications will begin in October 1996, and continue until the position is filled. Submissions, a letter of teaching and research interests; a current curriculum vitae that includes the names, addresses, and telephone numbers of at least three recommenders, and a copy of at least three recent publications are invited to: Ralph F. Fregosi, Ph.D., Head of the Search Committee, Department of Physiology, The University of Arizona, Tucson, AZ 85724-5051. More information about the department can be found on the website (http://vascular.phys.arizona.edu/job.html). The University of Arizona is an Affirmative Action/Equal Opportunity/ADEA Employer.

ASSISTANT PROFESSOR OF BIOCHEMISTRY AND MOLECULAR BIOPHYSICS

Applications are invited for a TENURE-TRACK, 12-month position at the Assistant Professor level at the Medical College of Virginia. Applicants must have the Ph.D. degree in biochemistry, molecular biology, or a closely related field. Preference will be given to applicants with research interests in molecular neurobiology, structural biology, or signal transduction, but outstanding candidates in other fields may be considered. The position is available beginning in August 1996. Review of applications will begin 15 October 1996 and continue until the position is filled. Trinity College is an Equal Opportunity/Affirmative Action Employer and actively seeks applications from minorities and women.

ASSISTANT PROFESSOR OF BIOCHEMISTRY AND MOLECULAR BIOPHYSICS

Applications are invited for a TENURE-TRACK, 12-month position at the Assistant Professor level at Trinity College. Applicants must have the Ph.D. degree in a related field. Preference will be given to applicants with research interests in molecular neurobiology, structural biology, or signal transduction, but outstanding candidates in other fields may be considered. The position is available beginning in August 1996. Review of applications will begin 15 October 1996 and continue until the position is filled. Trinity College is an Equal Opportunity/Affirmative Action Employer and actively seeks applications from minorities and women.

VERTEBRATE PHYSIOLOGIST

The Trinity College Department of Biology invites applications for a tenure-track position at the level of ASSISTANT PROFESSOR in vertebrate physiology to begin in the fall term, 1997. Applicants must have a Ph.D. (postdoctoral experience is preferred), be track record of teaching and scholarship in neurobiology so that their appointments are in our Neuroscience Program is possible. We anticipate three or more positions in the vertebrate physiology course. The successful candidates are expected to participate in the vertebrate research programs and participate in the undergraduate and graduate teaching. Preference will be given to applicants who have had experience in teaching and research interests of the department.

DEVELOPMENTAL BIOLOGY FACULTY POSITION

The Department of Cell Biology at the Duke University School of Medicine invites applications for a tenure-track position in the field of Developmental Biology. Interactive scientists with a strong research interest in the role of the cellular and molecular basis of development are encouraged to apply. Preference will be given to vertebrate model systems. Appointments will be made at the level of ASSISTANT PROFESSOR. Applications are encouraged to be in the form of three letters of recommendation, curriculum vitae, and a brief description of research interests, and a statement of interest for research. The successful candidates will be expected to develop a competitive, independent research program and participate in the teaching of graduate and undergraduate students. The successful candidates will be expected to develop a competitive, independent research program and participate in the teaching of graduate and undergraduate students. The successful candidates will be expected to develop a competitive, independent research program and participate in the teaching of graduate and undergraduate students. The successful candidates will be expected to develop a competitive, independent research program and participate in the teaching of graduate and undergraduate students.

RESEARCH ASSISTANT PROFESSOR

Responsible for directing an ongoing animal research program involving tissue interactions during development and tissue repair. Of specific interest is the development of cranial sutures and healing cranial trauma. This month-long Ph.D. and POST-DOCTORAL RESEARCH EXPERIENCE in a clinical department, with a demonstrated ability to obtain extramural funding and develop a research program. Preference will be given to candidates with demonstrated ability to develop a research program. Preference will be given to candidates with demonstrated ability to develop a research program. Preference will be given to candidates with demonstrated ability to develop a research program. Preference will be given to candidates with demonstrated ability to develop a research program. Preference will be given to candidates with demonstrated ability to develop a research program.
Amgen, the world leader in biotechnology, seeks a Research Associate to join our growing facility in Thousand Oaks, CA. Working in our Pathology department, the selected individual will conduct laboratory-based research in the discovery and development of agents active in bone metabolism. Qualified candidates will have a Bachelor's degree in the life sciences or related field and a minimum of 2 years' experience working in bone research. Experience with in vitro and in vivo models of bone remodeling is critical. The ability to maintain records, present findings and work well in a team environment is essential. Experience with histomorphometric analysis of bone is an advantage.

We value and encourage the diverse perspectives essential to the process of discovery.

At Amgen, your accomplishments will be rewarded. Our generous compensation and benefits package includes a retirement and savings plan, an on-site fitness center and 3 weeks' vacation. For immediate consideration, mail your resume to: Amgen, Staffing, Job Code: TPSC, P.O. Box 2569, Thousand Oaks, CA 91319-2569. E-mail: jobs@amgen.com Consult our on-line Job Bulletin Board at amgen.bio.com for information on other career opportunities available at Amgen. Principals only, please.

EEO/AA Employer M/F/D/V

SCIENTISTS

Collagen Corporation, a progressive and growing biomedical company, has several exceptional opportunities for Scientists to join our leading team in the San Francisco Bay Area.

Research Scientist III
Polymer Chemist
Requires a PhD in chemistry or polymer chemistry with 5 years' postdoctoral experience demonstrating synthetic organic chemistry expertise and strong bench top synthesis skills. Selected candidate will work with hydrogels and composites and be involved in formulation activities.

Research Scientist III/Sr. Scientist
Polymer Chemist
Your PhD in organic chemistry or polymer chemistry must be supported by 5-10 years of industry experience; large-scale synthesis and manufacturing experience a plus. Supervisory skills, pilot scale-up background, and experience in the synthesis of organic polymers are required.

Group Head - Soft Tissue
You will lead and develop our soft tissue research efforts. This will require a PhD and/or MD, preferably in immunology, with strong technical skills and leadership talents. You must be an articulate spokesperson who is capable of addressing quality and product development issues and interfacing with the FDA to discuss immunological topics.

Sr. Research Scientist-Biology
You must have a PhD with 10-12 years of experience in the orthopedic medical device industry. Your understanding of biodegradable materials should include a knowledge of collagen as a biomaterial. Hands-on laboratory skills and the ability to mentor junior staff members are also required.

Biochemist
You will need a PhD in Biochemistry and 5 years' postdoctoral experience with proven skills working with enzymes. The creative team player we select must also possess strong cell culture and protein purification techniques.

Located in Palo Alto, Collagen offers an attractive compensation package. For consideration, send your resume to our contract recruiter at: Judy Brown & Associates, 656 Cedar Street, San Carlos, CA 94070, or fax (415) 594-9757. We are an equal opportunity employer. M/F/D/V.

COLLAGEN
CORPORATION
DEVELOPMENTAL BIOLOGIST

Tenure-track position starting July 1997 at the ASSISTANT PROFESSOR level and in the area of animal developmental biology. The successful candidate is expected to develop and maintain an active teaching and research program. The position includes teaching at all levels of organization, and to demonstrate appropriate training and experience in developmental biology, and an advanced course in the area of specialty. Commitment to research, with undergraduate involvement, is expected. Franklin & Marshall College is committed to curriculum through the promotion of diversity, and encourages all individuals to apply (Equal Opportunity Employer/Affirmative Action). Send curriculum vitae, teaching and research statements, and undergraduate and graduate transcripts by October 1, 1996, and three reference letters sent to: Professor Richard Fluck, Chair, Developmental Biology Search Committee, Department of Biological Sciences, Franklin & Marshall College, P.O. Box 3003, Lancaster, PA 17604-3003. Telephone: 717-291-4118; FAX: 717-399-4548.

ASSISTANT PROFESSOR

DEPARTMENT OF MOLECULAR BIOLOGY
PRINCETON UNIVERSITY

The Department of Molecular Biology at Princeton University invites applications at a tenure-track level in structural biology and biochemistry at the ASSISTANT PROFESSOR level. Exceptional senior level scientists may also be considered. Candidates must have a Ph.D. degree or equivalent and several years of postdoctoral experience. Qualiﬁed applicants should send a curriculum vitae, a summary of research interests, and three letters of reference to: Structural Biology Search Committee, Department of Molecular Biology, Princeton University, Princeton, NJ 08544. Application deadline: December 1, 1996. Princeton University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWS

POSTDOCTORAL POSITIONS

Available immediately: molecular mechanisms of transcriptional regulation, tumour suppression. Ph.D. or M.D. degree, extensive molecular and cell biology experience, expertise in transcription, regulation of cell growth, apoptosis. Please send a curriculum vitae, a brief summary of research interests, and names of three references to: Dr. Thomas F. Deuel, M.D., Division of Growth Regulation, Beth Israel Hospital, Harvard Medical School, 330 Brookline Avenue, RE-213, Boston, MA 02215. Beth Israel Hospital/Harvard Medical School is an Equal Opportunity Employer.

The University is committed to Employment Equity. Members of designated groups (women, aboriginal people, people with disabilities) are encouraged to self-identify on their applications.

The Department of Molecular Biology, Duke University Medical Center invites applications for a faculty position at the level of ASSISTANT PROFESSOR. We welcome candidates in all areas and are especially interested in the areas of cell biology, development, and molecular biology. The successful candidate will have a Ph.D. or equivalent degree and an active research program. Send curriculum vitae and names of three references to: Dr. R. L. Thomas, Department of Molecular Biology, Duke University Medical School, Durham, NC 27710, Duke University is an Equal Opportunity/Affirmative Action Employer. Consideration of applications will commence in October 1996.

THEORETICAL BIOLOGIST

Xenometrix, Inc. sells and performs assays that provide mechanistic information about cellular responses to compounds. We are seeking an energetic individual to join a multidisciplinary team who has expertise (molecular biochemistry, biostatistics, numerical analysis) in multivariate data analysis to develop predictive models. Xenometrix is a dedicated research-into-business of the Rocky Mountains, that offers a competitive compensation package with benefits including a stock option plan. Send detailed curriculum vitae to: Xenometrix, Inc., 2860 Wilderness Place, Box PGRD, Boulder, CO 80301; Email: netadmin@xeno.com.

The Department of Biochemistry, Duke University Medical Center invites applications for a faculty position at the level of ASSISTANT PROFESSOR. We welcome candidates in all areas and are especially interested in the areas of cell biology, development, and molecular biology. The successful candidate will have a Ph.D. or equivalent degree and an active research program. Send curriculum vitae and names of three references to: Dr. R. L. Thomas, Department of Biochemistry, Duke University Medical Center, Durham, NC 27710, Duke University is an Equal Opportunity/Affirmative Action Employer. Consideration of applications will commence in October 1996.

POSTDOCTORAL POSITIONS

Applications are invited for two POSTDOCTORAL positions to study cellular and molecular biology of human melanocytes and melanoma. Specific areas of research include intracellular sorting and targeting, melanosome biogenesis, and a variety of signal transduction pathways, regulation of melanocyte differentiation and melanoma metastasis. Applicants with recent Ph.D. and experience in immunology, cell biology or molecular biology will be particularly considered. Send curriculum vitae and names of three references to: Vijayasaradi Setaluri, Ph.D., Departments of Dermatology and Cancer Biology, Bowman Gray School of Medicine, Medical Center Boulevard, Winston-Salem, NC 27157-1016, Affirmative Action/Equal Opportunity Employer.

ASSOCIATE RESEARCH SCIENTIST

New position. Biochemistry or Chemistry, with expertise in the analysis and structural elucidation of complex carbohydrates, enzymology, and microbiology, or equivalent. Desirable experience in HPLC, GC/MS, NMR, MALDI-TOF, and mass spectrometry, skills in laboratory management, experience using Macintosh computers and in the interfacing of IBM pc’s to laboratory instruments. Salary negotiable. Contact: Dr. Rex Montgomery, University of Texas, Biochemistry, BSB, Iowa City, IA 52242. Telephone: 543-357-7897. University of Iowa is an Equal Opportunity/Affirmative Action Employer. Women and minorities are strongly encouraged to apply.

POSTDOCTORAL RESEARCH

The John Wayne Cancer Institute has immediate openings for two POSTDOCTORAL positions with research on 1) lipid second messenger/PKC signal transduction in human breast cancer and 2) reversal of multidrug resistance in human cancer. Both projects have strong empha- ses on pharmacology and drug design. Requires recent Ph.D. or M.D./Ph.D. experience and cell biology, cell biology, cell culture, protein kinetics, lipid biochemistry, immunocytochemistry, and drug screening.

Contact: Salary, etc. Please send résumé with cover letter to: Dr. Myles C. Cabot, Chief, Breast Cancer Research Program, John Wayne Cancer Institute, Santa Monica 90404, An Equal Opportunity Employer.

Two POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITIONS

Available immediately to study the molecular and cell biology of kidney development and genetic diseases. Success- ful applicants should have a background in molecular biology and either biochemistry, cell biology, development, development.

Please send curriculum vitae to: Dr. J. Zhon, Thor 612, Brigham and Women’s Hospital, 75 Francis Street, Boston, MA 02115. Telephone: 617-732-6331; FAX: 617-732-6392; Email: jzhou@mbcr. harvard.edu. Women and minorities are encouraged to apply. Brigham and Women’s Hospital is an Equal Opportunity/Affirmative Action Employer.
Faculty Search

Full-time position for Fall 1997

**Assistant professor of biology**. Ph.D. with post-doctoral experience is preferred. Requirements include: either a botanist or an entomologist with expertise in molecular biology in research. The successful candidate must be able to demonstrate a commitment to excellence in education by teaching in both the classroom and in an undergraduate research environment.

Abilene Christian University is a private comprehensive university, enrolling 4,600 students, and associated with the Church of Christ. We are dedicated to superb academics within a community of Christian scholars and students. A commitment to excellence in the biology department is demonstrated by its graduates having earned more than 114 Ph.D. and more than 94 Ph.D. D.D.S. degrees. This track record places us in the top 10 percent of Category IV private universities in the nation for the number of doctorates earned in the life sciences, and best among Category II private universities in Texas. Applications, with resume and references, will be received until January 1, 1997.

**Address inquiries to**: Dr. Dan Brannan, Associate Dean, College of Arts and Sciences, ACU Station, Box 7868, Abilene, Texas 79699-7868.

ACU does not discriminate on the basis of race, color, age, sex, handicap, national or ethnic origin in employment opportunities, in keeping with applicable state and federal laws. All applicants for these positions must be active members of the Church of Christ and deeply committed to service in the field of Christian higher education.

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**ADVANCES At ABGENIX**

ABGENIX, a subsidiary of **CELL GENESYS**, is focused on the development and commercialization of human antibodies to treat a wide range of medical indications, including inflammation, autoimmune disorders, cancer, and other serious diseases. Our core technology generates human antibodies to treat diseases and disorders which involve human antigens as part of the disease process. Currently, we are seeking the following individuals to advance our efforts aimed at a number of significant therapeutic targets.

**Sr. Research Associate**

As a member of our preclinical biology group focused in the areas of cellular biology and immunology, you will be responsible for developing and carrying out various immunological and biological assays for characterization of monoclonal antibodies. This will include assessing the in vitro therapeutic efficacy of monoclonal antibodies in animal models. Your Master’s in immunology, biochemistry, or a related field should be supported by a strong background in assay development with at least 5 years research and product development experience, and at least 3 years’ research and development experience in in vitro bioassays and animal models of inflammation and cancer.

**Research Associate**

Working as part of a small, interactive team involved in the generation and characterization of fully human monoclonal antibodies for a range of potential therapeutic targets, you will participate in the development of human monoclonal antibody core technology. Minimum requirements include a BS degree in cellular immunology, biology, or related field, along with 3 years of experience demonstrating strong tissue culture techniques. Proven immunoassay, ELISA and hybridoma technology experience is a must. We offer a competitive salary, excellent benefits and equity participation in one of the world’s most desirable locations. For immediate consideration, send Fax your resume with cover letter telling us about yourself to: Human Resources, ABGENIX, Human Resources, 324 Lakeside Dr., Foster City, CA 94404, Fax: (415) 349-4785. We are an equal opportunity employer.

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**Director, Developmental Biology**

**Children’s Hospital**

**University of Cincinnati**

Applications are invited for the position of Director of Developmental Biology and Albert Sabin Professor of Pediatrics to lead a well-established program in molecular and developmental biology.

Candidates will be expected to direct their own outstanding research program, lead the Division of Developmental Biology (a 10 member Ph.D. faculty with primary focus on the molecular biology of mammalian development), participate in a well-established graduate program in developmental biology, and interact with research activities in developmental sciences at the Children’s Hospital Research Foundation and the University of Cincinnati College of Medicine. Candidates will have an M.D. and/or Ph.D. degree and an internationally recognized program in developmental molecular biology. Outstanding support facilities are available for the Director and the program.

Send a letter of interest and curriculum vitae to Jeffrey A. Whitsett, Associate Chair of Pediatrics, c/o Search Committee, Children’s Hospital Medical Center, Division of Pulmonary Biology, 3333 Burnet Avenue, Cincinnati, OH 45229-3039. Children’s Hospital Medical Center is an Affirmative Action/Equal Opportunity Institution. Women and minorities are encouraged to apply.

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**SUCCESS. It’s in the genes.**

**SR. SCIENTIST – Genetic Assay Development**

You will be part of a team of investigators who are developing automated high-throughput assays for specific disease targets. Successful candidates will possess a Ph.D. or equivalent in molecular biology and 3-5 years’ relevant experience, a strong background in mutation detection methods, experience with automated genotyping and sequencing, as well as the ability to evaluate and implement relevant non-gel based technologies. Code: S012002

**LIMS SUPPORT ADMINISTRATOR**

You will be responsible for the organization, execution and day-to-day support of the Laboratory Information Management System (LIMS) in each of the laboratories. Our LIMS system is integral to the operation of our genetics and DNA sequencing laboratories, developed using Macintosh and Sybase RDMS technologies. Successful candidates will possess relevant laboratory experience, significant Macintosh computer experience and excellent communication skills. A minimum of a MS in a scientific field is required. Code: S012004

**LABORATORY DATABASE ENGINEER**

You will contribute to the development of our Laboratory Information Management System (LIMS). Our LIMS system is integral to the operation of our genetics and DNA sequencing laboratories. Successful candidates will possess relevant expertise in Sybase RDMS and advanced SQL skills. A background in the development of laboratory information management tools required. A minimum of a BS in either Biology or Computer Science is required. Code: S012006

At Sequana Therapeutics, you’ll enjoy an excellent salary and benefits package, with stock options and relocation assistance. If you share our dedication to genetic research please mail or fax your CV to: Sequana Therapeutics, Inc., Attn: HR (code), 11099 North Torrey Pines Road, Ste. 140, La Jolla, CA 92037. Fax: (619) 452-9378. 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.

Next 1996 bioSCIENCE Career Fair
Palo Alto, CA on the Stanford Campus in Palo Alto, Oct. 4-5 Tresidder Memorial Union/Oak Lounge and Cypress rooms

Oct. 4: 11 am - 4 pm
Oct. 5: 11 am - 3 pm

To pre-register, please submit your resume or CV via fax: (202) 289-6742, or via e-mail: bioscience@aaas.org. Please remember to bring multiple copies of your CV or resume with you to the Career Fairs, a copy will be necessary to register. Admission to the event is free.

bioSCIENCE CAREER FAIRS

bioSCIENCE Career Fair Information On-Line: http://www.sciencemag.org
(Choose SCIENCE Classified Advertising from the menu)
Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.

Schloeßmann Seminar on Nanostructures in Biology, Chemistry and Physics
Schloss Elmau, Germany
9-11 December 1996

The second Schloeßmann seminar will be focused on nanostructures in biology, chemistry and physics emphasizing the following topics:

- Macromolecular Assemblies and Supermolecules
- Molecular Motors
- Biological and Artificial Membranes
- Surface and Interface Engineering
- Nanoparticles and Quantum Structures
- Nanostructures in Catalysis
- Nanoporous Materials
- Nanotools

Schloeßmann Awards

Young scientists are invited to make challenging research proposals within the fields of the seminar. The scientific committee decides—based on a two-page exposé—propsals are accepted for an oral or poster presentation. The most outstanding oral contributions are honoured by awards totalling DM 20,000.

Schloeßmann Fellowships

Postdoctoral fellowships (1 to 2 years) to be used at suitable Max-Planck-Institutes are awarded for the most original research proposals at the end of the seminar. In applying for such a fellowship, a short CV should be submitted in addition to a two-page exposé.

Admission to the seminar will be limited and will be decided upon by the scientific committee.

Deadline for applications and for submission of the exposé: 2 October 1996

For further information, please contact:
Prof. Dr. Wolfgang Baumeister, Max-Planck-Institut für Biochemie, D-82152 Martinsried, Germany
Fax: ++49 (89) 8578-2641 Email: baumeist@biochem.mpg.de

Associate Editor

An editorial position at Science is available for a Ph.D. scientist with a broad range of interests and research experience in one or more of the following areas: molecular biology, biochemistry, neuroscience, and/or developmental biology. We are seeking someone with at least 2 or 3 years of postdoctoral experience in the life sciences and publications in peer-reviewed journals. Editors have varied responsibilities including solicitation, selection, and editing of manuscripts. Previous editorial experience is not required. This is a full-time position in either our Washington, DC, or Cambridge, UK, office.

Please send resume and list of publications with cover letter and salary requirements to:

Mr. Gregory Stokes
AAAS
1200 New York Avenue, N.W.
Washington, DC 20005

OPEN COMPETITION

Research on Bovine Spongiform Encephalopathy Diagnosis in Cattle

The Ministry of Agriculture, Fisheries and Food intends to commission research through open competition to augment the current research programme on the diagnosis of Bovine Spongiform Encephalopathy.

Proposals for research projects on BSE diagnosis are invited for consideration by the Ministry.

Under the current programme, new diagnostic tests are in the process of validation but the need remains for novel approaches to the development of highly specific, sensitive diagnostic tests for the detection of pre-clinical infection in cattle and for the differential diagnosis of suspect clinical cases. The available diagnostic tests for BSE that have been validated can only be used post-mortem and are unsuitable for wide-scale application on farms or in abattoirs.

Proposals are invited from centres with recognised expertise which can be applied to BSE diagnosis. Collaboration with groups with experience of research in this field would be beneficial.

For further details and an application form, write quoting reference YD02 to:
Room G15, VSU, Chief Scientists Group
Ministry of Agriculture, Fisheries and Food
Nobel House, 17 Smith Square, London SW1P 3JR
Telephone: 0171 238 5571
Fax: 0171 238 6464
Closing date for receipt of completed proposals: 13 October 1996
Proposals received after this date will not be considered under this competition.
We are an international French company, leaders in the field of in vitro DIAGNOSTIC:
- 3,200 employees worldwide,
- 2.5 billion French francs in annual sales (70% international),
- subsidiaries and distributors in 130 countries.
We develop and market automated systems and reagents for clinical laboratories in the medical field.

**Postdoctoral opportunity in nucleic acid chemistry**

A postdoctoral position is available from October 1st 1996, for national or international scientist, to join our R&D group involved in nucleic acid probes development for diagnostic applications. The position will be for 18 months in our facilities located in Lyon, and the project will focus on modified nucleoside and nucleotide synthesis.

Qualified candidate should have a Ph.D. in Organic Chemistry or Biochemistry and relevant laboratory experience in the field of Nucleic Acid Chemistry. Self motivation and excellent communication skills are required.

For consideration, please send by mail or by fax a letter of application, two copies of curriculum vitae including the names and addresses of three references and publications list to:

**bioMérieux**
Human Resources - Philippe Donikian
9280 MARCY L'ETOILE - FRANCE
Tel. (33) 78 87 20 42 - Fax. (33) 78 87 21 92

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**The Hong Kong University of Science and Technology**

Department of Biology

**FACULTY POSITION**

The Hong Kong University of Science and Technology is a publicly-funded research university with strong graduate programmes. The Department of Biology is well-equipped with modern facilities and currently has 23 faculty members. Applications are invited for a faculty position in the area of Ecology/Marine Biology/Environmental Science/Ecotoxicology.

Applicants must have a Ph.D. degree, postdoctoral experience, and the ability to establish an independent research programme.

Starting rank will depend on qualifications and experience. Salary will be very competitive, with annual salary within a range (currently under review) from US$58,200 (minimum for Lecturer/Assistant Professor) to US$129,100 (minimum for Professor). Generous fringe benefits including medical and dental benefits, annual leave, and children's education allowances are provided. Housing benefit and air passages are also provided where applicable. Initial appointments will generally be on 3-year contract terms; a gratuity of 25% of the total basic salary drawn will be payable upon successful completion of contract. Re-appointment will be subject to mutual agreement.

Applications indicating areas applied for, together with a curriculum vitae, a short statement on research interests, and the names and addresses of 3 referees should be sent to: The Chair of Recruitment Committee, Department of Biology, Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong (Fax: (852) 2358-1559 before 30 November 1996.

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**GLOBAL CAREER OPPORTUNITIES**

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**POSTDOCTORAL RESEARCH FELLOWSHIP: VASCULAR AND CARDIAC DISEASES**

At the Parke-Davis Pharmaceutical Research Division of Warner-Lambert Company, inspired science and a strategy of innovation has made us an international leader in the pharmaceutical industry. Our team members are encouraged to pursue discovery together—and explore all the possibilities of science.

This two year postdoctoral position is available immediately to study thrombosis and the utility of antithrombotic strategies in knockout and transgenic mice. The selected candidate will develop in vivo techniques for producing, measuring and modifying thrombosis in genetically engineered mice available through collaborators at the University of Michigan. The selected individual will develop skills in integrative biology and will work closely with colleagues concentrating on molecular biology.

Candidates must have a Ph.D. with a strong background in physiology, transgenic technology and in vivo studies using mice. Experience in biomedical engineering, pharmacology and thrombosis is preferred.

Members of our world-class pharmaceutical team enjoy competitive salaries, benefits and career growth potential. For consideration, please send or e-mail a resume and cover letter to: Parke-Davis Pharmaceutical Research, Human Resources Department, Job Code: CJM-963165, 2800 Plymouth Road, Ann Arbor, MI 48105.

E-mail: resume@aa.wi.com

Equal Opportunity in action.
Smoke-free work environment.

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**NEW JERSEY MEDICAL SCHOOL**

**FACULTY POSITIONS**

**DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS**

The Department of Microbiology and Molecular Genetics seeks applications for a tenure-track position. We are looking for outstanding, highly motivated molecular biologists or geneticists who will develop independent research programs and participate in teaching graduate and medical students. While primarily looking to make these appointments at the level of Assistant Professor, distinguished applicants at senior levels will also be considered. We would especially like to consider candidates whose research expertise are in the areas of regulation in mammalian cells or bacterial pathogenesis.

The department has 17 full time faculty who carry out research in various aspects of microbiology and molecular genetics, including control of cell growth; cellular aging; transcriptional, post-transcriptional and translational regulation; mutagenesis; DNA replication and recombination; chromosome structure and segregation; and molecular pathogenesis of viruses, bacteria and trypanosomes.

New Jersey Medical School is part of the medical university of the state of New Jersey and is located in the University Heights section of Newark, NJ, minutes from both pleasant suburbs and downtown New York City.

Send a complete curriculum vitae, including future research plans, and arrange to have three letters of recommendation sent to Dr. Harvey Ozer, Chairman, Department of Microbiology and Molecular Genetics (S), UMDNJ-New Jersey Medical School, 185 South Orange Avenue, Newark, NJ 07103-2714. The UMDNJ is an Affirmative Action/Equal Opportunity Employer, m/f/d/v, and a member of the University Health System of New Jersey.

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**UMD**

**NEW JERSEY MEDICAL SCHOOL**

**FACULTY POSITIONS**

**DEPARTMENT OF MICROBIOLOGY & MOLECULAR GENETICS**

The Department of Microbiology and Molecular Genetics seeks applications for a tenure-track position. We are looking for outstanding, highly motivated molecular biologists or geneticists who will develop independent research programs and participate in teaching graduate and medical students. While primarily looking to make these appointments at the level of Assistant Professor, distinguished applicants at senior levels will also be considered. We would especially like to consider candidates whose research expertise are in the areas of regulation in mammalian cells or bacterial pathogenesis.

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**GLOBAL CAREER OPPORTUNITIES**

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**THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY**

Department of Biology

**FACULTY POSITION**

The Hong Kong University of Science and Technology is a publicly-funded research university with strong graduate programmes. The Department of Biology is well-equipped with modern facilities and currently has 23 faculty members. Applications are invited for a faculty position in the area of Ecology/Marine Biology/Environmental Science/Ecotoxicology.

Applicants must have a Ph.D. degree, postdoctoral experience, and the ability to establish an independent research programme.

Starting rank will depend on qualifications and experience. Salary will be very competitive, with annual salary within a range (currently under review) from US$58,200 (minimum for Lecturer/Assistant Professor) to US$129,100 (minimum for Professor). Generous fringe benefits including medical and dental benefits, annual leave, and children's education allowances are provided. Housing benefit and air passages are also provided where applicable. Initial appointments will generally be on 3-year contract terms; a gratuity of 25% of the total basic salary drawn will be payable upon successful completion of contract. Re-appointment will be subject to mutual agreement.

Applications indicating areas applied for, together with a curriculum vitae, a short statement on research interests, and the names and addresses of 3 referees should be sent to: The Chair of Recruitment Committee, Department of Biology, Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong (Fax: (852) 2358-1559 before 30 November 1996.

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Reach top European Scientists with your vacancy announcement in this annual Career feature!

**DOUBLE BONUS DISTRIBUTION:**
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**EXTRA EXPOSURE:**
- Free On-line advertising—All recruitment advertisements booked in this issue receive publication on SCIENCE Classified Advertising Online!
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**ADVERTISEMENT BOOKING DEADLINE:**
27 August 1996

**Bioinformatics Scientist/Molecular Biologist**

**Our Profile**
Our Cardiovascular Diseases Department has a strong commitment to research on disease mechanisms in thrombosis, atherosclerosis, congestive heart failure and hypertension. It provides a dynamic international research environment, including several collaborative projects with outstanding academic groups, and encourages members to communicate their findings in publications and presentations at scientific meetings.

**Your Task**
You will collaborate with the bioinformatics core group in using novel sequence databases to discover potential new drug targets for the treatment of serious cardiovascular diseases.

**Your Profile**
Within the department you will interact with a highly motivated research team of biochemists, cell biologists, physiologists, molecular biologists and physicians. We are looking for someone who enjoys working in a multidisciplinary team and has the ability to looking for someone who enjoys working in a multidisciplinary team and has the ability to develop his/her own research interests. The ideal candidate will have a PhD and 3 - 10 years of post-doctoral experience in:

- a) identifying differentially expressed genes with new methods such as representational difference analysis, differential display RT-PCR or SAGE and
- b) applying modern bioinformatic tools in the use and manipulation of relational databases.

**Contact Address**
If the above profile fits your background and experience and you are interested in this challenging position then please forward your full application documentation with a list of publications and the names of two referees to our Human Resources Department, attn. of Mr. W. Aschwanden, quoting reference As2103, F. Hoffmann-La Roche, CH-4070 Basel.
Soil Chemist

Applications are invited from PhD scientists with experience in soil chemistry to join the soil science group of the New Zealand Institute for Crop & Food Research Ltd. Based at Lincoln, just outside Christchurch, this group carries out research into sustainable management of arable and vegetable producing soils in New Zealand. The group has built an international reputation in research on nutrient cycling, and the physical and biological fertility of cropping soils. The successful applicant will have a PhD in soil science (soil chemistry), preferably with postdoctoral experience. The appointee will develop and conduct research which enhances our understanding of the chemical fertility of arable and vegetable producing soils in New Zealand. Particular emphasis will be placed on management of soil nutrients to improve the efficient use of nutrients and minimise the detrimental effects of agriculture on the environment. The position is well supported with technical staff. Further details on the position, including an application form and job description, may be obtained from Dr Prue Williams, telephone 64 3 325 6400, fax 64 3 325 2074. Applications should quote vacancy no 96/23, and close at 4pm, 6 September, 1996.

Written applications, enclosing a detailed C.V. and the name and address of three referees, should be sent to:

The Personnel Officer, Crop & Food Research,
Private Bag 4704, Christchurch, New Zealand.

Crop & Food Research Ltd promotes a policy of Equal Employment Opportunity.

MUSEUM RESEARCH SCIENTISTS FOR LAKE BIWA MUSEUM

Lake Biwa Museum, Japan, has several opportunities for talented research scientists to join the newly established museum specially emphasizing multidisciplinary research, extension and communication, information services, and exhibits on Lake Biwa and other large lakes in the world.

The following four posts are open for scientists having a doctoral degree in any of the following disciplines and some work experience in a museum, university or research institute. The successful candidates will engage in research activities as well as the museum management activities such as exhibits and public services. The birth dates of successful candidates will fall between April 2, 1950 and April 1, 1960.

(1) International Limnological Studies
(2) Bird Studies
(3) Terrestrial Ecosystem Studies
(4) Biodiversity Studies

Applicant should send:

(1) Application form (the designated form is available at Lake Biwa Museum)
(2) Curriculum Vitae
(3) A list of publications (denote scientific as well as public publications)
(4) Reprints of the publications denoted above (up to 10 publications)
(5) An essay about how you can contribute to Lake Biwa Museum in the field of your speciality. The essay may be written in Japanese in up to 3,000 letters, or in English in up to 1,000 words.
(6) At least one letter of reference.

These application forms by registered mail, marked "Application for Research Scientist," should be received by 20 September 1996. Employment starts from 1 December 1996. Salary according to qualifications and experiences (e.g., ¥234,600 per month for a new graduate) with addition of several types of allowance. Further details are available from:

General Affairs Department, General Affairs Division
Lake Biwa Museum, Shiga Prefecture
1091 Oroshimo-cho, Kusatsu-shi, Shiga 525, Japan
Tel: +81-775-68-4811
Fax: +81-775-68-4848
E-mail: director@lbm.go.jp
Boehringer Ingelheim

Biological Research

Two in vivo NMR scientists
Ph. D. physicist and BS/MS engineer

We rank among the leading research based companies of the chemical-pharmaceutical industry. We and our employees see ourselves as a worldwide team. We operate internationally according to common principles. It is our ambition to offer our customers value through innovation which will be our competitive advantage.

Join us!

The Department of Biological Research is looking to fill two newly created positions in the neuropharmacology group. We are seeking a Ph. D. physicist and a BS/MS engineer. The appointment of Ph. D. physicist is initially for three years. Candidates are encouraged to apply for either of these two positions depending on their qualifications. The two specialists should have comprehensive biomedical experience with experimental in vivo NMR systems.

Our research in Ingelheim concentrates on the areas of stroke and neurodegenerative diseases. The successful applicants will work in a well equipped, multidisciplinary research team applying modern MRI/MRS techniques to our drug discovery programmes.

The scope of activities includes
- Programming and modification of impulse sequences for diffusion/perfusion, T2, echo planar, chemical shift, functional imaging and spectroscopy
- Writing or adaption of computer programs for analysing NMR data
- Preparation of internal reports and international publications.

We expect good organizational talents and the ability to work in a team as well as excellent oral and written communication skills in English. A knowledge of German would be helpful.

We offer a competitive salary accompanied by a full range of benefits.

Interested applicants should send a detailed CV and description of previous research activities to:
Boehringer Ingelheim KG
Personnel Department, Klaus Peter Bracker
D-55216 Ingelheim am Rhein

ORGANIC SYNTHESIS
UNIVERSITY OF FRANKFURT (MAIN), GERMANY

INSTITUTE OF ORGANIC CHEMISTRY
invites applications for a Tenure Position at the level of a FULL PROFESSOR

Applicants with a Ph.D. should have research expertise in chemical synthesis and should preferably be engaged in methodological development (e.g., combinatorial chemistry) and use of receptor-directed chemical synthesis for controlling biological functions with synthetic ligands.

The successful candidate will join a group of faculty members and he/she will take part in the program "Synthesis of Bioactive Compounds" to which the institute is committed. The facilities for and expertise in X-ray crystallography, NMR spectroscopy, molecular modelling, mass spectrometry, and biological synthesis are available. Applicants are expected to participate in the teaching duties in Organic Chemistry at all University levels.

Applications stating relevant personal details, including details of qualification and experience should be received not later than September 30, 1996, by The Dean of the Department of Chemistry of the Johann Wolfgang Goethe Universität, Marie Curiestr. 11, D-60439 Frankfurt am Main, Federal Republic of Germany. Fax: +49/69/796-29494.

University of Bristol
Bristol Heart Institute

Post-Doctoral Fellowship
Characterisation of Degradative Enzymes Involved in Atherosclerotic Plaque Rupture

Applications are invited for a two year Post-Doctoral Fellowship, in collaboration with Pfizer Central Research, which will start in October 1996. The work will be carried out under the supervision of Dr Christopher Jackson in the Bristol Heart Institute, which is a newly established University Research Centre within the Faculty of Clinical Medicine of the University of Bristol. Part of the study (approximately 3 months) will be conducted at Pfizer. Applicants should have, or expect to achieve, a PhD in cell biology, biochemistry or a related subject. The project will investigate the enzymes that form the fibrous caps of human atherosclerotic plaques, and the enzymes that degrade these proteins and cause plaques to become unstable and to rupture. The techniques to be employed will include cell culture, protein chemistry, enzymology and histochemistry. The post will be funded for two years at an initial annual stipend of £19,848 and an allowance will be paid when the Fellow visits Pfizer in Sandwich, Kent.

For further details, telephone 0171 928 3154; fax 0171 929 9733; email christopher.jackson@bris.ac.uk. For informal discussions on the post please contact Dr Christopher Jackson (telephone 0171 928 3154; fax 0171 929 9737; email christopher.jackson@bris.ac.uk). For further details, telephone 0171 928 6450 (ansaphone after 5pm), minicom 0171 928 8894, email recruitment@bris.ac.uk, or write to the Personnel Office (EO), University of Bristol, Senate House, Bristol BS8 1TH, quoting reference E1116.

The closing date for applications is September 13th, 1996.
MOLeClAR BiOLOGIST/MoLeClAR GENETICIST

The University of Nevada, Reno invites applications for a 12-month tenure-track position at the level of ASSISTANT or ASSOCIATE Professor. We seek applications from individuals with research expertise in molecular processes underlying human disease. Women and minority candidates are particularly encouraged to apply. Applicants should have a Ph.D. in biology and strong knowledge of statistics, or a Ph.D. in statistics or computer sciences with a strong background in biology, preferably ophthalmology.

Applications from individuals with qualified postdoctoral experience and a proven record of research achievement are encouraged. Women and minority candidates are particularly encouraged to apply. Applicants should have a minimum of two years of postdoctoral experience, and possess a proven record of research achievement. We will be seeking to develop an extraordinarily funded independent research program through the following program of the department. Salary will be commensurate with qualifications and experience. Appointment will be held jointly with the Medical College of Wisconsin Agricultural Experiment Station. Applicants should submit a letter detailing their research interests and future plans, a current vita, and arrange to have three letters of recommendation sent by November 1, 1996. Send applications to: Dr. Carol Condit, Search Committee Chair, Department of Biochemistry/200, University of Nevada, Reno, NV 89557-0014. Equal Opportunity Employer/Affirmative Action Employer.

ACADEMIC SCIENTIST

The Division of Perinatology and Neonatology at the U.C. San Francisco has a faculty position at the level of ASSISTANT, ASSOCIATE, or FULL PROFESSOR level. Send letter of interest, curriculum vitae, two representative publications, and names of three referees by 30 September 1996, to: Dr. T. D. Schaffer, Chair, Perinatal and Neonatal Medicine, Department of Obstetrics and Gynecology, U.C. San Francisco, 513 Parnassus Avenue, San Francisco, CA 94143-0640. Equal Opportunity Employer.

ACADEMIC Bacteriologist

The Department of Biomedical Sciences, College of Veterinary Medicine, Oregon State University, is in the process of recruiting a tenure-track faculty position at the rank of ASSISTANT, ASSOCIATE, or FULL PROFESSOR level. Candidates with research experience in bacterial infectious diseases, with a background in immunology, are encouraged to apply. Applicants should have a Ph.D. in immunology or a closely related field. Send letter of interest, a curriculum vitae, and the names and addresses of three references to: Dr. Arnold E. Fox, Chair, Department of Biomedical Sciences, College of Veterinary Medicine, Oregon State University, Corvallis, OR 97331-4000. Equal Opportunity Employer.

DATABASE PROGRAMMER

The SIN Centre, University of North Carolina at Chapel Hill, has a position available at the level of ASSISTANT, ASSOCIATE, or FULL PROFESSOR level. Send letter of interest, curriculum vitae, two representative publications, and names of three referees by 30 September 1996, to: Dr. A. D. Berman, Chair, Department of Biostatistics, University of North Carolina, Chapel Hill, NC 27514-8730. Equal Opportunity Employer.

RESEARCH SCIENTIST

The Laboratory for Experimental Medicine and Pathology at The Johns Hopkins University School of Medicine, is seeking a Research Scientist with expertise in cell biology and molecular biology of the nervous system. The successful candidate will be expected to establish an independent research program in this area. The candidate should have a Ph.D. in biology and a strong background in molecular biology and cellular biology. Applications are encouraged from individuals with demonstrated ability in the design and execution of research projects. Send letter of interest, curriculum vitae, and the names and addresses of three references to: Dr. B. A. McEwen, Director, Laboratory for Experimental Medicine and Pathology, The Johns Hopkins University School of Medicine, Baltimore, MD 21205. Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP

The Department of Biology and the Institute for Cancer Research at the University of Pennsylvania, is seeking a Postdoctoral Fellow to work on a project related to the genetics of mammalian tumor suppressor genes. The candidate should have a Ph.D. in molecular biology or genetics and should have experience in the use of recombinant DNA techniques. The position is available immediately. Send letter of interest, curriculum vitae, and the names and addresses of three references to: Dr. A. B. Bender, Department of Genetics, University of Pennsylvania, Philadelphia, PA 19104. Equal Opportunity Employer.
POSTDOCTORAL POSITIONS are available in studies of reproductive biology. Faculty interests include: initiation of human parturition, fetal membrane structure/function, endometrial development and function, implantation and menstruation, steroid synthesis and metabolism. All appropriate scientific approaches employed: physiological, biochemical, and molecular. M.D. or Ph.D. required. Positions available immediately. Send curriculum vitae and references to:

M. Linette Casey, Ph.D. or
Paul C. MacDonald, M.D.,
Green Center for Reproductive Biology Sciences,
The University of Texas Southwestern
Medical Center at Dallas,
5323 Harry Hines Boulevard,
Dallas, TX 75235-9051.
FAX: 214-648-0683
Email: casey@mcntr.southwestern.edu
or
macdonald@mcntr.southwestern.edu.

POSTDOCTORAL POSITIONS are available in studies of reproductive biology. Faculty interests include: initiation of human parturition, fetal membrane structure/function, endometrial development and function, implantation and menstruation, steroid synthesis and metabolism. All appropriate scientific approaches employed: physiological, biochemical, and molecular. M.D. or Ph.D. required. Positions available immediately. Send curriculum vitae and references to:

M. Linette Casey, Ph.D. or
Paul C. MacDonald, M.D.,
Green Center for Reproductive Biology Sciences,
The University of Texas Southwestern
Medical Center at Dallas,
5323 Harry Hines Boulevard,
Dallas, TX 75235-9051.
FAX: 214-648-0683
Email: casey@mcntr.southwestern.edu
or
macdonald@mcntr.southwestern.edu.

POSTDOCTORAL POSITIONS are available immediately to perform NIH-funded research on molecular mechanisms of ischemic brain injury, with emphasis on mitochondrial bioenergetics and oxidative stress. Experimental paradigms include the use of clinically-relevant animal models and in-vitro cell culture models of delayed neuronal death. The goals of the laboratory range from development of clinically-feasible therapeutic interventions to understanding the mechanism by which hsp-2 protects against ischemic neuronal death. The successful applicant will have some background in free radical biochemistry, bioenergetics, or cell calcium metabolism and a productive track record. Send curriculum vitae and names of three references to: Matthew F. Fiskum, George Washington University School of Medicine, Washington, DC 20037. FAX: 202-994-8974; Email: fiskum@gw2.circ.gwu.edu.

POSTDOCTORAL POSITION
MOLECULAR MYCOLOGY
GEORGETOWN UNIVERSITY

A position is available to study pathogen/physiology interactions and the molecular basis of virulence in the fungal pathogen Candida albicans. A strong background in genetics, molecular genetics, and biochemistry is desirable. Candidates with experience in bacterial pathogenesis are especially encouraged to apply. Send curriculum vitae and names and addresses three references to: Dr. William A. Fonzi, Department of Microbiology and Immunology, Georgetown University, 3900 Reservoir Road, NW, Washington, DC 20007-2197. An Affirmative Action/Equal Opportunity Employer.

SHORT-TERM TRAINING FELLOWSHIPS IN
COMPUTATIONAL MOLECULAR BIOLOGY

Available at the BioMolecular Engineering Research Center at Boston University. Housing and domestic travel support provided for one to three weeks. Fellowships open to GRADUATE STUDENTS. POSTDOCTORAL FELLOWSHIPS are available for introductory training and/or collaborative research in genetic sequence analysis, protein structure prediction and/or molecular genetic database support. Preference given to candidates in computer science or computational or informatics programs. Send curriculum vitae and description of proposed analysis problem to: Tom Graf, BioMolecular Engineering Research Center, Boston University, 36 Cambridge Street, Boston, MA 02215.

POSTDOCTORAL POSITION
NEUROSCIENTISTS
Bowman Gray School of Medicine
Winston-Salem, North Carolina

The Department of Neurobiology and Anatomy invites applications for two tenure-track faculty positions. Successful candidates will have POSTDOCTORAL experience and will be expected to maintain an independent and externally-funded research program that complements current faculty interests. These include: sensory, multisensory and sensorimotor integration, neural development and plasticity and pain. Applicants using systemic, cellular, and/or molecular approaches will be considered. Send curriculum vitae, research description, and three letters of recommendation to: Neuroscientist Search Committee, Department of Neurobiology and Anatomy, Bowman Gray School of Medicine, Winston-Salem, NC 27157-1010. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL/RESEARCH ASSOCIATE FELLOWS

Excellent opportunity exists for two qualified individuals to carry out research in a supportive academic environment. The successful candidate will hold an M.D. degree and knowledge of molecular/cell biology. The NIH-funded research projects are focused on atherosclerosis and signaling through G-protein mechanisms. The incumbent will work with Dr. Michael H. Schwartz, PhD, Head of the laboratory of Robert Goldstein, MD, Chair, Department of Biochemistry, F. Edward Herbert School of Medicine, Uniformed Services University of the Health Sciences. Excellent opportunities to apply, send curriculum vitae and names and telephone numbers of three references to: Dr. Paula Zill, Rm 2026022 & 227, JHF–Human Resources Department, 1401 Rockville Pike, Suite 600, Rockville, MD 20852. Email: hrmail.lif@jhu.edu. Affirmative Action/Equal Opportunity Employer.

Molecular Neurobiology
UNIVERSITY OF MICHIGAN

The Department of Pathology at the University of Michigan currently has an opening for a POSTDOCTORAL candidate. The available position is in the laboratory of experimental neuropathology focusing on CNS trauma, disease, and repair. An interest in molecular/neural regulation, ion and neurotransmitter transport, and metabolic/encephalopathies. Background in immunohistochemistry, in situ hybridization and molecular biology preferred. Send curriculum vitae, statement of research accomplishments, interests, and the names of three references to: Dr. Michael D. Norenberg, Department of Pathology (D-23), University of Miami School of Medicine, 1611 NW 12th Avenue, Miami, FL 33136. University of Miami is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION
available immediately to study oxidative stress responsive genes important in breast cancer. Experience in molecular techniques essential. These positions are available in the laboratories of Dr. E. Mark Nordenberg, John DeLaune, Harry Hines, and the names of three references to: Dr. Amy Fulton, Department of Pathology, University of Miami School of Medicine, 1611 NW 12th Avenue, Miami, FL 33136. University of Miami is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION
YALE

To study regeneration and regulation of gene expression in EBV-transformed mammalian b cells. Please send curriculum vitae and three names of reference to: Dr. Nancy Maisels, Department of Molecular Biophysics and Biochemistry, Yale University, 266 Whitney Avenue, New Haven, CT 06520-8114.

POSTDOCTORAL POSITION
available immediately to study Btk and Emt tyrosine kinases. Experience in molecular techniques essential. Send curriculum vitae and references to: Toshiki Kawakami, La Jolla Institute for Allergy & Immunology, 10355 Science Center Drive, San Diego, CA 92121. FAX: 619-558-3526; Email: toshiki.kawakami@lji.org.

SYMPOSIUM

SCIENCE IN THE 21ST CENTURY

The Korean Science and Engineering Foundation (KOSEF) will celebrate 20 years of operation in 1997. To mark this occasion, a symposium will be held at the Sheraton Walker Hill Hotel in Seoul from June 1 to 7, 1997, with the theme "Major Issues in Science and Technology in the 21st Century." Presentations, by invitation, will cover various disciplines as well as country reports and pronouncements from Asian and other nations. Their aim will be to help scientists, their institutions and their governments plan for a world free of poverty, disease, and war. For information contact: Dr. Lee Sung-Jin, KOSEF, 82-21-214-8663. E-MAIL: leesj@osef.or.kr

ANNOUNCEMENT

CALL FOR NOMINATIONS BUSSE RESEARCH AWARDS

Promoting international research in gerontology, two Busse Research Awards will be given at the XVth International Congress of Gerontology, Adelaide, Australia, August 1997. Two gerontologists (JUNIOR or MID-CAREER) who have made significant contributions to aging research will be selected. One award will recognize a scientist from the social/behavorial sciences, the other, from the biomedical sciences. Awards: $2000 each, with up to $2500 provided for travel/living expenses. Awards must present a lecture based on their research at the Congress. Deadline for receipt of applications: October 30, 1996. For information and application forms contact: Harvey Jay Cohen, M.D.,
Jury Chair,
Busse Research Awards,
Center for Aging,
Box 3003,
Duke University Medical Center,
Durham, NC 27710, USA.
Telephone: 919-660-7502
FAX: 919-684-8566
Email: ray000404@mc.duke.edu

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Marketplace ads continue on page 1138
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