lengths, from ultraviolet through the visible spectrum. A variety of easily installed single and dual excitation and emission wavelength filter sets allows for the use of any of the dye combinations used in flow cytometry. The device can detect particles less than 0.2 μm in size and resolve size differences as small as 20 nm. Bio-Rad Laboratories. Circle 144.

Protein Data Bank Software

Molecular Images Software is a program for searching, viewing, and rendering Protein Data Bank (PDB) files under Microsoft Windows and Windows 95. A Macintosh version is due out shortly. The program allows users with personal computers to perform most of the molecular modeling work typically done on high-priced Unix workstations. A fast, interactive molecular viewing feature allows coloring, selecting, and fitting of PDB files. The user can select, label, color, model, mutate, and analyze individual residues and structures. Viewing options include depth cue, perspective, backbone, all atoms, wire frame, ball-and-stick, and more. Molecular Images. Circle 145.

Literature

Invitrogen Product Catalog 1996 contains up-to-date information on more than 275 products for gene expression and analysis. More than 60 new products have been added since the last printing. Included are cloning and expression vectors, nucleic acid purification kits, gene transfer products, expression systems, polymerase chain reaction products, and custom services. Invitrogen. Circle 146.

Product Specifications for Vacuum Dessicator Model 55300-00 describes this contamination- and corrosion-free space for cooling, drying, and storage of moisture-sensitive material, including thin-layer chromatography plates, halide salt cells for infrared spectrophotometers, and chemical standards. Labconco. Circle 147.

HPLC Tips and Tricks: Making Connections and Material Compatibility is a 16-page guide to finding the right fittings and tubing. It contains compatibility information, particularly on chemical resistivity of metals and polymers. Phenomenex. Circle 148.

The Guide to Selecting an ICP is a reference tool for those considering the purchase of an inductively coupled plasma (ICP) spectrometer. It includes a glossary of ICP terminology. Leeman Labs. Circle 149.

Pyris 1 Differential Scanning Calorimeter describes the first in a new line of advanced thermal analysis instruments that operates under the powerful, 32-bit Microsoft Windows NT and Windows 95 operating systems. Advanced features include the use of platinum resistance thermometers instead of thermocouples for linear temperature measurement. A unique combination of trapped-air, high-tech epoxies, and aluminized coatings provide superior baseline reproducibility and day-to-day precision. Pyris Software for Windows is a brochure on the software that controls the system. Perkin-Elmer. Circle 150.
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—MacUser, 9/93

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—Bob Sandler, Philadelphia Area Computer Society, 10/92

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—Walter T. Linde-Zwirble, Clinical Outcomes, Summer 93

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—MacWeek, 7/5/93

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—Herbert F. Weisberg and Charles E. Smith, Jr. Political Science, 6/93

“Data Desk provides a single, integrated, extensive, completely interactive environment to enable data exploration.”

—Roger Pinkham, Notices of the American Mathematical Society, 2/94

Statistics
Summary Statistics for individual variables. Frequency Tables and Contingency Tables. Standard Tests and Confidence Intervals including nonparametric tests. Correlation: Pearson Correlation, Spearman Rank Correlation, Kendall Tau, Coefficient of Multiple Regression. Weighted Regression, Polynomial Regression, full suite of diagnostic plots and statistics, all linked to update automatically if the data are changed. Nonlinear Regression, Logistic Regression, ANOVA: N-way balanced or unbalanced ANOVA. General Linear Model: N-way, ANOVA, MANOVA, and Repeated Measures; fixed effect, random effect, and mixed models; unbalanced designs; nested designs, designs with missing cells, and weighted analyses. Diagnostic statistics and plots: Post-Hoc, Cell Means and Coefficients—modify the data, factor type, or model, and reconstruct the analysis in place, unique OverView Table for multivariate models. Cluster Analysis. Principal Component Analysis: saves principal axes as equation so "neatly" versions with simple coefficients. and allows you to easily control the output. Transformations on variables are propagated through the analysis automatically if the data are changed, so they are always up-to-date. A free, user-controlled, dynamic graphics.

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Circle No. 67 on Readers' Service Card
Meeting Announcement

**Tyrosine Phosphorylation and Cell Signaling**

To be held at The Salk Institute in San Diego, California, August 21-25, 1996

Organizers: Tony Hunter and Bart Sefton
Keynote address: Tony Pawson

Topics to be covered include:
- Growth Factor Receptors
- Protein Tyrosine Phosphatases
- Cytokine Receptors, JAK Kinases, and STATs
- Cytosolic and Nuclear Protein Tyrosine Kinases
- SH2, SH3, PTB, and PH Domains
- Cell Cycle Regulation
- Neuronal Development
- Cell Adhesion and the Cytoskeleton

This meeting is the second in a series started at the CSH Laboratory last year and will have the same format of short talks and poster sessions. Speakers will be selected from those who submit abstracts.

Information: Kathleen Murray
Phone (619) 453-4100, ext. 1227, Fax (619) 453-3015
kathleen_murray@QM.salk.edu
http://www.salk.edu

The Salk Institute for Biological Studies

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POSITIONS OPEN

FACULTY POSITION: MOLECULAR MICROBIOLOGIST

The Department of Ornithology, Pathobiology is seeking applications for a TENURE-TRACK FACULTY position at the Associate or Assistant Professor level with emphasis on molecular virology or microbiology in the study of avian pathogens and/or diseases. A Ph.D. or equivalent and postdoctoral experience in the study of microbial pathogenesis, especially virology, is highly desirable. The primary responsibility is to develop and maintain an active research program in virology and participate in graduate training. Please submit curriculum vitae, a summary of research interest, names of four references, and a letter to: Cyncro Beach-Millford, Department of Veterinary Pathobiology, W213 Veterinary Medicine, 1600 East Rollins, University of Missouri—Columbia, Columbia, MO 65211. Applications including telephone number in which position is filled is the University of Missouri is an Equal Opportunity/Affirmative Action Employer and specifically invites and encourages applications from qualified women and minorities.

DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS
Medical Sciences Campus
University of Puerto Rico

Applications are invited for tenure-track faculty positions (three), rank up to ASSOCIATE PROFESSOR depending on experience. Area of research interest is open. Teaching obligations include participating in teaching physiology and laboratory courses and graduate and central students, and graduate courses in one’s area of research. We expect a successful candidate to have an ongoing research program and to seek external funding. In addition to the tenure-track positions, vacancies for visiting professors (contracts for one or two years) are anticipated. Applicants should send curriculum vitae, summary of current research, and names of three references to: Hugo Sillau, Department of Physiology and Biophysics, School of Medicine, University of Puerto Rico, G.P.O. 50667, San Juan, PR 00936-5067. Telephone: 809-758-2525, ext. 1609; FAX: 809-758-5206. Review of applications will begin immediately and continue until the positions are filled. The University of Puerto Rico is an Equal Opportunity/Affirmative Action Employer.

WATER QUALITY POSITION. The Nicholas School of the Environment at Duke University seeks applicants for a non-tenure-track visiting Assistant Professor in water quality modeling and risk assessment. Applicants should have training and experience in fields related to the understanding, prediction, and measurement of water quality and biological variables controlling water quality. Experience in statistical water quality models and risk assessment for solving water quality issues is desired. A successful candidate is expected to teach a water quality modeling and a water quality management course, advise graduate-level professionals and Ph.D. candidates, and participate in research and teaching efforts in the School. Position is available immediately. Applications received between April 25, 1996 will be guaranteed consideration. Applicants should send a resume and the names of three references to: Chair, Water Quality Search Committee, Nicholas School of the Environment, Duke University, Durham, NC 27708-0328. Equal Opportunity Employer.

PHARMACOLOGIST
ALBANY COLLEGE OF PHARMACY

Applications are invited for a 12-month TENURE-TRACK FACULTY appointment in Pharmacology. Requires a Ph.D. in pharmacology or in related areas, and at least five years of experience in teaching pharmacology and in basic or clinical research. Major responsibilities include teaching and/or precepting of preclinical and pharmacy students and participating in active research program. The position offers excellent opportunities for collaborative research with faculty of the College and with other institutions in the Albany area. Applicants should send a letter of interest, a curriculum vitae, and the names and addresses of three references by May 29 to: Dr. Y. H. Shieh, Dean, Albany College of Pharmacy, Union University, 106 New Scotland Avenue, Albany, NY 12208. The Albany College of Pharmacy is an Equal Opportunity Employer.

HARVARD UNIVERSITY
Appointment in Earth Science

The Department of Earth and Planetary Sciences, Harvard University, plans to make two appointments in areas dealing broadly with paleoclimate and superficial or near-surface processes.

The appointments will ordinarily be made at the junior level, although in exceptional circumstances a senior appointment is possible.

In addition to carrying out an active research program, the successful candidate will be expected to teach at both the undergraduate and graduate levels. The appointments are expected to start in the spring of fall of 1997.

Applicants should send curriculum vitae, descriptions of research and teaching interests, and names of three references to: Dr. A. Kleinen, Department of Earth and Planetary Sciences, Harvard University, 20 Oxford Street, Cambridge, MA 02138. Applications are due by 1 May 1996. Harvard University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

NEUROSCIENCE
BAYLOR COLLEGE OF MEDICINE

The Division of Neuroscience at Baylor College of Medicine is recruiting FACULTY with research interests in neural mechanisms. Successful candidates will join faculty with research programs taking molecular, biochemical, biophysical, or theoretical approaches to related problems in neuroscience. Although new faculty will become part of an existing institute and will participate in a limited training program, they will interact with and teach at the graduate level, and will devise the vast majority of their efforts to the execution of a vigorous, independent research program. Applicants should have a Ph.D. or M.D. degree, and postdoctoral experience is required. The successful candidate will be expected to present a completed postdoctoral training program and will be evaluated for their ability to establish and manage an independent, intramurally funded research program. Applications will be accepted until the position is filled. Please submit a curriculum vitae and the names of three references to: Dr. H. J. Shepherd, Chairperson, Search Committee, Department of Ophthalmology, Baylor College of Medicine, 1000 Galloway Street, Houston, TX 77030. Baylor College of Medicine is an Equal Opportunity/Affirmative Action Employer.

The Department of Ophthalmology, Wayne State University School of Medicine, invites applications for a TENURE-TRACK FACULTY position at the Assistant, Associate, or Full Professor level. Applicants are required to hold a Ph.D. in a related field of study and to have at least two or more years of postdoctoral training. Candidates will be expected to demonstrate evidence of originality and the ability to maintain an active, externally funded research program, as well as a record of research productivity. Candidates should also possess effective teaching skills for participation in graduate training programs. The Department currently offers the faculty appointment additional training in molecular biology and genetics to the study of cells and viruses. We seek an individual with compatible interests who will contribute to the growing faculty in the Department of Ophthalmology. Interested candidates should submit a curriculum vitae, description of research plans, and names of three references to: Dr. C. J. Rock, Chairperson, Search Committee, Department of Ophthalmology, Wayne State University School of Medicine, 4417 S. Antoine, Detroit, MI 48201. Wayne State University is an Equal Opportunity Employer.

MICROBIOLOGY/GENETICS

Nine-month LECTURESHIP beginning September 1, 1996 to teach microbiology to biology and nursing majors, genetics to biology majors, and general science labs to potential elementary school teachers. Deadline for applications: August 1, 1996.

For further details contact: Biology Department, California State University, Bakersfield, CA 93311. Email: bio@academic.csbak.edu.
MEDICAL WRITER

Leading New York medical communications agency has an immediate opening for a WRITER with at least two years’ related experience. A Ph.D. in the biological sciences, particularly immunology, is also acceptable. An aptitude and ability to write clear, concise copy. The candidate will be expected to work on his or her own initiative, and interface with physicians, clients, and writers. At least some commuting travel may be required. Please send resume to:

Sixth Floor
16 West 30th Street
New York, NY 10010

PLANT ECOLOGIST

UNIVERSITY OF TEXAS AT EL PASO
DEPARTMENT OF BIOLOGICAL SCIENCES

University of Texas at El Paso (UPT) Department of Biological Sciences and the Environmental Engineering Program are seeking an ASSISTANT PROFESSOR specializing in plant community ecology. Applicants with strong quantitative skills and a focus on desert communities, including such interactions, are especially encouraged to apply. Candidates should have a strong commitment to teaching and research at both the undergraduate and graduate level. Send resume, statement of research interests, teaching philosophy, names and addresses of three references (name, address, telephone) to: Dr. William MacKay, UPT, Department of Biological Sciences, El Paso, TX 79968-3515. Review of applications will begin in April 1, 1996. The University does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services. 

RESEARCH FACULTY POSITION

UNIVERSITY OF UTAH HEALTH SCIENCES CENTER
Department of Pharmaceutical Informatics
Genetic Epidemiology Group

A FACULTY POSITION is available for a Ph.D. with a background in genetic research. Candidate must be interested in genetic analysis of common diseases. Our current studies involve putative genes for breast cancer, colon cancer, prostate cancer, and melanoma. Candidate will work with team to model and map these loci, refine linkage studies and gene/environmental interactions for linked loci. Send a resume and three letters of reference to: Genetic Epidemiology, Department of Medical Informatics, 391 Chipeta Way, Suite D2, Salt Lake City, UT 84108. The University of Utah is an Affirmative Action/Equal Employment Opportunity/Affirmative Action Employer and encourages applications from women and minorities.

STANFORD UNIVERSITY
SOIL/ENVIRONMENTAL GEOSCISSIONIST

The Department of Geological and Environmental Sciences at Stanford University invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. This new position is intended to complement our growing research and teaching programs, at both the graduate and undergraduate levels, in environmental geoscience. Research specialties may include, but are not limited to, geochemistry and biogeochemistry of soils, both modern and ancient, aqueous/groundwater geochemistry, mineral/solid-water interactions at molecular to macroscopic levels, and geological cycling and modeling. We are particularly interested in applicants who apply the principles of soil science and geochemistry in a quantitative fashion to understand environmental systems and who have a strong background in modern analytical chemistry/geochemistry studies of mineral/solid-water systems. The application deadline is June 1, 1996. Applicants must have a Ph.D. degree at the time of appointment. Please send a letter of interest, a statement of teaching and research objectives and accomplishments, a curriculum vitae, a publication list, and the names and addresses of three potential recommenders to: 

Gordon E. Brown, Jr., Department of Geological and Environmental Sciences 
Stanford University 
Stanford, CA 94305-2115

Stanford University has a strong institutional commitment to the principle of diversity. In that spirit, we particularly encourage applications from women, members of ethnic minorities, and individuals with disabilities.

POSTDOCTORAL POSITION

The Neurosciences Institute is an independent, not-for-profit organization at the forefront of research on the brain. Located in San Diego, the Institute is also the home of the Neurosciences Institute’s Graduate and Postdoctoral Programs and serves as an international meeting place for neuroscientists. Fellows have opportunities to interact with visitors from many institutions worldwide.

Applications are invited for positions as JUNIOR FELLOWS in Theoretical Neurobiology. Since 1987, the Institute has had a research program dedicated to developing biologically realistic, computationally testable models of neural systems. Current projects include large-scale simulations of neuronal networks, the design of behaving automata, and detailed formulations of biologically based models of various systems. Junior Fellows will have opportunities for collaborations with Senior Fellows in Theoretical Neurobiology and colleagues at the Institute in developing neural models and theoretical approaches to understanding brain function. Fellows in Theoretical Neurobiology will also have daily opportunities to interact with Fellows in Experimental Neurobiology. Applicants should hold the postdoctoral level with strong backgrounds in experimental or theoretical neuroscience or related fields. Experience in computer modeling and in the use of whole-cell recording techniques is available.

Fellows will receive stipends appropriate to their qualifications and experience. Candidates should send a short statement of research interests, a curriculum vitae, and the names of three references to: Dr. M. Edeleanu, Director, The Neurosciences Institute, 10640 Jay Hopkins Drive, San Diego, CA 92121.

POSTDOCTORAL POSITION

to study molecular mechanisms of intestinal ischemia/reperfusion injury in transgenic mice overexpressing supersoxide dismutase. Ph.D. in biochemistry or related area. Experience in molecular biology essential. Send curriculum vitae and three references to: Dr. Devendra Deshmukh, Department of Surgery, University of Medicine and Dentistry of New Jersey, Medical Education Building, New Brunswick, NJ 08903. The University of New Jersey is an Affirmative Action/Employment Opportunity Employer, Minorities/Females/Disabled/Veterans, and a member of the University Health System of New Jersey.

POSTDOCTORAL FELLOW

Position available immediately to conduct research on the active sites and regulatory sites of enzymes. Approaches used include affinity labeling, site-directed mutagenesis, phosphoamidite chemistry of modified enzymes and peptide isolation and characterization. Ph.D. in biochemistry required. Send curriculum vitae and three references to: Dr. Roberta F. Colman, Department of Chemistry and Biochemistry, University of Delaware, Newark, DE 19716. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

available to study anaerobic bioremediation of aromatic hydrocarbons in aquifers and aquatic sediments. Experience in the application of molecular techniques to the study of microbial populations is required. Please send curriculum vitae and names of references to: Dr. Derek Lovley, Department of Microbiology, University of Massachusetts, Amherst, MA 01003. FAX: 413-545-1578; Email: dlovley@microbio.umass.edu. University of Massachusetts is an Equal Opportunity/Affirmative Action Employer.

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POST-DOCTORAL FELLOW
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We require a Ph.D. in a relevant field, with substantial experience in the biotechnology and/or pharmaceutical industry that is applicable to the above duties, superb organizational and management skills, as well as documented excellence in research and teaching activities. Competitive salary and excellent benefits including immediate pension vesting, 4 weeks vacation, health, dental and tuition plans for self and children. Please send resume to: Divisional Administrator, Cornell University Medical College, Box 86, ST-585, 1390 York Avenue, New York, NY 10021.

CORNELL UNIVERSITY
MEDICAL COLLEGE

AlphaGene

AlphaGene is a rapidly growing biotechnology company founded by scientists from Harvard Medical School. The Company is developing high-quality, innovative gene libraries, ultra high-speed sequencing and high-throughput screening systems. These improved genomic tools will enable the development of novel approaches in the biologic and genetic analysis of human disease.

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Candidates must possess a Ph.D. degree in molecular biology with extensive (3-5 years) experience in cloning, DNA sequencing, and expression of heterologous genes in prokaryotic and eukaryotic cells. Experience in the synthesis of gene libraries, PCR, site-directed mutagenesis, and genetics is highly desirable. Scientific creativity, commitment to organizational goals, excellent written and oral communication skills, and the ability to work as a member of a team are a must.

AlphaGene offers a competitive salary and benefits package commensurate with the individual's skills and experience. This opportunity provides an environment for both personal and professional growth. We are located in the greater Boston area, amidst strong academic institutions and a growing community of biotechnology companies. Qualified candidates are requested to submit, in confidence, a cover letter, their curriculum vitae, and two references to: AlphaGene, Building 96, 13th St., Charlestown, MA 02129, Attn: Human Resources Department. AlphaGene is an Equal Opportunity Employer M/F/DV.

Molecular/Cellular Biologist

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To apply for this Palo Alto, California opening please send your resume to: Hewlett-Packard Company, Attn: Ad #3675/17275, 1266 Kifer Road, MS100D-EY, Sunnyvale, CA 94086 or e-mail: elaine_yaman@hp2200.desk.hp.com

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http://sci.aaas.org/nextwave

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ASSISTANT TO DIRECTOR FOR SPECIAL POPULATIONS

The National Institutes of Health, National Institute on Aging, has a position available in the Office of the Director as the Assistant to the Director for Special Populations. The candidate must have knowledge of women's health issues and policies or knowledge of minority populations' health issues and policies. The incumbent will advise the NIA Director and senior staff on health research issues related to special populations, including minorities, women, and persons with disabilities. The incumbent serves as the NIA focal point and spokesperson for establishing goals for special populations' research and training programs; communicating with scientific and medical communities and other government agencies about NIA health research and training programs for special populations; and collaborating with NIA program directors on the conception, design, development, and implementation of research initiatives which include special populations carried out by NIA's extramural and intramural programs.

Applicants must have a degree with a major study in an academic field related to the health sciences or allied sciences appropriate to the work of the position. Professional experience researching and analyzing materials pertinent to special populations and making presentations to scientific and non-scientific audiences both orally and in writing is desired. Salary range: $62,473 to $81,217 per annum.

Application and Deadline: All applicants must be U.S. citizens and must submit an Application for Federal Employment (OF-612), resume, and/or curriculum vitae no later than April 15, 1996. For qualification and application information, contact:

CHRISTINE HARTZ, NIA PERSONNEL OFFICE
BUILDING 31, ROOM 2C02, 31 CENTER DRIVE, MSC 2292
BETHESDA, MD 20892-2292

To receive a faxed copy of the complete announcement, call 1-800-728-5627, ID #1201.

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PHARMAKOPEIA is a dynamic biopharmaceutical company that applies novel encoding technology to chemical combinatorial synthesis enabling production of large and diverse libraries of low molecular weight chemical compounds for use in drug screening programs. Our research staff is advancing high-throughput primary screening methods and sophisticated functional screens specifically designed for these unique chemical libraries.

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101 College Road East
Princeton, NJ 08540
FAX: (609) 452-2434

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National Institute for Occupational Safety and Health
Health Effects Laboratory Division

NIOSH has established a new state-of-the-art research facility and research division in Morgantown, West Virginia, to conduct applied and multi-faceted laboratory-based research into the diagnosis, mechanisms, and control of adverse health effects due to workplace exposure to hazardous substances or agents.

The Toxicology and Molecular Biology Branch has a number of upcoming employment opportunities:

Research Scientists/Medical Officers in Molecular Biology, Pharmacology, and Toxicology to direct research groups in the following areas: dermatotoxicology, molecular toxicology/biology, neuroscience/neurotoxicology, molecular epidemiology, immunotoxicology-hepatotoxicology, and chemical carcinogenesis.

Biologists and Biological Technicians with experience in conducting cellular and molecular biology research.

This branch is expected to (1) conduct research toward understanding how biological systems are affected at the molecular, cellular, and organ levels by workplace exposure to hazardous substances or agents, (2) study the integrative links between various organ systems as they pertain to human health effects from workplace exposures, and (3) develop new techniques and biological markers for workplace-related exposures and diseases.

For information regarding current vacancies and application materials, contact:

NIOSH, Human Resources Management Office
1095 Willowdale Road, P-153
Morgantown, WV 26505-2888

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Here at Chiron, we are on the leading edge of biotechnology research and scientific advancement, producing an array of therapeutic and diagnostic tools to advance potential cures for cancer and serious infectious diseases. We currently have the following opportunity in our Drug Discovery Research group:

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In this position, you will perform innovative research to aid in the identification of small molecule receptor ligands from compound libraries. You will also develop and optimize new analytical techniques utilizing mass spectrometry and ligand receptor bioassays. Experience with database utilization, data reduction and presentation methodologies is highly desirable as is a working knowledge of the principles of protein-protein and protein-small molecule interactions.

If you have the dedication, spirit and flexibility to rise to our many challenges, send your resume to Chiron Corporation, Human Resources, Box #96-039, 4560 Horton Street, Emeryville, CA 94608. We are an equal opportunity employer.

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**MAYO CLINIC**

**DIVISION OF MEDICAL ONCOLOGY**

**AND MAYO CANCER CENTER**

**Clinical Research Positions**

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

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

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**TENURE-TRACK POSITION IN THE BIOSTATISTICS BRANCH**

**DIVISION OF CANCER EPIDEMIOLOGY AND GENETICS, NCI, NIH**

A position is available for a medical statistician to design, conduct, and analyze observational and experimental studies of cancer in human populations. These studies are intended to increase understanding of the environmental and genetic determinants of carcinogenesis. Current related studies include an observational study on progression of precancerous gastric lesions and an intervention trial to prevent progression of these lesions.

The candidate must have clinical experience, a strong background in medical and biological sciences, and a mastery of statistical methods needed to design and analyze epidemiological studies and clinical trials and to develop new analytic approaches when needed. The candidate should have an M.D. degree and a Ph.D. in statistics, or its equivalent.

Members of the Biostatistics Branch develop new statistical methods for designing and analyzing epidemiologic studies, provide consultation and collaboration on a wide range of cancer studies, and plan and conduct independent and cooperative research in cancer etiology and genetics using statistical and biometric approaches.

Interested applicants should send a Curriculum Vitae and list of publications, copies of the three most significant publications, three letters of reference, of which only two can come from the candidate's institution, a summary of research accomplishments, and a statement of research interests and goals.

For further information contact:

**JOSEPH F. FRAUMENI, JR., M.D.**
Director, Division of Cancer Epidemiology and Genetics
National Cancer Institute
Executive Plaza North, Room 543
8130 Executive Blvd., MSC 7389
Bethesda, Maryland 20892-7389
TEL: (301) 496-1611; FAX: (301) 402-3256
EMAIL: FraumeniJ@EPNCDE.NCI.NIH.GOV

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Successful candidates will need a BS degree and 4-10 years of laboratory experience or an MS degree and 2-8 years of laboratory experience. Background must include molecular biology, biochemistry or molecular pharmacology plus strong technical and interpersonal skills in a research setting. Experience with receptors, transporters, G proteins or other signal transduction systems is highly desirable. Technical skills, such as cDNA library construction and screening, mammalian tissue culture, expression and purification of recombinant proteins, and assay design are preferred.

We offer an excellent compensation package including a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume with salary requirements to: Human Resources-BP, Dept. DD9535, Schering-Plough Research Institute, K-15/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.

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Research Institute

Using Science For Human Advantage
POSTDOCTORAL POSITIONS available immediately in a new Foundation Fighting Blindness Research Center. One involves studies on signal transduction mechanisms involved in mutation induced cell death and rescue of photoreceptors. Another involves studies of the mechanism and experience of up-regulation of growth and proteoglycan biosynthesis accompanying photoreceptor stress and degeneration. A third involves studies of the regulation of extracellular matrix turnover and the involvment of mutations in the TIMP family of proteinase inhibitors in retinal degeneration. Previous experience with cell biology, molecular biology, or protein-protein interaction techniques are required. Candidates must be able to perform independent research and have excellent verbal and writing skills. Interested individuals should send curriculum vitae, a statement of past research activities, and names of three references to Dr. G. Hoeflich, Ph.D., Director of Ophthalmology Research, Research Institute FFB, The Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195-5245. FAX: 216-445-5670. Email: hoeflich@csempt.ccf.org. The Cleveland Clinic Foundation is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION Pathogenesis of Lyme Disease

A POSTDOCTORAL POSITION is available to study interaction of the Lyme disease spirochete with mammalian cells. Studies include the analysis of transcriptional and translational control of extracellular matrix genes in mammalian cells. Requirements: 1. Ph.D. and a background in molecular biology, microbiology, and/or biochemistry. 2. Strong background in cell biology and in vitro techniques. 3. Ability to work independently. 4. Ability to communicate results. Interested individuals should send curriculum vitae, summary of research experience, and names of three references to Dr. J. M. Leong, Director of Molecular Genetics and Microbiology, University of Massachusetts Medical Center, 55 Lake Avenue North, Worcester, MA 01605.

POSTDOCTORAL POSITION DNA REPAIR/TOPISOMERASES

Available immediately to study a novel eukaryotic activity that liberates DNA from covalent association with Topoisomerase I to reveal the true topology of DNA. Requirements: 1. Ph.D. and a background in molecular biology, biochemistry, and/or genetics strongly preferred. 2. Applicants must have less than five years postdoctoral experience. 3. Send curriculum vitae and names of three references to Dr. Howard A. Nash, Laboratory of Molecular Biology, Building 36, Room 1B08, NIMH, National Institutes of Health, Bethesda, MD 20892-4034. FAX: 301-402-0425; Email: NASH@CDDON.NIH.GOV. National Institutes of Health is an Equal Opportunity Employer.

POSTDOCTORAL OPPORTUNITY for a recent Ph.D. well-trained in protein biochemistry and/or molecular biology to study the regulation and function of cytoplasmic dynein. Send curriculum vitae and names of three references to: Dr. S. G. Morris, M.D., Ph.D., Department of Pharmacology, UMDNJ-Robert Wood Johnson Medical School, 675 Hoes Lane, Piscataway, NJ 08854. The University of Medicine and Dentistry of New Jersey is an Affirmative Action/Equal Opportunity Employer. Women, Minorities/Females/Disabled/Veterans, and a member of the University Health System of New Jersey.

POSTDOCTORAL POSITION in organic chemistry or biochemistry to study chemical and metal carcinogenesis. The successful candidate will synthesize carcinogen-B[a]P conjugates and undertake mechanistic studies into mechanisms of carcinogen-DNA adduct formation, including the analysis of carcinogen-DNA adducts generated both in vivo and in tissue culture systems. Background and experience in organic chemistry and biochemistry is required. Send curriculum vitae and three letters of recommendation to: Thomas Meehan, Department of Biochemical Sciences and Division of Toxicology, Box 0446, University of California, San Francisco, CA 94143.

INDIANA UNIVERSITY

POSTDOCTORAL POSITIONS are available to study the control mechanisms of cytokine gene expression and signal transduction. Candidates with background in molecular biology or biochemistry should send curriculum vitae, summary of research experience, and names of three references to: Dr. Zhihua Zhang, Department of Biochemistry, School of Medicine, Indiana University School of Medicine, IBS40, 795 West Walnut Street, Indianapolis, IN 46202. Telephone: 317-274-7812; FAX: 317-274-7092.

POSTDOCTORAL POSITIONS available in the University of California–San Francisco. Two three-year positions are available to study molecular and cellular aspects of tumor immunology. Multidisciplinary approach utilizes molecular biology, including phase display, protein chemistry, cellular immunology and biophysical techniques to develop novel recombinant antibody-based strategies for targeted tumor therapy. The successful candidate will have a Ph.D. and demonstrated experience in one of the following areas: cellular immunology, protein chemistry, virology, or endocrinology. Send curriculum vitae, brief statement of research interests, and names, addresses, and telephone numbers of three references to: James D. Marks, M.D., Ph.D., University of California–San Francisco (UCSF), Room 3C-38, 1001 Potrero, San Francisco, CA 94110. Email: Jim_Marks@quake.ucsf.edu.

POSTDOCTORAL POSITION available immediately to investigate mechanisms of primate lentiviruses persistence and disease induction. Experience with HIV and SIV propagation, titration, and serology, including neutralizing antibody assays, expertise in constructing and characterizing wild type, mutant, and chimeric provirus DNA clones, and animal challenge experiments are required. Training in RNA and DNA PCR technology and FACS analysis are highly desirable. An M.D. or Ph.D. degree in virology, molecular virology, and molecular biology is essential. Send curriculum vitae, statement of research experience, future goals and the names of three references by May 1, 1996 to: Dr. Charles E. Jenkins, Laboratory of Molecular Microbiology, NIAID, NIH, Building 4, Room 301, 4 Center Drive, MSC 0460, Bethesda, MD 20892-0460. NIH is an Equal Opportunity Employer.

UNIVERSITY OF AUCKLAND

POSTDOCTORAL POSITION available to join a team characterizing melanocortin receptors which are involved in activities including neuroendocrine and cardiovascular control, obesity, diabetes, and nerve injury. Background in protein withdrawal/antagonist signal transduction and additional information contact: Dr. Kathy Mountjoy, FAX: 64-9-537-7497; Email: kmountjoy@auckland.ac.nz. Applications close April 19, 1996 with Registry, University of Auckland, Private Bag 92009, Auckland, New Zealand. Send curriculum vitae and names of three referees. Quote Vacancy Number UAC709.

HARVARD

POSTDOCTORAL POSITIONS are available to study molecular mechanisms regulating anticancerous effects of thalidomide, transcriptional regulation, and biological function of genes important for growth and differentiation of vascular smooth muscle cells, regulation of vascular tone, terminal differentiation of bone marrow angiogenic cells in vitro and in vivo experience with molecular biology and/or protein chemistry is required. Please send curriculum vitae and names of three references to: M. F. Lee, M.D., Ph.D., Associate Professor, Cardiovascular Biology Laboratory, Building 2, Room 129B, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115.

POSTDOCTORAL POSITION in Molecular Biology. Available immediately to study the impact of antiretroviral resistance mutations on HIV-1 protease and reverse transcriptase on viral replication and recombination. Procedures involve site-directed mutagenesis, PCR amplification, protein expression and purification, mammalian cell transfection, and HIV-1 culture. U.S. citizenship or permanent resident required. Submit curriculum vitae and three references to: Dr. Lisa M. Demeter, Infectious Diseases Unit, University of Rochester Medical Center, 601 Elmwood Avenue, Box 689, Rochester, NY 14642. FAX: 716-442-9328.

POSTDOCTORAL POSITION available to study cell cycle structure and/or function. Techniques in my laboratory include: 1) electrophysiology to study the function of genetically-altered ion channels, 2) experiments to characterize the interaction of plasma membrane proteins with extracellular matrix proteins, and 3) X-ray structure determination of ion channel binding proteins (inhibitory and regulatory) and their complexes with their target domains on the ion channel. An individual with experience in cell biology, electrophysiology, structural biology, or biochemistry is sought. Send curriculum vitae and references to: Roderick MacKinnon, Rockefeller University, 1250 York Avenue, New York, NY 10021.

WAYNE STATE UNIVERSITY SCHOOL OF MEDICINE

Three POSTDOCTORAL POSITIONS are available immediately in the Department of Pathology for successful hard-working candidates with strong motivation to become independent scientists in a productive and exciting research environment.

Position 1: To study growth factor and/or DNA damage-induced apoptotic pathways (PANs, 92-95601, 1995; Cancer Res., 55:4520, 1995). Strong background in molecular and cellular biology is required. Send requests to Dr. Hyong Reh Choi Kim.

Position 2: To study the regulation of activation of matrix metalloproteinase (MMP-9) mediated matrix metalloproteinase activation in cancer cells (Cancer Res., 55:2548, 1995). Applicants should have a strong background and experience in enzymeology, protein chemistry, and molecular biology. Research involves structure function analysis of the enzyme inhibition by antibodies, kinetic analysis, site-directed mutagenesis, and recombinant protein expression. Send requests to Dr. Rafael Friedman.

Position 3: To study the role of tumor-stroma interactions on matrix metalloproteinase activation and inhibition in breast cancer. Experience in tissue culture, cell and molecular biology techniques, extracellular matrix substrates and chemistry is essential. Send requests to Dr. Rafael Friedman.

Qualified applicants should send curriculum vitae, a brief description of research experience, and three names of references to: Dr. Kim (Position 1) or Dr. Friedman (Positions 2 and 3), Department of Pathology, Wayne State University, 540 East Canfield, Detroit, MI 48201. FAX: 313-877-0057.

POSTDOCTORAL RESEARCH POSITION THE JACKSON LABORATORY

Bar Harbor, Maine

The NDPCD initiated a contract with the Jackson Laboratory (JL) to breed and distribute the numerous strains of mice at JL. The major effort will be to screen mice from each strain for auditory brainstem response (ABR) thresholds and to map newly identified genes. The POSTDOCTORAL RESEARCH POSITION will have significant responsibility for particular auditory genes and/or associated phenotypes. Candidate must have Ph.D. or M.D., some experience testing mice, and interest in working with hearing mice. To apply, please submit a curriculum vitae and summary of research interests to: Lawrence C. Erway, Ph.D., Screening Project Consultant, Department of Biological Sciences, University of Cincinnati, OH 45221.

POSTDOCTORAL POSITION REPRODUCTIVE BIOLOGY

Recent Ph.D. with a strong background in male reproductive biology to study the effects of estrogen on epididymal function at the molecular level. Experience in molecular biology, endocrinology, and tissue culture desirable. Position available July 1996. Salary competitive with experience. Send letter of application, curriculum vitae, and names of three references to: Dr. David Bucknick, University of Illinois, Department of Veterinary Biosciences, 2001 South Lincoln Avenue, Urbana, IL 61801. Closing date: April 15, 1996.

POSTDOCTORAL OR RESEARCH ASSOCIATE POSITION is available immediately to characterize and clone genes affecting atherosclerosis using the mouse model. Techniques include genetic map construction by PCR, and positional cloning. Interested candidates should contact: Beverly Paigen, Ph.D., The Jackson Laboratory, Bar Harbor, ME 04609. FAX: 207-288-5172; Email: bjp@aretha.jax.org.

POSTDOCTORAL POSITION available to study signal transduction through receptors for tumor necrosis factor (TNF) in human cells using by PCR, and positional cloning. Interested candidates should contact: Beverly Paigen, Ph.D., The Jackson Laboratory, Bar Harbor, ME 04609. FAX: 207-288-5172; Email: bjp@aretha.jax.org.
Cargill, one of the world's largest and most diversified companies is involved in the production, trade, transport and processing of commodities and financial investments. Recent expansion into complex and demanding new business areas and product lines has created exciting opportunities for talented chemists and scientists within our North American Corn Milling Operations based in Eddyville, Iowa.

Process Chemist

A PhD in Chemistry and at least 5 years of experience in industrial process chemistry, including organic and process chemistry experience, are required. You must be an extensive and original thinker able to identify, plan, perform and sell project ideas and work independently to prioritize and identify projects. The ideal candidate will be an outstanding communicator able to work with all disciplines within the organization. Primary responsibilities include developing downstream processes for fermentation as well as process improvement and cost reduction opportunities in the production plant.

Research Microbiologist

Applicants must have a PhD in Microbiology, Biochemistry, Microbial Physiology, Microbial Genetics or related discipline and 2-5 years of hands-on experience in microbial fermentation. Experience with biostatistical/factorial designs of experiments and strong interpersonal skills are required. Primary responsibilities involve propagating, manipulating, maintaining and preserving various microbial cultures/spores; and designing, conducting, recording and interpreting results using shakeflasks, bench-top, pilot, and production scale fermentors.

We offer a highly competitive compensation and benefits package in a smoke-free environment. For consideration, please send resume, including salary requirements and position of interest, to: Jeanne McCaherty, Cargill Corn Milling, 1 Cargill Drive, Eddyville, IA 52553-5000. Employment is contingent upon passing a pre-employment physical, drug and alcohol screen and criminal background check. For more information about Cargill visit our home page at www.cargill.com.
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La Jolla, CA at The Scripps Research Institute, October 4-5.

**To pre-register, please submit your resume or CV via fax:**
(202) 289-6742, or via e-mail: bioscience@aaas.org. Please indicate to which bioSCIENCE Career Fairs you would like to have it distributed. Please remember to bring multiple copies of your CV or resume with you to the Career Fairs.

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Head of Laboratory for Combinatorial Chemistry

The main task of this position will be to establish the technology of combinatorial chemistry as a means of searching for and optimizing a lead structure and exploiting it in conjunction with external know-how. Known chemical reactions are to be tested, optimized and used preferably on solid substrates to automatically synthesize substance libraries or individual substances simultaneously for screening.

To perform these extensive tasks, the head of laboratory is in charge of several technically highly qualified laboratory assistants.

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Steinfeldstraße 2
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The University of Leipzig offers a five-year position as head of a clinical research group of scientists in the field of neurological research at the "Interdisciplinary Centre of Clinical Research." This group is to study the pathogenesis of neurodegenerative diseases, Alzheimer's disease, Parkinson's disease, and Amyotrophic lateral sclerosis, working in cooperation with the clinical Centres of Neurology and Psychiatry.

We are calling upon expressions of interest from established researchers who have demonstrated excellence in the fields of Cell Biology and Molecular Biology.

Applicants are invited to send their CV, including a list of publications, no less than three references, and their conceptions of a clinical oriented research program to the address given below:

University Hospital Leipzig
Dezemat 3, Personalwesen
Liebigstraße 20, D-04103 Leipzig, Germany

For further information please contact: Coordinator of Neuroscience at IDZL, Prof. Dr. med. V. Bigl, Phone: +49-341-97 25 700.

ASSOCIATED UNIVERSITIES, INC.

PRESIDENTIAL SEARCH

The Trustees of Associated Universities, Inc. (AUI) seek nominations for a successor to the current AUI President, who is planning to retire after 16 years of service. AUI is a not-for-profit corporation, headquartered in Washington, DC, which operates the Brookhaven National Laboratory, under contract to the Department of Energy, and the National Radio Astronomy Observatory, under a cooperative agreement with the National Science Foundation.

Candidates should have an advanced degree in the physical sciences and have had significant experience both in research and in the management of research. Knowledge of federal R&D programs and agencies will be a strong asset. Salary is negotiable. The desired starting date is year-end 1996. Nominations of, and applications from, women and minority candidates will be especially welcome.

Inquiries, nominations, and applications should be sent to:

Dr. John A. Armstrong
Search Committee Chair
Associated Universities, Inc.
1400 Sixteenth Street, NW, Suite 730
Washington, DC 20036-2217
The Department of Radiology at the University of Pittsburgh, School of Medicine is recruiting for the position of an experienced MRI physicist to work in the newly established MR Research Center.

This is a non-tenure stream position with an expected hiring date in the Fall of 1996. This position is at the rank of Assistant Professor, depending on past experience and academic credentials. Salary for this position is dependent on experience and training.

Candidates must have a Ph.D. in MRI/MRS physics and 5 years postdoctoral experience in MRS/MRI. The successful applicant must be familiar with software and algorithm development for Signa whole body scanners and have evidence of research activity that has resulted in publications and presentations. The successful candidate will report to the Chief of MR Research. The job responsibilities will include development of software, creation of parametric images including MR angiograms, display of MRI and MRS images for clinical interpretation, and the use of echo planar functional MRI data.

Interested candidates should submit a completed curriculum vitae to Keith Thulborn, M.D., Ph.D., Chief, MR Research, MR Research Center B-822.1, Presbyterian University Hospital, University of Pittsburgh Medical Center, Pittsburgh, PA 15213. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer.

FRED HUTCHINSON CANCER RESEARCH CENTER

A new drug discovery project, termed "The Seattle Project," has been initiated in the Clinical Division of the Fred Hutchinson Cancer Research Center. Our goal is to develop new paradigms for discovering anti-cancer chemotherapeutic drugs. The project will grow to a size of 20-30 people.

Opportunity for Chemist-Molecular Biologist

We are seeking a chemist interested in working on projects to identify protein targets for drugs that selectively kill yeast cells defective for their damage responses. Experience in signal transduction pathways, yeast two-hybrid screens, and synthetic organic chemistry is required. This is a tenure track position with an appointment in the Molecular Pharmacology Program of the Clinical Division.

Opportunity for Molecular Biologists at both Post-Doctoral and Senior Scientists Levels

We are seeking molecular biologists interested in working on projects to identify drugs that selectively kill mammalian cells defective for their damage responses. Some of these projects are focused on developing new assays to detect damage response pathways defective in cancer cells. Other projects involve identifying the components of these pathways. Experience in mammalian repair pathways and cancer biology is required. These positions will have appointments in the Molecular Pharmacology Program of the Clinical Research Division.

Please send C.V., three letters of recommendation (to Steve Friend, M.D., Ph.D.), and a description of current research endeavors and long term interests by May 1, 1996.

Steve Friend, M.D., Ph.D.  
Director of Molecular Pharmacology  
Fred Hutchinson Cancer Research Center  
1124 Columbia Street, M477  
Seattle, WA 98104  

Lee Hartwell, Ph.D.  
Department of Genetics  
Fred Hutchinson Cancer Research Center  
Box 357360  
University of Washington  
Seattle, WA 98195-7360

GLOBAL CAREER OPPORTUNITIES

Position of Professor of Organic Chemistry in Lyon

Lyon's strong tradition and reputation in organic chemistry dates to the epoch of Victor Grignard. Lyon remains a leading industrial and academic center for organic chemistry in Europe. A partnership between Claude Bernard University, the newly created School of Chemistry, Physics and Electronics of Lyon, and a consortium of industrial partners invite applications for a post of:

Professor of Organic Chemistry

The position will be granted to an outstanding established organic chemist. Excellent facilities (lab space, equipment and positions) will be associated with this professorship.

Applications will be accepted until June 1st, 1996. The position should start officially in mid-1997.

Please send your curriculum vitae and letter of intention to:

Jean-Marie BASSET  
Scientific Director  
CPE-Lyon - Bât. 308  
43 boulevard du 11 Novembre 1918  
69616 Villeurbanne Cedex  
Fax: (33) 72 43 16 70

or

Joseph REMILLEUX  
President of the Scientific Council  
Université Claude Bernard-Lyon I  
43 boulevard du 11 Novembre 1918  
69622 Villeurbanne Cedex  
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RESEARCH SCIENTIST  
MOLECULAR PHARMACOLOGY

We seek a Molecular Pharmacologist to join our drug discovery team. The successful candidate will have a Ph.D. and at least 2 years of Post-Doctoral training. A working knowledge of receptors, channels, and/or second messengers is required, as is familiarity with cell cultures and heterologous expression systems. Industrial experience, especially with high-throughput drug screening assay development, is strongly preferred.

Trophix is located in South Plainfield, New Jersey, approximately 40 minutes from New York City. Send resume along with salary history and references to:

Trophix Pharmaceuticals, Inc.  
40 Greengood Road  
South Plainfield, NJ 07080  
Attn: Human Resources/MP
On 14 June, SCIENCE will publish a special advertising section devoted to career opportunities for scientists with disabilities. This section will examine the steps being taken by employers to make their work environments accessible to all scientists.

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To advertise contact Janis Crowley
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Advertising space reservation deadline: 21 May
Boehringer Ingelheim Animal Health, Inc.
Clinical Investigator

Boehringer Ingelheim Animal Health, Inc., manufacturer of animal health products, has an immediate opening for a Clinical Investigator.

Qualifications for the position include a D.V.M. or Ph.D. degree plus 3-5 years of research experience in the animal health industry. The ideal candidate will possess understanding of and experience with FDA Good Laboratory Practice (GLP) and Good Clinical Practice (GCP) regulations, animal research protocol development, animal testing management or study direction, raw data interpretation, and the production of scientific reports.

Excellent interpersonal skills with oral and written communication aptitudes are required. Computer literacy (IBM based) is also necessary.

Product development experience is preferred and 2-5 years of practice or practical experience is desirable.

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

Vice President, Human Resources
Boehringer Ingelheim Animal Health, Inc.
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Equal Opportunity Employer

Mary Gertrude I'Anson Professor of Tissue Engineering
University of Toronto

The Institute of Biomedical Engineering of the University of Toronto is seeking applicants for the I'Anson Professorship in Tissue Engineering. This is a tenure-track position for an Assistant Professor. Cross-appointments will be made to the Department of Chemical Engineering and Applied Chemistry and the most appropriate unit within the Faculty of Medicine, pending the background and specific research interest of the successful candidate.

The I'Anson Professor is expected to initiate a new collaborative research program addressing fundamental problems in tissue engineering such as, but not limited to, controlling inflammation, defining the mechanisms of cell activation, or the interactions between cytokines and extracellular matrix. The I'Anson Professor is expected to teach in the existing Bachelor's, Master's and Doctoral Programmes, and to supervise graduate students. The I'Anson Professor is expected to be a major contributor to the development of Cellular and Molecular Bioengineering at the University of Toronto and to the strengthening of existing linkages between the Faculty of Medicine and the Faculty of Applied Science and Engineering. The Institute for Biomedical Engineering is part of both Faculties: its mission is to teach students "to identify and solve critical problems in biology, medicine and health management, where engineering and physical science can make significant contributions." The Health Sciences complex at the University is one of the largest in North America.

The successful applicant will have a Ph.D., excellent teaching skills, a strong background in his or her discipline and demonstrated success at collaborative research at the interface between engineering and medicine. An engineering background is not a prerequisite.

Applications should be sent to Professor Michael V. Sefton, Institute of Biomedical Engineering, University of Toronto, Toronto, Ontario, MSS 3G9. Include a C.V., a summary of research and teaching interests, and letters from three references. The closing date for applications is May 31, 1996. The effective date of the appointment will be September 1, 1996.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Toronto encourages applications from qualified women and men, members of visible minorities, aboriginal peoples and persons with disabilities.
Advertise in the Women in Science Advertising Supplement.
In the 26 April Women in Science special section, we will examine the challenges facing women scientists in industry. By running a full page advertisement in this issue, you can show your commitment to hiring women scientists at every professional level and showcase your organization as an ideal workplace for women.

Participate in the SCIENCE-sponsored bioSCIENCE Career Fair!
When you advertise in the 26 April issue, your organization can also participate in the bioSCIENCE Career Fair being held on the Stanford University campus in Palo Alto, CA, May 3-4. This career fair is open to experienced scientists. BS, MS and PhD scientists from all disciplines will attend.

Great benefits for all advertisers:

- Qualify to participate in the SCIENCE-sponsored bioSCIENCE Career Fair, 3-4 May, Stanford University, Palo Alto, CA.
- Bonus distribution to the Association for Women in Science, and to the bioSCIENCE Career Fair.
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To advertise contact Janis Crowley
Phone: (212) 496-7704; FAX: (202) 682-0816.
Assistant Professor

The Department of Biological Sciences of Wellesley College, Wellesley, Massachusetts, has a three year non tenure-track position for a Physiologist at the Assistant Professor level. This individual will be involved in the teaching of some combination of animal physiology, human biology, neurobiology, introductory organi-

mal biology and cell physiology. Applicants must have a Ph.D. and a record of teaching and research in this area.

Send a cover letter and three letters of reference by April 15, 1996 to:

Search Committee Chair
Department of Biological Sciences
Wellesley College
106 Central Street
Wellesley, MA 02181

Wellesley College especially welcomes applications from ethnic minorities.

FACULTY POSITION
UCLA MEDICAL SCHOOL

The Department of Pathology and Laboratory Medicine invites applications for a tenure-track position at the Assistant or Associate Professor level in the field of epithelial cell biology and pathogenesis. Investigations on polarized cell types are now poised for major advances in our understanding of epithelial cell genetics, differentiation and regulation of growth, and the role of cell-cell interaction and cell signalling play in these processes. Areas of focus for prospective candidates may include transgenic and somatic gene transfer systems for the study of mammalian epithelial cells; model genetic systems to study epithelial development (e.g. Drosophila, Caenorhabditis elegans); molecular biochemistry of inter- and intracellular signalling in differentiation, growth control and carcinogenesis; molecular and genetic analysis of host-pathogen interactions and mucosal immunity.

This recruitment builds on the outstanding scientific environment and attractive Westwood campus of UCLA, the cosmopoli-
tan environment of Los Angeles, and the accessible mountain, ocean, and desert recreational areas of Southern California. A comprehensive set-up package of state-based salary, operational resources, and new laboratory space will be available to the successful candidate. Qualified applicants possessing the M.D., Ph.D., or equivalent degree should send curriculum vitae, statement of research interests, and the addresses and telephone and fax numbers of three references to: Oliver Hankinson, Ph.D., Search Committee Chair, Department of Pathology and Labo-

ratory Medicine, University of California, 10833 Le Conte Avenue, Los Angeles, CA 90095-1732. The University of California is an Affirmative Action/Equal Opportunity Em-

ployer.

The Institute of Genomic Medicine (IGM), a nonprofit organization dedicated to mapping the human genome and understanding the genetic causes of diseases, seeks to hire a geneticist/molecular biologist with outstanding conceptualization and writing skills. This person will serve as the GRANTS SCHOLAR for a highly qualified team of scientists (MD's and Ph.D.'s). Candidates must possess a Ph.D. degree in molecular biology with strong interests in the areas of cell biology and the genetics of human disease. Recent postdoctoral experience is essential. Scientific insight, dedication, a results-oriented focus, and the ability to work as a member of the team are musts.

The Institute of Genomic Medicine was founded by scientists from Harvard Medical School. The Institute is located in the greater Boston area, amidst strong academic and medical institutions. The IGM offers a competitive academic salary and benefits package. The significant opportunities for professional growth in an environment of scientific innovation and excellence makes this a unique situation.

Qualified candidates should submit a cover letter, their curriculum vitae, samples of scientific writing, and two letters of reference to: The Institute of Genomic Medicine, Building 96, 13th St., Charlestown, MA 02129, Attn.: Dr. George Scheele. An Equal Opportu-
nity Employer M/F/V.
**POSITIONS OPEN**

HEAD, DEPARTMENT OF PLANT, SOIL, AND ENVIRONMENTAL SCIENCES
Montana State University

We are seeking a dynamic individual to lead and coordinate teaching, research, and outreach programs in agronomy, horticulture, plant improvement, soil science, and weed science. Required qualifications: 1) Earned Ph.D. in crop science, horticulture, plant science, soil science, or closely related field, and 2) Academic qualifications necessary to qualify for initial appointment as ASSOCIATE or FULL PROFESSOR. Applicants must request a copy of the complete vacancy announcement, which describes required and preferred qualifications and application procedures, from the address below. Screening of applications will begin May 6, 1996 with a starting date on or before November 1, 1996. Please contact: PSES Department Head Search Committee, 202 Linfield Hall, Montana State University, Bozeman, MT 59717. Telephone: 406-994-2681; FAX: 406-994-6579; Email: aaxsm@msu.oscs.montana.edu. ADA/Equal Opportunity/Affirmative Action/Veterans Preferred.

**POSITIONS OPEN**

SENIOR SCIENTIST
BACULOVIRUS EXPRESSION

Novagen has an immediate opening for a senior-level R&D SCIENTIST. This position requires extensive experience with the baculovirus expression system. The ideal candidate will have a thorough knowledge of baculovirus biology. In addition, the position requires basic molecular biology skills: protein expression and purification, PCR, DNA isolation and cloning. Minimum qualification is an M.S. degree with three years of experience. Send resume to: Novagen, Inc., 597 Science Drive, Madison, WI 53711. Novagen, Inc. is an Equal Opportunity Employer.

**DEVELOPMENTAL BIOLOGIST**
Seaver College of Pepperdine University is seeking a broadly trained person with competency in cell biology, genetics, and developmental biology (plant or animal systems). Our current approval is for a one-year (1996 to 1997) appointment only; approval is pending for tenure-track status for this position.

The successful applicant will be expected to teach general genetics and developmental biology for upper-division biology majors and participate in the introductory cell biology course for freshman biology majors, and may also be assigned a non-major biology course as needed. For tenure-track consideration, potential for research, including the supervision of undergraduate research students, will also be a major consideration. Applicants should provide a letter of interest, curriculum vitae, the names and telephone numbers of at least three references. Send c/o Dr. Norman Hughes, c/o Natural Science Division, Pepperdine University, Malibu, CA 90265. Email: nhughes@pepperdine.edu. Applications will be reviewed until a suitable candidate is found, but should be received by 1 May 1996 to ensure consideration. Pepperdine University is an independent Christian university affiliated with the Churches of Christ. An Equal Opportunity Employer; women and minorities encouraged to apply.

**PRE- AND POSTDOCTORAL POSITIONS AT HARVARD**

Pulmonary Biology and Pathobiology

POSTDOCTORAL POSITIONS in lung biology and respiratory diseases supported by an NHLBI Training Grant are available now. Doctoral positions (Ph.D. and Sc.D.) will be available in 1997. Areas include biomechanical properties of cells and tissue in normal and inflamed lungs, smooth muscle and airway constriction in asthma, mediators and adhesion molecules involved in pulmonary inflammation, the effects of inhaled particles, lung infections, control of breathing in humans, sleep-related breathing disorders and respiratory sensations, as well as epithelial cell, macrophage, lymphocyte, and neutrophil lung biology. Cellular, molecular, and integrative physiological approaches are encouraged. Please send curriculum vitae, a brief statement of goals, and names of three references to: Joseph D. Brain, Physiology Program, Department of Environmental Health, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115. Telephone: 617-432-0926; FAX: 617-432-4710. Further information available at http://ppg-core70. Telephone inquiries encouraged. NIH support available for U.S. citizens and permanent residents. Minority applicants encouraged.

**PROTEIN CHEMIST TECHNICIAN**

Position available for qualified protein/peptide CHEMIST to work in the National Institute of Allergy and Infectious Diseases (NIAID), NIH. Candidate should have expertise in peptide chemistry, protein purification and analyses, and/or protein expression technology. Salary will be commensurate with credentials. Preferred M.S./B.S. with experience. Will consider Ph.D. U.S. citizenship required. For application information please Telephone: 301-496-3213. Qualified candidates should send curriculum vitae, including three references, to: NIAID Personnel Office Building 31, Room 7A20 31 Center Drive MSC 2520 Bethesda, MD 20892-2520 Attention: Kristie Daniel NIH is an Equal Employment Opportunity Employer.

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**CHAIRPERSON DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY**

The University of Texas Medical Branch (UTMB) at Galveston invites applications and nominations for the position of Chair of the Department of Microbiology and Immunology. UTMB seeks a distinguished scientist with an M.D. and/or Ph.D. degree, an outstanding record of significant scientific productivity, a commitment to excellence in teaching both graduate and medical students, and the ability to attract external funding. The candidate should also have the capability to offer scientific leadership to a department covering the broad disciplines of microbiology and immunology and the commitment to lead the department to national prominence and academic excellence. The department occupies space in a new research building. Collaborative opportunities with many departments and centers, including the WHO Collaborating Center for Tropical Diseases and Sealy Center for Molecular Science at UTMB, are of the highest caliber. Current Departmental and campus-wide strengths include virology, intracellular bacteriology, and mucosal immunity. Strengthening immunology or building upon existing areas of excellence, including interactions with strong divisions in Internal Medicine, Pediatrics and Pathology, would offer a rewarding leadership opportunity.

The Department currently includes 28 full-time faculty members. The new Chair will have the opportunity to recruit additional faculty members. The Department is responsible for teaching UTMB medical students and has an active Ph.D. graduate program.

Interested applicants should send a detailed curriculum vitae, an outline of current and future research interests, and names of three references to: David H. Walker, M.D., Chair, Microbiology Search Committee, Department of Pathology, The University of Texas Medical Branch, 301 University Blvd., Galveston, TX 77555-0609. UTMB is an equal opportunity affirmative action employer M/F/DV.

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A three and one-half day symposium on the campus of Rutgers University, June 24-27, 1996. Sponsored by The Environmental and Occupational Health Sciences Institute (EOHSI) at the University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School and Rutgers University. For information: Diane E. Heck, Ph.D. or Jeffrey D. Laskin, Ph.D., EOHSI, 681 Frelinghuysen Rd, Piscataway, NJ 08855 (908) 445-0219, FAX (908) 445-0119 or Howard Maibach M.D., UCSF (415) 673-3533, FAX (415) 673-9693. Registration and abstract forms: (908) 235-5062.
VIRAL PATHOGENESIS SCIENTIST
Virion Systems, Inc., a Maryland biotechnology corporation, seeks a SCIENTIST with expertise in viral pathogenesis using small animal models. Our projects include studies of the pathogenesis and therapy of viral infections, and the development of new vaccines and vaccine strategies for viral and bacterial agents. The position requires a doctoral degree and postdoctoral experience. Candidates with clinical experience and/or experience with parainfluenza virus or herpesvirus pathogenesis will be favored. Please send a letter of interest, a curriculum vitae, and the names of three references to: Dr. Earle, Vice President, Virion Systems, Inc., 9610 Medical Center Drive, Suite 100, Rockville, MD 20850. An Equal Opportunity/Affirmative Action Employer.

The Research Centers in Minority Institutions (RCMI) program at Clark Atlanta University seeks an experienced TOXICOLOGIST to coordinate the research and research-related activities in its Center for Research in Environmental Science and Toxicology (CREST). The person selected must have demonstrated relevant research productivity in environmental toxicology or a related area. He or she must also have proven leadership skills. A Ph.D. degree in toxicology or a closely related field is required. Interested persons should send a current curriculum vitae to: Dorothy Sparrow, Director, RCMI Program, Clark Atlanta University, James P. Brawley Drive at Fair Street, SW, Atlanta, GA 30314. Clark Atlanta University is an Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSOCIATE, UNIVERSITY OF TEXAS AT EL PASO
DEPARTMENT OF BIOLOGICAL SCIENCES
Position is available April 15, 1996 to participate in an NIH-funded research project on cell cycle modulation of DNA repair. Ph.D. in biochemistry and/or biology with a research background in molecular biology, tissue culture, PCR, construction of genomic libraries, and DNA sequencing. Supervise undergraduate and graduate students in the laboratory. Send curriculum vitae, a short statement of research accomplishments, and three letters of recommendation to: Dr. Pablo Arenas, UTEP, Department of Biological Sciences, El Paso, TX 79968-0619. Telephone: 915-747-6008. Deadline for receipt of resumes is April 1, 1996. The University does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or the provision of services.

A RESEARCH POSITION is available. Candidates must possess a Ph.D. in immunology or parasitology and a minimum of five years of research experience in parasitology or immunology. A strong background in experimental vaccination in animals, cytokine biology, protein chemistry, and molecular biology is required. Knowledge and experience in tropical medicine and excellent verbal and written communication skills are required. Technical expertise in hybridoma monoclonal antibody, ELISA, immunohistochemistry, immunoprecipitation, FACS analysis, Western, Northern and Southern Blots, DNA sequencing, PCR, DNA cloning and plasmidial culture are required. Previous experience in designing an animal model for malaria vaccination based on malarial erythrocytic proteins is greatly desirable. Candidates must have NIH funding. Salary $50,000 per year. For immediate consideration send a curriculum vitae to: Division of Hematology, Montefiore Medical Center, 111 East 210 Street, Bronx, NY 10467. Attn: Malaria research position.

EAST TENNESSEE STATE UNIVERSITY
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RESEARCH ASSOCIATE. Ph.D. in chemistry, biochemistry, or related field. One year of experience preferred or postdoctoral in studying mast cells and in using fluorescence imaging, cell culture, and protein purification techniques. $26,000 per year. 40 hours per week 8:00 a.m. to 5:00 p.m. Monday through Friday. Salary and fringe benefits negotiable. Apply: Employment Security Commission, 1105 Briggs Avenue, Durham, NC 27703 or nearest Job Service Office. Reference: 66-1839. Equal Opportunity Employer. State Social Security Number. State basis for work authorization in the United States.

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</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
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