LINE CLASSIFIED ADVERTISEMENTS

DEADLINES: Ads are due by Thursday, 10 a.m., 2 weeks prior to the issue date. Science publishes each Friday, except the last Friday of the year. Advertisers must submit in writing.

HOW TO SUBMIT A CLASSIFIED AD: Prepare double-spaced typewritten ad copy on a separate sheet. Do not include any abbreviations. Science will edit ads according to this guideline. Deadline for applications stated in ad must be at least 2 weeks after date of publication. Also include a cover sheet which gives name and phone number of contact person, desired date of publication, and billing information. Inquiries, special invoicing requests, Mail or FAX materials to:

SCIENCE Classified Advertising
1333 H Street, N.W., Room 946
Washington, D.C. 20005
Telephone: 202-326-6555
FAX: 202-622-0816

CLASSIFICATIONS: Science publishes line classified ads under the following headings: Positions Open, Equipment Agreements, Situations Wanted, Courses and Training, Meetings, Announcements, and Marketplace. Advertisers should specify classification desired.

HOW TO CALCULATE RATE FOR CLASSIFIED AD: Ads are $41 per line with a $410 minimum. One line equals 52 characters and spaces; centered headings equal 32 characters and spaces.

To ESTIMATE ad cost, count total number of 52 character lines and multiply by $41 to find approximate cost of ad per week. Each line of centered headings counts as one line. Also count one line for white space between headline and first line of text; all partial lines are counted as full lines (including all centered reply information).

Remember, this is a rough estimate only. Allow for variation between estimated typewritten lines and ads actually typeset for magazine. Therefore, purchase orders must allow additional funds for flexibility and/or adjustment. Science cannot provide proofs of typeset ads.

PREPAYMENT DISCOUNT: A 3% cash discount is granted to all prepay ads. Prepayment made in U.S. dollars by checks drawn on U.S. banks is required on all foreign ads.

CREDIT CARDS: Science accepts MasterCard and Visa. Personal and corporate credit cards may be used. Prepayment does not apply to credit cards.

BOXES AND LOGOS: Any line classified ad can be boxed or given a logo. Send logo to: Science, 1333 H Street, N.W., Room 946, Washington, D.C. 20005. Logos are billed according to the number of lines needed to fit logo in space.

CANCELLATIONS: Deadline for cancellation is 10 a.m., Tuesday, 10 days prior to issue date.

DISPLAY PERSONNEL ADVERTISEMENTS

For rates, deadlines, and information about fractiona-display ads (all ads 1/8 page and larger) and Marketplace listings of available products and services, contact:

Scherago Associates
1005 5th Avenue
New York, NY 10036
Telephone: 212-730-1050
FAX: 212-882-9728

CONDITIONS: Personnel advertising is accepted only when the understanding is that the advertisers do not discriminate among applicants on the basis of race, sex, national origin, handicap, or sexual preference. Science reserves the right, at its discretion, to decline to publish advertisements which it considers misleading.

POSITIONS OPEN

ASSISTANT PROFESSOR. Agricultural Engineering Department, The University of Maryland. A tenure-track 10-month faculty position with 100% teaching in the area of ecological or biological systems management including water quality/water chemistry is available. Applicant is expected to teach undergraduate and graduate courses in agricultural engineering and natural resources management and to conduct research projects on ecological or biological systems engineering. A Ph.D. in biological engineering (and/or combined biology and engineering) or closely related fields is required. Application deadline is 1 August 1991 or until position is filled. Applicants should send resume, academic transcripts, and three letters of reference to Dr. Adel Shamshuruddin, Agricultural and Natural Resources Engineering, The University of Maryland, College Park, MD 20742.

An Equal Opportunity/Affirmative Action Employer.

VERTEBRATE PHYSIOLOGIST—ANATOMIST

The Department of Biology of Wilkes University offers a full-time, ASSISTANT PROFESSOR faculty position commencing on 28 August 1991. The successful candidate will be expected to teach courses in human anatomy and physiology for nursing students, a sophomore level course in comparative anatomy, and upper level courses in mammalian physiology and histology and to take part in general biology laboratory instruction. While excellence in both teaching and scholarship are essential objectives of the department, a research program including involvement with advanced undergraduates is expected.

This is a tenure-track position, but 1-year appointments will be considered.

Applicants must submit full curriculum vitae, three letters of recommendation, reprints of recent publications, and a statement of teaching philosophy. Due to time constraints, the deadline for receipt of applications is 22 July 1991.

Wilkes is a comprehensive regional university with a strong science and engineering component and with a wide range of undergraduate programs as well as a limited number of master's degree programs. The university is located in Wilkes-Barre, the largest city in the region. Wilkes-Barre, along the Susquehanna River and has an undergraduate enrollment of approximately 2000 students. There are approximately 320 biology majors, of whom some 70% are in various premed programs. The placement of alumni to graduate and professional programs has been very strong. Submit materials to:

Dr. Lester Turcotte, Chairman
Department of Biology
School of Science and Engineering
Wilkes-Barre, PA 18766

Wilkes is an Affirmative Action/Equal Opportunity Employer.

BIOMOLECULAR ENGINEERING

COLLEGE OF ENGINEERING AND TECHNOLOGY
LOYOLA UNIVERSITY CHICAGO

Applications are invited for a tenure-track faculty position in biomolecular engineering at the rank of ASSISTANT PROFESSOR. Applicants should have a Ph.D. with an outstanding academic record in an engineering or related discipline. The successful candidate will participate with an active group in extending the biomolecular engineering area within the College of Engineering and Technology. Applicants should have a research program of national recognition on the synthesis of recombinant proteins and peptides, their large-scale production, and downstream processing. A strong commitment to both undergraduate and graduate education is expected. Applicants should have a Ph.D. in chemical or biological engineering with a minimum of 3 years of research experience including extramural funding.

Salary is negotiable and is expected to range from $40,000 to $45,000, depending on qualifications. Applications are encouraged from women, members of minority groups, and individuals with disabilities.

Submit resume, names and addresses of three references to:

Dr. John P. Ronan, Chair
Department of Chemical Engineering
Loyola University Chicago
1032 W. Chicago Avenue
Chicago, IL 60657

Email: jronan@llave1.chicagoloyola.edu

LOYOLA UNIVERSITY CHICAGO

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY
LOYOLA UNIVERSITY CHICAGO

The Department of Microbiology and Immunology of Loyola University Chicago has an immediate opening for a tenure-track virology position at the level of ASSISTANT OR ASSOCIATE PROFESSOR. The successful candidate is expected to teach extramural funding, the salary is negotiable depending on qualifications. Please submit curriculum vitae and the names and addresses of three references from whom letters of reference can be solicited to:

Katherine L. Knight, Ph.D., Chair
Department of Microbiology and Immunology
Loyola University Medical Center
2160 South First Avenue
Maywood, IL 60153

Loyola University Chicago is an Equal Opportunity Employer.

DIRECTOR, TRANSPLANTATION RESEARCH LABORATORY. Seeking a Ph.D. in chemistry, immunology, or molecular biology with interest and experience in transplantation science to direct research laboratory within an extensively active liver transplant program. A Ph.D. degree is required with support from established liver research unit. Need an innovative self-starter to take charge. Interested candidates should send their resumes to: Charles Miller, M.D., Director, Liver Transplantation, The Mount Sinai Medical Center, Box 1104, One Gustave Levy Place, New York, NY 10029.

AMVAX, Inc., a human pediatric vaccine research, development, and manufacturing company, has position openings.

PRODUCTION DIRECTOR

The individual will be responsible for directing and managing the research and production of bacterial vaccines. The successful candidate must have a M.S./Ph.D. and a minimum of 5 years of experience in the production of bacterial products under GMP conditions. The individual will report directly to the vice president of manufacturing.

RESEARCH ASSOCIATE—FERMENTATION

Qualified candidate must have a B.S./M.S. in microbiology and a minimum of 3 years of experience in small scale and large scale fermentation. A knowledge of GMP and experience in polyclonal/monoclonal production would be beneficial. Equal Opportunity Employer. We offer highly competitive salaries and benefits. Send curriculum vitae to:

AMVAX, Inc.
Personnel Director
12040 Indian Creek Court
Beaverton, OR 97007
Telephone: 503-470-6100; FAX: 503-470-6198

A position in Brevia Area Office located at Fermi National Accelerator Laboratory to serve as PROJECT MANAGER for the Fermilab Main Injector construction project. Equal Opportunity Employer. U.S. citizenship required.目前已知的岗位需要的年薪范围从低$60,000到$80,000。有意者必须有工程学位。投递简历最好在2月份前。
**POSITIONS OPEN**

**ECOLOGICAL MODELING/ENVIRONMENTAL TOXICOLOGY**

A tenure-track research/teaching appointment up to the level of PROFESSOR is available in Clemson University's Department of Environmental Toxicology and The Institute of Wildlife and Environmental Toxicology. Responsibilities will involve modeling biological movement and effects of contaminants in wildlife to include prediction of effects from multiple contaminants. Models will be based on toxicology research data from vertebrate and invertebrate species. Ability to integrate fate and transport models and population models is essential, as is advanced computer skills. The integration of ecosystem modeling with GIS technology to develop modeling processes that involve geographic and landscape variables is desirable. Requirements include a Ph.D. in an appropriate discipline and excellence in research as demonstrated by publication record and other achievements. Send curriculum vitae, letter of application, and list of references by 19 July 1991 to: Dr. Raymond Noblet, Department of Environmental Toxicology, P.O. Box 709, Fort Valley, GA 31030. Equal Opportunity/Affirmative Action Employer.

**THE INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA)**

Seeks DEPUTY DIRECTOR of the Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture. Applicants should hold a Ph.D. or equivalent degree in one of the natural sciences with thorough knowledge and experience with isotope and radiation applications in agricultural research. A minimum of 15 years of experience in scientific administration at the national level, experience in international administration desirable. Tax-free emoluments of approximately $320,000 per annum. Additional allowances for dependents. Initial contract for 3 years. Six weeks annual leave. Travel and removal expenses paid. Applicants should send their curriculum vitae quoting Vacancy Notice No. 91/029 to: The Division of Personnel, International Atomic Energy Agency, P.O. Box 100, Wagramerstrasse 5, A-100 Vienna, Austria, before 21 September 1991.

**CURATOR/SYSTEMATIST**

Position for ASSISTANT CURATOR of the U.S. National Tick Collection, Institute of Arthropodology and Parasitology (IAP), Georgia Southern University. Candidate must have Ph.D. in a zoological science, training in modern systematic theory and practice, background in taxonomy and systematics of taxa of medically important arthropods (preferably ticks), and experience in computer applications. Duties include curating the National Tick Collection, providing tick identification service, conducting and publishing original research on ticks, and obtaining external grant support. Salary competitive depending upon qualifications. Send letter of application, names of three references, curriculum vitae and official copy of educational transcripts to: H. H. Oliver, Jr., Director, IAP, Georgia Southern University, Landrum Box 8056, Statesboro, GA 30460. Deadline: 1 October 1991. Georgia Southern is an Affirmative Action/Equal Opportunity Institution. The names of applicants and nominees, résumés, and other general noneducational information are subject to public inspection under the Georgia Open Records Act.

**PROGRAM ADMINISTRATOR—PROGRAMS SIGMA XI**

THE SCIENTIFIC RESEARCH SOCIETY

Develop and expand several of the society's programs, including grants-in-aid of research; regional and national lecutureships; special lectures; science, mathematics, and engineering education; and science and society. Essential qualifications include broad scientific education, a talent for writing, and experience in writing and managing grant proposals. An interest or involvement in science education or science and society topics is advantageous. A Ph.D. or equivalent degree is required. Some travel is involved. This position may be of particular interest to research scientists with 3 to 5 years of work experience. Position available 1 September 1991, or until filled. Send résumé and salary requirements to: Dr. Evan F. Ferguson, Director of Programs, Sigma Xi, The Scientific Research Society, P.O. Box 13976, Research Triangle Park, NC 27709. Sigma Xi is an Equal Opportunity Employer.
RICE UNIVERSITY
EXECUTIVE DIRECTOR FOR THE INSTITUTE OF BIO SCIENCES AND BIOENGINEERING

Position in institute with responsibilities for coordinating, developing programs, grants, and information materials. Requires Ph.D. in biosciences or bioengineering, plus research and some administrative experience (5+ years) required. Send letter of application and curriculum vitae to: J. Paul West, Rice University, Employment Office, P.O. Box 2666, Houston, TX 77252. Telephone: 713-527-0478, Equal Opportunity Employer/Affirmative Action/Equal Opportunity Institution.

DIRECTOR OF MOLECULAR PATHOLOGY
The Department of Pathology, Emory University School of Medicine, is seeking an M.D. or Ph.D. to run the molecular pathology laboratory at Grady Memorial Hospital. The successful candidate will have training and at least 3 years of experience in nucleic acid-based diagnostic techniques including blotting and amplification technology. Demonstrated experience in applications of these techniques to diagnostic laboratory medicine as well as in effective collaboration and communication with clinicians and housestaff is expected. The candidate must show evidence of accomplishment in a basic or clinical research program. Closing date for receipt of applications is 15 August 1991. Applicants should submit current curriculum vitae, names of three references to: Kenneth W. Sell, M.D., Ph.D., Professor and Chairman, Department of Pathology, 703 WMB, Emory University, Atlanta, GA 30322. Emory University is an Equal Opportunity Affirmative Action Employer.

DIRECTOR, Rhode Island Atomic Energy Commission (RIAEC), Rhode Island classified civil service position. Principal task is oversight of operation and utilization of the R.I. Nuclear Science Center and its 2-Mw research reactor. Successful applicant will be active participant in upgrade and conversion of reactor to LEU fuel. Advanced degree required in science or engineering with several years of related experience. Send resume including references and salary history to: Chairman, RIAEC, South Ferry Road, Narragansett, RI 02882-1129.

INFORMATION SPECIALIST FOR THE BASIC SCIENCES
The William H. Welch Medical Library, The Johns Hopkins University School of Medicine, invites applications for this position which provides a full range of library and information services to basic sciences departments. Applicants with qualifications include: desire to work with broad range of problems and needs faced by students and students when retrieving and managing information from scientific data bases, and a desire to contribute to solving those problems and needs, and participation in the library's instructional program. Candidates should have a graduate degree in the biological/life sciences and a background in library science, experience with teaching and online searching, and an understanding of research and academic environments. The library offers a competitive salary and benefits package. Applicants should submit an application letter and current vitae to: Craig Mulder, The Welch Medical Library, The Johns Hopkins University School of Medicine, Baltimore, MD 21205-2113. The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION. Department of Basic Pharmacology and Toxicology. Applications and nominations are sought for a tenure-track position at the ASSISTANT OR ASSOCIATE PROFESSOR level in the Department of Basic Pharmacology and Toxicology. The successful candidate should have, or be qualified to obtain, a Ph.D. in pharmacology and should have a commitment to developing an externally funded research program. Send curriculum vitae, statement of research interests, and three letters of recommendation to: Dr. Susan A. Kobilka, Department of Basic Pharmacology and Toxicology, The Johns Hopkins University School of Medicine, Baltimore, MD 21205. The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

APPLICATIONS ARE INVITED FOR THE POSITION OF ASSOCIATE OR FULL PROFESSOR IN the Department of Pharmacology and Toxicology, University of Maryland School of Medicine. The Department is seeking candidates with an active research program and a demonstrated commitment to undergraduate and graduate education. The candidate will have the opportunity to develop and direct a laboratory of their own. Candidates should have a Ph.D. or equivalent and a demonstrated record of excellence in research and teaching. Applications should include a statement of research interests and a curriculum vitae. Send applications to: Dr. Ronald J. DiSalvo, Department of Pharmacology and Toxicology, University of Maryland School of Medicine, 22 S. Greene Street, Baltimore, MD 21201. The University of Maryland is an Affirmative Action/Equal Opportunity Institution.

ARS is seeking a RESEARCH LEADER/LOCATION COORDINATOR to lead the research program at the Foreign Disease-Weed Science Research Unit in Frederick, Maryland. The unit is part of a nation research program on weed management research. The unit is part of a nation research program on weed management research. The unit focuses on research on soilborne and biological weed control, herbicides, and plant growth regulators. The candidate should have a Ph.D. in a plant pathology or plant physiology or a related discipline; knowledge of plant pathology and plant disease research methods; ability to raise and maintain greenhouse programs and to provide leadership; and ability to communicate in order to interact with scientists, agencies, and the public. Applications are sought to respond to this advertisement must be marked with the job code 10NS8, and be postmarked by 14 August 1991. USDA/ARS is an Equal Opportunity Employer.

ENVIRONMENTAL STUDIES AND TOXICOLOGY
The Bioenvironmental Studies and Toxicology (BEST) of the National Research Council (NRC) is seeking a PROGRAM OFFICER for a 1-year renewable appointment. Responsibilities include working with a core team of scientists and managers, and developing and providing an intellectual overview of report. Requires an M.D. or equivalent and at least 3 years of experience in research, teaching, or administration in toxicology, epidemiology, pharmacology, environmental health science, or a related discipline. Must understand utilization of scientific information in decision making and be able to integrate data from a wide variety of disciplines. Please submit curriculum vitae and names of references to: NRC/ BEST, 1864-RT, 2101 Constitution Avenue, NW, Washington, DC 20418. Equal Employment Opportunity Employer.

FACULTY POSITION—GROSS ANATOMY
The Department of Cellular and Structural Biology at the University of Texas Health Science Center at San Antonio invites applicants for a tenure-track faculty position at the ASSISTANT OR ASSOCIATE PROFESSOR level in the Department of Cellular and Structural Biology, Anatomy, and Neurobiology. Applicants should hold a Ph.D. or equivalent degree and previous teaching experience in gross anatomy but should be qualified to teach in all of the anatomical disciplines. Preference will be given to candidates with a productive research program capable of generating extramural support. Salary will be commensurate with qualifications. Submit a letter of application, curriculum vitae, and names and addresses of three references to: Dr. Barbara H. Bowman, Chair, Department of Cellular and Structural Biology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78284-7762.

An Equal Opportunity/Affirmative Action Employer.

BIOCHEMISTRY
MOLECULAR BIOLOGY
TEXAS A&M UNIVERSITY

The Department of Biochemistry and Biophysics is seeking applications for FACULTY POSITIONS. Applicants from all areas of biochemistry and molecular biology are invited, with start dates by September 1991. Applications should be sent to: Dr. Robert W. Butler, Department of Biochemistry and Biophysics, Texas A&M University, College Station, TX 77843. The Texas A&M University System is an Affirmative Action/Equal Opportunity Institution.

DNA AND PROTEIN CHEMISTRY FACILITY MANAGERS
Two positions are available for individuals to manage the DNA/PROTEIN Microchemical Core Facility (MCF) at San Diego State University (SDSU). The DNA Chemistry Manager will perform synthesis and purification, as well as performing sequencing analysis. The Protein Chemistry Manager will perform peptide synthesis and sequencing, in addition to protein purification and computer analysis of protein sequences. Applicants for these positions should have a master's or doctorate degree in a molecular or biological discipline, as well as research experience with the equipment required to perform the relevant analyses and the demonstrated ability to maintain equipment, supervise personnel, and manage a fee-for-service facility. The MCF is designed to provide for instructional and research support for individuals participating in the California State University Protein and Research and Research in Biotechnology (CSPURB). Salary range approximately $2975 to $5512, depending on qualifications. Applicants should submit a resume and the names of three references to: SDSU Personnel Services, San Diego, CA 92182-0741. For more information telephone: 619-594-4646.

Equal Employment Opportunity/Affirmative Action/Title VI Employer.

FACULTY POSITIONS IN MOLECULAR BIOLOGY AND MOLECULAR PHARMACOLOGY
The Department of Pharmacology and Molecular Biology at The Chicago Medical School is initiating the third phase of faculty recruitment for tenure-track position at all levels. Preference will be given to applicants who have established an independent research program in any aspect of gene expression and molecular pharmacology. The school is located in suburban Chicago adjacent to the very pleasant North Shore community of Lake Bluff, 38 miles from downtown Chicago and yet easily accessible to a wide variety of forest preserves, Lake Michigan, and cultural attractions. The department is now in an exciting stage of growth and development and has already recruited faculty of high caliber. Excellent core facilities and strong graduate program (Ph.D. and M.D./Ph.D.) with substantial financial support are available. Salary, start-up funds, and other benefits highly competitive. Please send curriculum vitae, research plans, and names for reference to: Dr. Samson T. Jacob, Chairman, Department of Pharmacology and Molecular Biology, The Chicago Medical School, 3333 Green Bay Road, North Chicago, IL 60064. The Chicago Medical School is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION
PROKARYOTIC MICROBIOLOGIST
Applications are invited for two tenure-track positions in the Department of Microbiology, University of Pennsylvania School of Medicine, to commence 1 July 1992. Candidates at the ASSISTANT PROFESSOR level are preferred, but others will be considered. Applicants should have an established research interest in prokaryotic molecular genetics, physiology, or pathogenesis. Candidates should have at least 3 years of postdoctoral experience and are expected to demonstrate the potential to develop a strong, independently funded research program. Teaching responsibilities include participation in a team-taught microbial genetics course for medical students and prokaryotic molecular genetics for graduate students. Send curriculum vitae, names of at least three references, and a statement of research accomplishments and future plans to: Dr. Daniel Portnoy, Search Committee, Department of Microbiology, University of Pennsylvania School of Medicine, Philadelphia, PA 19104-6076. Application deadline: 30 November 1991. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
At Stanford University Center for Conservation Biology we are interested in conservation biology for renewable 12-month position. Strong quantitative experience, especially in applications of science, is required. Preferred applicants will have practical conservation experience and two peer-reviewed papers required. Send letter, curriculum vitae, names/telephone numbers of three references, and statement of interests to: Dennis Murphy, Department of Biological Sciences, Stanford University, Stanford, CA 94305.
INFLAMMATION & TISSUE REPAIR

SmithKline Beecham, a world leader in pharmaceutical research has the following opportunities for Ph.D. trained scientists in the expanding Inflammation and Tissue Repair (ITR) Product Support Department. This group is responsible for worldwide non-clinical studies for ITR products that are in late-phase clinical trials or currently marketed.

SCIENTIFIC ADVISOR

This scientist will oversee worldwide non-clinical ITR studies and answer all technical inquiries regarding products in this category. Responsibilities include designing and executing experimental protocols in accordance with strategic goals and educating the scientific community on the advantages of SB products through published papers and lectures. Requirements include a Ph.D. in physiology or pharmacology, postdoctoral experience in inflammation or related discipline and five years' postdoctoral experience. Experience with small animal models and isolated tissue and isolated cell preparations is preferred. Supervisory and industry experience desired. (Position #G-0171).

ITR INVESTIGATOR

This scientist will design and execute experimental protocols, present experimental results at U.S. and international meetings, and publish research in peer reviewed journals. This individual will provide technical advice to Marketing, Sales Training and Product and Project teams as necessary. Requirements include a Ph.D. in physiology or pharmacology, postdoctoral experience in inflammation or related discipline and experience with a variety of animal models and isolated tissue and cell preparations. (Position #G-0172).

SmithKline Beecham offers a competitive salary, benefits and relocation package and a stimulating environment in which to excel and grow. Our state-of-the-art research facility is located in suburban Philadelphia, near Valley Forge, PA. For confidential consideration, forward your C.V. to: T. Gallagher, Senior Employment Administrator, (Position #), SmithKline Beecham Pharmaceuticals, P.O. Box 1539, King of Prussia, PA 19406. Equal Opportunity Employer, M/F/H/V.

SmithKline Beecham Pharmaceuticals

CHANCELLOR UNIVERSITY OF NEBRASKA MEDICAL CENTER and VICE PRESIDENT UNIVERSITY OF NEBRASKA

The University of Nebraska invites applications and nominations for the position of Chancellor of the University of Nebraska Medical Center (UNMC) and Vice President of the University of Nebraska. The Chancellor is the chief administrative officer of a modern, innovative medical center which is a major health resource for the State of Nebraska and surrounding region. In certain targeted areas, such as liver and bone marrow transplantation and cancer research, UNMC is a national resource.

The Chancellor of the medical center is appointed by and reports to the President of the University of Nebraska. Responsible for providing leadership for all instructional, research and service programs of UNMC, the Chancellor also is expected to develop and maintain effective relationships with all appropriate constituencies.

One of four campuses of the University of Nebraska, which has a total enrollment of 50,000, UNMC serves some 2,400 students in colleges of medicine, nursing, pharmacy and dentistry. The School of Allied Health is a part of the College of Medicine. In addition, UNMC offers graduate studies and research opportunities in a variety of basic science, medical science and health care areas. University Hospital is an integral part of UNMC and is a major midwest referral center. UNMC’s Eppley Institute for research in Cancer and Allied Diseases is a designated cancer research center of the National Cancer Institute. The Meyer Rehabilitation Institute is a center for the diagnosis and treatment of children and adults with developmental, genetic, physical and emotional disabilities.

The University seeks an individual with demonstrated leadership ability, a record of excellence in intellectual and academic performance, significant administrative experience in higher education and a personal commitment to education and research. An earned doctorate is desirable. A commitment to affirmative action is essential.

Initial screening of candidates will begin on or about July 15, 1991 and will continue until the position is filled. Applications and nominations should be submitted to:

James O. Armitage, M.D.
Chairman
Search Advisory Committee
UNIVERSITY OF NEBRASKA
3835 Holdrege Street
Lincoln, NE 68583-0745

The University of Nebraska is an affirmative action, equal opportunity employer which actively seeks and encourages nominations and expressions of interest from women and minorities.
POSTDOCTORAL POSITION. Available immediately for the study of novel mammalian G protein-linked serotonin receptor gene products and their gene products. Several projects are available involving regulation of gene expression or effector mechanisms, depending on mutual interests. Previous experience with molecular biology and neurochemistry is highly desirable. U.S. citizenship required. Contact: Dr. Mark W. Hambin, GREC 1823, Seattle Medical Center, Head, 1000 South Columbus Way, Seattle, WA 98108. Telephone: 206-764-2308. Equal Opportunity Employer. Minorities are encouraged to apply.

POSTDOCTORAL POSITION. To investigate the biochemical and cellular mechanisms of a new antithrombotic protein therapeutic. Ph.D. in biochemistry, molecular or cellular biology and experience with one or more of the following: protein purification and characterization, regulation of gene expression, cell culture, cell protein-linked receptors. Send resume and names of three references to: Dr. Gary R. Luthin, Department of Pharmacology, M. 409, Hahnemann University, Broad and Vine, Philadelphia, PA 19102. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION. To analyze the interactions of various effector cells populations with novel recombinant forms of IgG; will also interact with molecular biologists and develop gene therapy experiments, Preference for at least 3 years of postdoctoral training. Salary commensurate with experience. Please submit curriculum vitae, bibliography, and names of three references to: Dr. Jeffrey Schol, Laboratory of Tumor Immunology and Biology, National Cancer Institute, Building 16, Room 8B07, NIH, 9000 Rockville Pike, Bethesda, MD 20892. U.S. citizenship and/or permanent residency required depending upon type of appointment. An Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATE POSITION. The relationship of virus structure and replication to induction of antiviral response is being investigated using full-length cDNA clones of Sindbis and Venezuelan equine encephalitis viruses. One goal of these studies is to develop an understanding of the cellular basis of antiviral effects and specific mutations on viral pathogenesis. A second goal is the identification of cell cultures which are permissive to the replication of Sindbis virus. A wide range of potential projects is available within the research program, depending on the interests and training goals of the applicant. To apply, send curriculum vitae and the names of three references to: Robert E. Johnson, Ph.D., Department of Microbiology and Immunology, University of North Carolina at Chapel Hill, CB7920 804 FLOB, Chapel Hill, NC 27599. The University of North Carolina is an Equal Employment Opportunity Affirmative Action Employer.

BEHAVIORAL PHARMACOLOGIST/TOXICOLOGIST

A POSTDOCTORAL POSITION in the Intramuual Research Foundation or Visiting Fellow Program is available for basic and applied research in evaluating preclinical efficacy and safety of potential drug abuse treatments. Particular focus is on treatments for cocaine and amphetamine abuse and toxicity in animal models. The individual would work under the guidance of a neuropharmacologist or toxicologist. Experience in neuropharmacology or behavioral neurotoxicology, including research involving behavioral pharmacologists and medical chemists. Applicant, with a background in pharmacology or behavioral neurotoxicology, must have received a Ph.D. within the last 3 years. Send curriculum vitae, three letters of reference and three representative publications to: Dr. J. M. Winkin, Drug Development Group, NIDA Addiction Research Foundation, Room 3180, Baltimore, MD 21224. NIDA is a drug-free and smoke-free workplace. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH SCIENTIST

Merck Sharp and Dohme Research Laboratories at West Point, PA has an immediate opening for a postdoctoral research position in the Genetic and Cellular Toxicology Department. The area of research will involve the development of in vitro models to assess mechanisms of toxicity of pharmaceutical drug candidates. Applicants should have a background in cell biology, toxicology, or molecular biology, and should be familiar with tissue culture methods.

Excell lent salary and benefit programs accompany this position at our modern research facilities located 25 miles northwest of Philadelphia.

Please send curriculum vitae with references, transcripts and cover letter to:

Personnel Manager
Ad #C-22
Research Personnel, WP42-2
Merck Sharp & Dohme Research Laboratories
West Point, PA 19486
EEO/AA/VH/Employer

Molecular and Cellular Neurobiology

POSTDOCTORAL POSITIONS

Four postdoctoral positions centering around genetically determined degenerative diseases of the central nervous system in humans and animals are available immediately in interdisciplinary programs developed at Indiana University Medical Center in Indianapolis. Two of the positions require prior research experience in biochemistry and/or molecular biology and two positions require graduate or postgraduate experience in neuropharmacology.

Send curriculum vitae along with the names, addresses, and telephone numbers of three references to: Dr. L. G. Tucker, Director, Program in Medical Neurobiology, Room 142, Medical Science Building, 635 Barnhill Drive, Indiana University School of Medicine, Indianapolis, IN 46202.
Applicants seeking highly innovative molecular biology research opportunities should have a strong background in molecular biology or a related field, with at least a Bachelor's degree in molecular biology or related science. We offer competitive salaries and benefits as well as the opportunity to work in a dynamic, highly motivated and interactive scientific environment. For consideration, please submit your curriculum vitae and three reference letters to: Larry Gold, Recruitment Effort, NeXagen, Inc., 1085 14th Street, Suite 1203, Boulder, CO 80302.

**NeXagen**

**MOLECULAR BIOLOGY**

**QIAGEN INC.** is a fast growing Los Angeles area company, committed to excellence in the development and marketing of unique and innovative products for molecular biology. We are seeking highly motivated and talented individuals to join our expanding sales team.

**Eastern Regional Sales Manager**

Applicants should have a BS/MS degree in molecular biology or related fields and 2+ years of lab experience in molecular biology. 3-5 years sales experience is required (in molecular biology consumables preferred). Will be responsible for six sales reps in the Eastern region.

**Technical Sales Representatives**

Applicants should have a BS/MS degree in molecular biology. Prior sales experience is beneficial, but not required. Sales territories are available in the Northeast, Southwest, Midwest and Northwest.

We offer competitive salaries, benefits including relocation assistance and a challenging, high growth environment. For immediate consideration, please send a resume, salary history and reference names to: **QIAGEN, INC., Human Resources, 9259 Eton Avenue, Chatsworth, CA 91311 (Phone: 800-426-8157, Fax 818-718-2056).**

**QIAGEN**

**CARDIOVASCULAR PHARMACOLOGY**

**SmithKline Beecham**, a world leader in pharmaceutical research, has an immediate Postdoctoral Scientist opportunity available in its Cardiovascular Pharmacology Department. As a member of this research group, the selected candidate, in collaboration with pharmacologists, biochemists, and molecular biologists, will explore interactions between endothelium and vascular smooth muscle as they relate to muscle proliferation. The main research focus will be to establish new cardiovascular models in vivo and in vitro.

Requirements for this position include a Ph.D. in Pharmacology, Physiology, Cell Biology or Molecular Biology, and research experience with growth factors and cell culture is desired. In addition, the successful candidate must have a demonstrated record of contribution to scientific publications and good oral and written communication skills. Research experience with surgery and a foundation of molecular biology techniques is also desired.

Our state-of-the-art research facilities are located in suburban Philadelphia, near Valley Forge, Pa. We offer a competitive compensation/benefits/relocation package and a stimulating environment in which to grow and excel. For confidential consideration, please submit your C.V. and the names of three references to: Nancy Hasson, Employment Administrator, #H0173, SmithKline Beecham Pharmaceuticals, P.O. Box 1539, King of Prussia, PA 19406-0939. We are an Equal Opportunity Employer, M/F/H/V.

**SmithKline Beecham Pharmaceuticals**

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**The Division of AIDS National Institute of Allergy and Infectious Diseases National Institutes of Health**

**ASSOCIATE DIRECTOR Clinical Research Programs**

The Associate Director, Clinical Research Program will lead the Medical, Pediatric, Epidemiology, and Community Clinical Research Branches of the Division, and be responsible for setting the Division's agenda in treatment and epidemiology research. The ideal candidate will be a physician and have extensive experience in HIV medicine and clinical trials, a broad scientific perspective, proven leadership abilities, and be BC/BE or similarly credentialed in internal medicine, pediatrics or epidemiology/public health.

For more information send C.V. to and/or call:

**Dr. Jack Killen**

Deputy Director, Division of AIDS National Institute of Allergy and Infectious Diseases Control Data Building, Room 249P 6003 Executive Boulevard Bethesda, MD 20892 (301) 496-0545

U.S. Citizenship required

NIH is an Equal Opportunity Employer
Postdoctoral Scientists

Genentech Inc., a state-of-the-art leader in the biotechnology industry, has immediate opportunities for two Postdoctoral Scientists to conduct independent research on the integrin family of cell adhesion receptors.

You will be joining a multidisciplinary team whose goal is to discover specific integrin antagonists. Current studies are directed at characterizing novel integrins. Parallel studies are directed at elucidating the molecular and cellular basis of integrin/ligand interactions as well as understanding their biological functions.

Qualified candidates must have a PhD with experience in one of the following areas: Protein Engineering, Molecular and Cell Biology, or Biochemistry. Candidates with an interest in structural biology are particularly encouraged to apply.

Genentech offers an excellent salary and benefits package coupled with the opportunity to make a significant contribution to our organization. For immediate consideration, please send your resume to Yvonne Davino, Genentech, Inc., Dept. YSSB, 460 Point San Bruno Blvd., South San Francisco, CA 94080. We actively support and promote affirmative action and equal employment opportunity.

Genentech, Inc.
AIDS Research at the
Centers for Disease Control
Atlanta, Georgia

Research Microbiologists

The Laboratory Investigations Branch, Division of HIV/AIDS, is seeking scientists with proven ability to conceive and conduct independent research in molecular virology, immunovirology, and recombinant genetics. The Centers for Disease Control provides a unique opportunity to collaborate in strongly established epidemiology programs at an international level and maintains a large historical library of HIV variants from throughout the world on which to draw for research. Qualified researchers will participate in studies of viral as well as host regulatory elements involved in HIV genetic variation and altered immunopathogenicity.

Ph.D., M.D., or equivalent years of experience in Microbiology, Immunology, or Molecular Biology with specific training in tissue culture and the handling of viral pathogens preferred. Experience in the immunopathogenesis of retroviruses, in vitro expression systems, and/or protein chemistry is desirable. Salary will depend on experience.

For additional information regarding these positions, contact Dr. Mark A. Rayfield or Dr. Gerald Schochetman at (404) 639-1000. Interested applicants should send their applications and curriculum vitae to:

William Nelson
Personnel Management Specialist
Centers for Disease Control
1600 Clifton Road
Atlanta, Georgia 30333

CDC is an equal opportunity employer and provides a smoke free environment.

NATIONAL UNIVERSITY OF SINGAPORE

LEE KUAN YEW
POSTDOCTORAL FELLOWSHIP

A prestigious research fellowship known as the Lee Kuan Yew Postdoctoral Fellowship was recently established in the National University of Singapore (NUS). Applications for the Fellowship are invited from candidates with excellent academic records and research potential, and who had obtained their PhD degrees in the last few years.

The Fellowship will be tenable for 3 years in the first instance, with possible extension for 2 further years. It will be held concurrently with the candidate’s appointment as a research staff member in the Faculty of Medicine, Faculty of Science or the Institute of Molecular and Cell Biology.

Under the Fellowship, a tax-free stipend of US$1,500 per month will be provided. This will be in addition to the following terms of appointment normally provided to a research staff member:

- Gross annual emoluments range from S$50,390 to S$64,200. (The commencing salary will depend on the appointee’s qualifications and experience.)
  (US$1.00 = S$1.74 approximately)
- Leave and medical benefits will be provided. Depending on the type of contract offered, other benefits may include: provident fund benefits or an end-of-contract gratuity, a settling-in allowance of S$1,000 or S$2,000, subsidised housing at nominal rentals ranging from S$100 to S$216 p.m.,
  education allowance for up to three children subject to a maximum of S$10,000 per annum per child, passage assistance and baggage allowance for the transportation of personal effects to Singapore.
- The appointee may undertake consultation work of a specialist nature, subject to prior approval, and retain consultation fees up to the equivalent of 60% of annual gross salary in any one year.

All academic staff have access to the following computer and telecommunication resources: an individual microcomputer (an IBM-AT compatible or Apple Macintosh), an IBM mainframe computer with 16 MIPS of computing power; an NEC SX supercomputer with 665 MFLOPS of computing power; departmental laser printers; a wide spectrum of mainframe and microcomputer software; on-line library catalogue; voice-mail; the international computer networks—BITNET and INTERNET, linking academic institutions and research centres all over the world. The campus-wide network, which is based on the high speed optical fibre based FDDI technology, enables the academic community to access all the computing resources in the University from the convenience of the individual workstation.

Application forms and further information on terms and conditions of service may be obtained from:

The Director
Personnel Department
National University of Singapore
10 Kent Ridge Crescent
Singapore 0511

Enquiries may also be sent through BITNET to PERWPH@NUS3090, or through Telefax: (65) 7783948.
THE EMF-CANCER QUESTION

A SCIENCE Reprint Booklet

Due to the popularity of Science's recent three-part series by Robert Pool examining the debate over the possible biological effects of electromagnetic fields, we put the articles together in one convenient and comprehensive reprint booklet. The first article looks at the epidemiological evidence for a link between electromagnetic fields and cancer. The second article deals with cell and animal studies, and the third examines policy questions and the politics behind the research.

To order copies of this booklet, complete the coupon below and send your check, payable to AAAS. All orders must be prepaid.

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MAIL TO: Corrine Harris • AAAS/Reprints
1333 H Street, NW • Washington, DC 20005

POSTDOCTORAL POSITION

A postdoctoral position is available to study regulation of cardiac myocyte ion currents and contractions by neurotransmitters and intracellular messengers. Candidates with recent Ph.D. or M.D. should have broad preparation and expertise in cellular electrophysiology and signal transduction. Send curriculum vitae and three letters of reference by 31 August 1991 to: Dr. Achilles Pappano, University of Connecticut Health Center, Pharmacology L6004, Farmington, CT 06032. An Affirmative Action/Equal Opportunity Employer, M/W/H.

POSTDOCTORAL POSITION IN HUMAN GENETICS

THE ROCKEFELLER UNIVERSITY

Position available immediately for a Ph.D. or in molecular biology to participate in ongoing work using linkage analysis and positional cloning approaches to identify the genetic defect in Fanconi anemia, an autosomal recessive disease with predisposition to birth defects and malignancy. Send curriculum vitae and three references to: Dr. Arleen D. Auerbach, The Rockefeller University, 1230 York Avenue, New York, NY 10021.

An Equal Opportunity/Affirmative Action Employer.

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE

POSTDOCTORAL POSITION. Available in cell and molecular biology of receptor trafficking and its regulation by post-translational modification. Experience in immunological methods, transfection/expression in mammalian cells including site-directed mutagenesis is desirable. Send curriculum vitae and two references to: Dr. Robert Fallon, Departments of Cell Biology and Pediatrics, Washington University School of Medicine, Box 8116, St. Louis, MO 63110.

POSTDOCTORAL POSITION

Available for investigations of cellular/molecular mechanisms of neurodegenerative diseases. Our laboratory uses a variety of approaches to study several human neurodegenerative diseases, including Alzheimer's disease and motor neuron disease, and related animal models. This position is part of a research program dealing with several research areas, including the neuronal cytoskeleton, transmitter systems, the amyloid precursor protein, and trophic factors.

Send curriculum vitae and two letters of recommendation to: Donald L. Price, M.D., Neuropathology Laboratory, The Johns Hopkins University School of Medicine, 600 N. Wolfe Street, Baltimore, MD 21205-2181. Affirmative Action/Equal Opportunity Employer. We encourage applications from minorities. Because of funding requirements, applicants limited to U.S. citizens or permanent residents.

CENTRE FOR POPULATION BIOLOGY THREE POSTDOCTORAL RESEARCHERS

INSECT ECOLOGIST

MATEMATICAL POPULATION BIOLOGIST

EXPERIMENTAL POPULATION BIOLOGIST

Required at Imperial College's NERC-sponsored Interdisciplinary Research Centre, based at Silwood Park, Ascot.

An INSECT ECOLOGIST with interests in theoretical and experimental metapopulation dynamics, and population genetics, to work principally on the insect fauna of rameg (in collaboration with the Genetics Group at University College London).

A MATHEMATICAL POPULATION BIOLOGIST to study the implications of mass mortality for the dynamics and genetics of metapopulations (in collaboration with the NERC Sea Mammal Research Unit, Cambridge).

An EXPERIMENTAL POPULATION BIOLOGIST with an interest in developing and testing population models in simple laboratory systems. Candidates interested in linking models with field populations also considered.

All posts are to March 1994 in the first instance. Salary range: £11,399 to £14,165 (under review).


SCIENCE, VOL. 253
POSITIONS OPEN

POSTDOCTORAL POSITION. Available in neuroendocrinology. Applications are invited from persons with a Ph.D. and/or M.D. for research with a neuroendocrine group investigating the roles played by neuropeptides in central disorders and in small-cell carcinoma. Position restricted to U.S. citizen or resident. Send curriculum vitae and three letters of reference to: Dr. William G. North, Department of Physiology, Dartmouth Medical School, Hanover, NH 03755. Dartmouth College is an Equal Opportunity Employer.

POSTDOCTORAL POSITION. Research involves insect behavioral response to toxins and its genetic correlation with physiological susceptibility. Expertise in quantitative genetics is required; expertise in mathematical modeling and behavioral studies is desirable. Applications for a 2-year position will be accepted immediately and until the position is filled. Submit curriculum vitae and names and addresses of three references to: Dr. Casey W. Hoy, Department of Entomology, Ohio Agricultural Research and Development Center, Wooster, OH 44691.

CORNELL UNIVERSITY
COLLEGE OF VETERINARY MEDICINE
DEPARTMENT OF PATHOLOGY

A POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY is available immediately to participate in a study of the interaction between protooncogenes and differentiation-specific genes. Candidates will have a Ph.D. in molecular biology and experience in DNA sequencing techniques. To apply, please send curriculum vitae and three letters of recommendation to: Dr. Roy Levine, Department of Pathology, College of Veterinary Medicine, Cornell University, Ithaca, NY 14853-6401. Cornell University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

Two postdoctoral positions available immediately to study mechanisms of retinoid receptor-mediated regulation of epithelial growth and differentiation or autocrine factors involved in epithelial transformation. These projects will employ techniques of normal and transformed human keratinocyte cell culture, hybridization analysis of RNA expression, protein purification, DNA cloning, and gene transfer using defective retroviruses. Applicants should have a Ph.D. emphasizing molecular or genetic approaches to the study of problems in cell or developmental biology and employment eligibility verification. Send curriculum vitae, summary of research experience, thesis abstract, reprints, and the names of three references to: Dr. James G. Rheinwald, Department of Research and Development, BioSurface Technology, Inc., 64 Sidney Street, Cambridge, MA 02139. An Equal Opportunity Employer.

POSTDOCTORAL FELLOW

A postdoctoral fellowship is available in the Radiation Effects Branch of the Naval Research Laboratory. The position is in a new basic research program to study ionizing radiation interactions in macromolecules, including DNA. Applications are invited from candidates with a Ph.D. in biology, biochemistry, biophysics, or radiation biology. The successful candidate will be familiar with gel electrophoresis, other separation techniques, and preparation of DNA samples. The appointment, administered through the National Research Council, is for 2 years with an option for a third year. The stipend is a minimum of $16,000 per year. Position is available immediately. For further information, contact: Dr. Michael A. Xapson, Code 4615, Naval Research Laboratory, Washington, DC 20375-5000. Telephone: 202-767-3938. An Equal Opportunity/Affirmative Action Employer.


Senior Scientists
Cellular and Molecular Biology

The Ontario Cancer Institute/Princess Margaret Hospital is one of North America's largest cancer research and treatment centres, and houses the Department of Medical Biophysics of the University of Toronto. The institute invites applications for senior scientist positions in its Division of Cellular and Molecular Biology. Current programs in this group include: cellular and molecular aspects of haemopoiesis, immunology, differentiation, oncogenesis, leukemia/lymphoma and gene regulation.

New members should be eligible for academic appointments in the Department of Medical Biophysics of the University of Toronto, a graduate department that emphasizes strong multidisciplinary research. Preference will be given to individuals with research interests in fields such as: molecular biology, oncogenes, regulation of cell cycle, developmental biology and signal transduction.

In accordance with Canadian Immigration requirements, first consideration will be given to Canadian citizens and permanent residents. In accordance with the Employment Equity Policy of the University of Toronto and the Ontario Cancer Institute/Princess Margaret Hospital, applications are invited from all qualified women and men.

Interested persons should send their curriculum vitae, statement of research interests, and names of three references, to: Tak W. Mak, Ontario Cancer Institute/Princess Margaret Hospital, 500 Sherbourne Street, Toronto, Ontario M4X 1K9.

THE
Princess Margaret
HOSPITAL

5 JULY 1991
RESEARCH ASSOCIATE
MOLECULAR AND
CELLULAR BIOLOGY

Amgen is a leader in the applications of molecular and cellular biology to the development of human therapeutics. Our successes in the development of Epogen® (recombinant human erythropoietin) and Neupogen® (recombinant human granulocyte colony stimulating factor) have placed us firmly at the forefront of the biotechnology industry. As a result of these successes and our continuing commitment to research, we are actively seeking a Research Associate for our Inflammatory Cell Research Program.

The objectives of this program are to isolate and characterize protein factors and corresponding genes involved in migration and activation of phagocytes. Minimum qualifications include a BS or MS in an appropriate field with two years of laboratory experience in molecular and cellular biology. Experience in basic recombinant DNA methodologies and/or cell culture techniques is highly desirable.

Amgen offers a stimulating and challenging environment on the leading edge of biotechnology as well as an attractive location among the Santa Monica coastal mountains. Our compensation and relocation packages reflect Amgen's commitment to attract and retain the best scientific talent possible. If you have the necessary skills and would like to be a part of a company that places its highest priority on its human resources, please send a resume or CV, in confidence, to:

AMGEN, INC.
Recruitment, Dept. #595
Amgen Center
Thousand Oaks
CA 91320-1789
ASSOCIATE DIRECTOR CURATORIAL

The Royal Ontario Museum is seeking applications for the position of Associate Director, Curatorial (ADC), which became vacant on the appointment of the former ADC as Director of the Museum. The ADC is responsible for the management, administration and financial control of the curatorial and research activities and related services at the Museum. Reporting to the ADC are nineteen curatorial departments responsible for Earth Sciences, Life Sciences and various Art and Archaeology subject areas, as well as the Library and Archives and a Collections Management department (covering Registration, Conservation and Photography). The ADC is responsible for approximately 180 staff and a total budget of over $9 million.

The primary responsibility of the position is to provide leadership for curatorial excellence within the Museum which will ensure the preservation, conservation and integrity of presentation to the public of the Museum’s collections; the quality of collections related research; and structured curatorial input into the programme of gallery development, temporary exhibitions, and other public programmes.

The successful candidate will hold a Ph.D. degree or the equivalent and will have demonstrated high scholarly achievement in one of the academic subject areas covered by the Museum. He or she will also have demonstrated superior managerial, communication and problem-solving skills obtained through progressively more responsible positions.

The ADC reports to the Director and normally is Acting Director in the absence of the Director. The position requires considerable independent judgment and action within the ADC’s area of responsibility, as well as close liaison and participation with other senior staff and department heads in order to ensure the success of the Museum’s many objectives. The ADC has frequent contact with Museum trustees, members and volunteers, as well as various government agencies.

The position is a term appointment for five years made by the Board of Trustees on the recommendation of the Director, and renewable by mutual consent. A qualified candidate could be granted a curatorial position in the Museum at the end of the term of office as ADC.

The salary for this position will be comparable to similar levels of responsibility in Ontario Universities and other public institutions and the appointment will be effective as early a date as can be mutually agreed.

Applications should be sent to Dr. John McNeill, Director, Royal Ontario Museum, 100 Queen’s Park, Toronto, Ontario, Canada, M5S 2C6, no later than August 31, 1991.

In accordance with Canadian Immigration regulations, this advertisement is directed primarily to Canadian citizens and permanent residents of Canada; others who are interested in the position are invited to write indicating their interest.

We want people who see no status in the status quo.

Imagination can get you everywhere at Anheuser-Busch. We could not have grown to become America’s #1 brewer, and one of the Fortune 50, without a keen eye for innovation—not only in our products, but also in social and environmental concerns.

Food Microbiologist

Responsibilities for this position include initiating and executing programs to assist in the quality assurance development of aseptic beverages and new food products. These programs will encompass spoilage organism identification, HACCP program development and the evaluation of the latest rapid methods.

The ideal candidate must have at least a Master’s degree in microbiology or food microbiology with a minimum of three years of relevant industrial experience.

You believe that to keep reaching is the only way to keep successful. So why not enjoy all the rewards and advantages that such leadership can bring? Look into Anheuser-Busch. And find your place at the top. Send your resume today to: ANHEUSER-BUSCH COMPANIES; Corporate Employment; Dept. A61-KB-134; One Busch Place; St. Louis, MO 63118.

We are an Equal Opportunity Employer.

ANHEUSER-BUSCH COMPANIES

We’re behind some of the best ideas in the business.
POSTDOCTORAL FELLOW. In Frederick, Maryland. Forty hours per week, 8:30 a.m. to 5:00 p.m.; salary: $30,472 per year. To conduct research in molecular biology and biotechnology; and to develop the large scale production of recombinant proteins for structural studies. This entails the construction of various expression vectors, identification of relevant proteins, development and expression of recombinant protein, and corresponding vectors, research on the physical-chemical properties of carcinogen-modified DNA. Knowledge and skill in organic chemistry, biology of ETS proteins, gas chromatography, paper chromatography, gel filtration chromatography, high pressure liquid chromatography, ultra violet spectroscopy, nuclear magnetic resonance, and mass spectral. Ph.D. or equivalent training in molecular biology and one year of laboratory experience in the purification of recombinant proteins are required. Salary: $27,900. Ph.D. 2 years experience. Send application to: D.E.E.D., 1100 North Eutaw Street, Room 212, Baltimore, MD 21201. I.O. #9484004.

COMPUTATIONAL CHEMISTRY/QSAR POSTDOCTORAL ASSOCIATE POSITION

The University of Minnesota seeks a postdoctoral associate to develop quantitative structure-activity relationships (QSAR) of drugs, industrial chemicals, and toxicants. Minimum qualifications: A Ph.D. degree in medicinal chemistry or chemical/biological sciences with substantial coursework in computer science. Ph.D. degree must be completed by start date of appointment. Desired qualifications: (i) familiarity with modern techniques of QSAR evident from peer-reviewed publications, (ii) two or more years of experience in university or industrial setting working in computational chemistry or QSAR, (iii) evidence of obtaining extramural support. The latest state-of-the-art hardware and software are available. Salary is negotiable. To apply, send an application letter, current resume, and the names, addresses, and telephone number of three references. Applications must be postmarked by 1 August 1991. Send applications to: QNAR Search Committee, Natural Resources Research Institute, University of Minnesota, 5013 Miller Trunk Highway, Duluth, MN 55811.

The University of Minnesota is committed to the policy that all persons employed by the University shall be employed, trained, and employed without regard to race, religion, color, sex, national origin, handicap, age, veteran status, or sexual orientation.

POSTDOCTORAL RESEARCH ASSOCIATE. In Soil Ecology and Nutrient Cycling. To work on large scale microcosms of semi-arid grassland ecosystems and biological process in high and low chemical input agricultural systems, in relation to groundwater contamination with nitrates. Research will involve biological N-transformations, uptake, and export. Duties are field sampling, laboratory analyses, and data analysis. Qualifications: Ph.D. in relevant subject. Experience in nutrient cycling and analyses with knowledge of soil ecology. Yearly appointment from 30 July 1991 with potential renewal. Salary competitive. Send letter, transcripts, and names of three references to: Dr. J. M. Blumstein, Department of Biology, University of California, Santa Cruz, CA 95064.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL RESEARCH SERVICE (ARS)

POSTDOCTORAL RESEARCH ASSOCIATE, NUTRITION AND IMMUNE STATUS. Two-year appointment. The Robert L. Moody Cancer Research Center (WHNRCl, San Francisco, California, seeks candidate with recent Ph.D. in immunology/nutrition/biochemistry/related fields to study regulation of immune status by dietary fats and other nutrients in humans. Experience in immunological assays, tissue culture, and microbiology. Interested? Call 415-556-4581 or send resume to: Dr. D. S. Kelley, WHNRCl, Box 29999, Presidio of San Francisco, CA 94129. ARS is an Equal Opportunity Employer.

RESEARCH SCIENTIST. Forty hours per week; salary: $45,000 per year. Conduct research into biodegradation of industrial hydrocarbons. Requires a Ph.D. in industrial microbiology. Send letter of interest and curriculum vitae to: Dr. R. W. S. Green, McGill University, Montreal, PQ, Canada H3A 2B5.

RESEARCH SCIENTIST. Forty hours per week; salary: $45,000 per year. Conduct research into biodegradation of industrial hydrocarbons. Requires a Ph.D. in industrial microbiology. Send letter of interest and curriculum vitae to: Dr. R. W. S. Green, McGill University, Montreal, PQ, Canada H3A 2B5.

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## Genome Sequencing Conference III

**September 22-25, 1991**  
Hyatt Regency, Hilton Head, South Carolina  
**Abstract Deadline: August 2, 1991**

The third annual Genome Sequencing Conference is an international conference devoted to discussion of the most current analyses and approaches to understanding the human genome. Innovative research by U.S., European and Japanese groups will be presented and discussed. Presentations will detail discoveries from the human genome and model organisms including mouse, *Drosophila*, *C. elegans*, yeast, plants, *E. coli*, *M. capricolum* and a number of viruses. State-of-the-art technologies and new computational approaches will also be covered. Poster sessions, workshops and discussion groups will provide a forum for researchers to present their latest data. Early registration is encouraged.

**Co-chairs:** J. Craig Venter (NIH) and Leroy Hood (CalTech)


**For further information contact:**  
Susan Wallace, Genome Sequencing Conference III,  
P.O. Box 541, Rockville, Maryland 20846, (301) 480-0634  
(301) 480-8588 FAX, E-mail: swallace@loglady.ninds.nih.gov

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### Keystone Symposia

**1992 Meetings**

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<td>January 13-19, 1992</td>
<td>Tamarron, Colorado</td>
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<td>Transcription Regulation in Development, Differentiation and Disease</td>
<td>January 13-20, 1992</td>
<td>Tamarron, Colorado</td>
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<td>Molecular and Cellular Biology of Host-Parasite Interactions</td>
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<td>Molecular Mechanisms in DNA Replication &amp; Recombination</td>
<td>January 25 - February 1, 1992</td>
<td>Taos, New Mexico</td>
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<td>Negative Growth Control</td>
<td>January 26 - February 2, 1992</td>
<td>Taos, New Mexico</td>
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<td>Nutrition &amp; Central Nervous System Function</td>
<td>February 24, 1992</td>
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**Cytokines in Growth, Development and Pathogenesis**  
February 1-8, 1992; Taos, New Mexico

**Melanoma and Biology of the Neural Crest**  
February 1-8, 1992; Taos, New Mexico

**Steroid/Thyroid Receptor Gene Super Family**  
February 21-27, 1992; Tamarron, Colorado

**Hematopoiesis**  
February 27 - March 5, 1992; Tamarron, Colorado

**Cell Biology of Virus Entry, Replication and Pathogenesis**  
February 28 - March 5, 1992; Taos, New Mexico

**Recognition of Endotoxin in Biologic Systems**  
March 1-7, 1992; Lake Tahoe, California

**Antigen Presentation Functions of the MHC**  
March 5-11, 1992; Taos, New Mexico

**Breast and Prostate Cancer**  
March 7-13, 1992; Lake Tahoe, California

**Strategies in Chemoprevention of Hormone-Dependent Cancers**  
March 10-13, 1992; Lake Tahoe, California

**Metal Ion/Molecular Biology Interface**  
March 13-19, 1992; Lake Tahoe, California

**Glycobiology**  
March 21-27, 1992; Park City, Utah

**Prevention and Treatment of AIDS**  
March 27 - April 3, 1992; Keystone, Colorado

**Critical Research Directions in Pediatric HIV Infection**  
March 27-31, 1992; Frisco, Colorado

**Fundamental Mechanisms of Transcription**  
March 28 - April 3, 1992; Copper Mountain, Colorado

**Advances in Understanding Neurodegenerative Disorders**  
March 28 - April 4, 1992; Big Sky, Montana

**Synapse Formation and Function: The Neuronomuscular Junction and the Central Nervous System**  
March 28 - April 4, 1992; Big Sky, Montana

**Molecular Biology of Human Genetic Disease**  
April 3-10, 1992; Copper Mountain, Colorado

**Gene Transfer, Replacement and Augmentation**  
April 3-9, 1992; Copper Mountain, Colorado

**Growth and Differentiation Factors in Vertebrate Development**  
April 3-10, 1992; Keystone, Colorado

**Tissue Engineering**  
April 3-10, 1992; Keystone, Colorado

**Integrins: Cell Adhesion and Transmembrane Communication in Development and Disease**  
April 3-10, 1992; Keystone, Colorado

**Crop Improvement via Biotechnology: An International Perspective**  
April 10-16, 1992; Keystone, Colorado

**Registration**  
Registration in any meeting in a shaded group qualifies for attendance in any meeting in that group.

**For more information please contact:**  
Keystone Symposia  
Drawer 1630, Dept. S  
Silverthorne, CO. 80498  
Phone: (303) 262-1230 • Fax: (303) 262-1525
POSITIONS OPEN

STAFF SCIENTIST
Perform the following functions in relation to freeze-dried red cells: Develop biochemical and biological techniques to evaluate the membrane viscoelasticity and geometry of red cells; develop rheological techniques including laser diffactometry, filmtrometry, viscometry, and cell transit analyzer. Test the aggregation behavior with the use of light transmission method. Test the effects of drugs on red cells. Monitor the efficiency of the hopholization process to preserve the integrity and physiological function. Statistical analysis of data and preparation for publication in scientific journals. Requirements: Ph.D. in pharmacology (rheology). Special knowledge in and/or ability to use: Theory and experimental techniques in blood rheology, characterization of rheological properties, methods of assessing oxidative stress in red cells, rheological techniques including laser diffactometry, filmtrometry, viscometry, cell transit analyzer, and light transmission methods. Salary $55,000 per year. Job Interview site: Pasadena, California. Send this ad and resume to: Job #TCP11211; P.O. Box 9570, Sacramento, CA 95823-0670 no later than 10 July 1991.

SENIOR RESEARCH ASSOCIATE
SECTION DIRECTOR/PERMANENT POSITION
ACADEMIC APPOINTMENT POSSIBLE
Experienced biochemist with glycoconjugate interest in cell biology at UHS/The Chicago Medical School, Heather M. Bligh Cancer Biology Research Laboratory. Bench scientist with excellent individual with meritorious working habits for in-depth investigations of role of human carcinoma cell membrane glycocconjugates in primary tumor establishment. Technical help available. Especially outstanding technical background in view of the importance of the academic task, not grant-dependent. Send curriculum vitae, details of bench-work expertise, and bibliography to: Box 538, Lake Bluff, IL 60044. Equal Opportunity Employer, M/F.

RESEARCH ASSISTANT: Full time, to develop and manage monoclonal antibody production facility. Experience in animal tissue culture, production of hybridoma cell lines, and cloning techniques mandatory. Ability to develop ELISA assays required. Management skills are critical. Interest in developing collaborative interactions with other scientists. Send letter of interest, curriculum vitae, transcript of all academic records, and three letters of reference to: Dr. Russel Meints, Center for Gene Research and Biotechnology, 3096 Cordell Hall, Oregon State University (OSU), Corvallis, OR 97331-2906. Application deadline is 31 July 1991. OSU is an Affirmative Action/Equal Opportunity Employer and an Access with Section 504 of the Rehabilitation Act of 1973. OSU has a policy of being responsive to the needs of dual-career couples.

SENIOR RESEARCH ASSOCIATE. For firm in northeastern Ohio. To perform research on numerical simulations, mesh generation, and parallel processing, with the aim of developing key materials for the semiconductor industry and developing high-temperature materials and coatings for aerospace engineering. To apply finite element methods and computational fluid dynamics to problems in fluid dynamics, transport phenomena in crystal growth, and polymer processing. Involves extensive use of Cray 2, Cray X-MP, and Cray Y-MP supercomputers. Must have Ph.D. in engineering mechanics or materials science and academic program must have included one graduate course each in the areas of advanced finite element analysis, molecular theory of polymer materials, introduction to polymer rheology, applied numerical methods, and advanced mechanics of continuous media. 6 months of experience as research assistant or materials scientist and research experience must have been in computational fluid dynamics. Must be conversant with advanced finite element methods and boundary element methods as well as with the special software package FIDAP (Fluid Dynamics Analysis Package) and be able to work with a scientific computing environment on Cray supercomputers including the Cray 2, X-MP, and Y-MP with a good knowledge of the vectorization and parallel processing techniques, as evidenced by adequate letter(s) of reference, employer testimonial(s), and/or publication(s). Forty hours per week, 8:30 a.m. to 5:30 p.m., Monday to Friday; $27,000 per year. Must have legal authority to work permanently in the United States. Send resume and course transcript in duplicate (no calls) to: J. Davies, JO# 1285727, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.

SENIOR WETLAND ECOLOGIST. Salaried position with existing wetland regulatory team in the Houston office of a national consulting firm. Advanced degree in environmental science required. Major duties include wetland delineations, environmental assessments, mitigation design, and implementation. Position offers growth in other areas of environmental consulting, project management, and client development. Submit résumé to: James O. Jones, Espey, Huston and Associates, Inc., P.O. Box 519, Austin, TX 78767.

RESEARCH ASSOCIATE. For University in north-eastern Ohio. To conduct laboratory scanning and magnetic field deformation experiments on monomer and polymer liquid crystal materials to understand the liquid crystal phases and phase transitions, investigate surface topography of vacuum deposited thin films to determine the aligning mechanism of liquid crystal molecules using atomic force and scanning tunneling microscopes, write manuscripts for publication in scientific journals, and present the work at scientific meetings. Must have a Ph.D. in physics. Ph.D. dissertation must be in the area of liquid crystal physics with special emphasis on liquid crystal phases and phase transitions. No experience required. Forty hours per week, 8 A.M. to 5 P.M.; $24,000 per year. Must have legal authority to work permanently in the United States. Send resume in duplicate (no calls) to: G. Masganga, JO# 1295334, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.

ASSOCIATE RESEARCH BIOLOGIST
The Department of Biological Sciences, The University of Alabama, seeks one for a tenure-track, 3-year, research position with possibility of renewal for three additional years. Responsibilities include developing and managing databases and networking activities for biographiconomic long-range planning for and acquisition of hardware and software, and network connectivity for biological specimen data resources. Strong preference for Ph.D. in computer science, systematicatics, and/or experience in computational biology and experience with access to computer-based genomic and for demonstrated success in securing extramural funding. Experience with dBASE is essential and familiarity with UNIX and TCP/IP-based network communications is desirable. Send letter of interest, résumé, and three letters of reference to: Dr. Robert R. Haynes, Department of Biological Sciences, The University of Alabama, Box 873044, Tuscaloosa, AL 35487-0344. The University of Alabama is an Equal Opportunity/Affirmative Action Employer.

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HYPERTENSION SUMMER SCHOOL
15 to 20 September 1991, Heineim Castle, Germany. Co-sponsored by The International Union of Pharmacology (IUPHAR); The World Hypertension League (WHL); The TRANSGENE Program of the European Community; The College de France/NBES/R; Paris; The German Institute for High Blood Pressure Research, Heidelberg. This is a 1-week residential course in English for recent M.D. and Ph.D. graduates beginning a career in clinical and experimental high blood pressure research. Topics will include: molecular biology of cardiovascular disease; vascular endothelium; and general aspects of hypertension research. Maximum class size will be 20 students.

Faculty: F. Alhenc-Gelas, Paris; P. Corvol, Paris; D. Ganten, Heidelberg; M. Lathrop, Paris; J. Ménard, Paris; J. Mullins, Edinburgh; M. Paul, Heidelberg; J. Pessayre, Paris; J. P. Wielandtstrage, D-6900 Heidelberg, D.-6900 Heidelberg, Germany. Telephone: +49-6221-45099. Fax: +49-6221-45097. Additional fee, including materials and accommodation, is 250.00 German marks. No educational number of educational grants are available and students in need are encouraged to apply informally. The summer school is supported by an educational grant from the Parke-Davis Conference Series.

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