seal was designed to eliminate the problems associated with aluminum crimp caps, including inconsistent sealing due to improper crimping technique, breaking the vial during crimping or de-capping, and exposure to sharp metal edges caused by tearing the metal cap during de-capping. J.G. Finneran Associates. Circle 143.

Multicolor FISH Software
MultiFluor Automated Analysis with the optional SlideScan Scanning Module is a sophisticated system for rapidly screening microscope-based fluorescence in situ hybridization (FISH) and immunofluorescence samples. The software is designed for interphase DNA spot counting, fluorescence intensity screenings, and general cell morphometry measurements. It is used together with an IBM-compatible computer, fluorescence microscope, off-the-shelf microscope automation equipment, and electronic camera to make fluorescence sample analysis easy, accurate, and reproducible. Features include automatic sample focus, multiple wavelength and multiple focal plane image acquisition, object relocation, multiple workstation networking, and data management. Biological Detection Inc. Circle 144.

Temperature Cyclers
The high-throughput, multi-format DeltaCycler I and II temperature cyclers are now available with two user-selectable programming modes: basic mode and link mode. The easy-to-learn, straightforward basic mode features internal loop control and user-friendly program naming and accessing. The link mode, although not as intuitive, provides a powerful feature that allows a user-generated library of amplification profiles to be shared by any program. Both modes offer automatic ramping control and time/temperature extensions. Ericomp. Circle 145.

Literature
Get More out of your Balances and Instruments describes accessories and peripherals for balances and analytical instruments. It features 19 different categories of optional equipment, ranging from application solutions to weighing aids. Mettler Toledo. Circle 146.


Laboratory Glassware, Plastics, and Teflon catalogs a complete line of volumetric glassware including nonstandard size flasks and pipettes. Sun Brokers. Circle 148.

Meters and Measurement is a product guide that includes brand name balances, pH meters and electrodes, and thermometers, as well as instruments for measuring air velocity, conductivity, flow, and vacuum. Also included are multimeters, melting point apparatus, and timers. Sigma-Aldrich Techware. Circle 149.

WaterPro Water Purification Systems is a 44-page catalog with information on softeners, reverse osmosis stations, polishing stations, mobile systems, tanks and reservoirs, and more. Labconco. Circle 150.

Unprecedented simplicity and versatility in osmometry
That's what makes the new menu-driven Wescor Vapro® Vapor Pressure Osmometer the ideal instrument for researchers who have to measure osmolality precisely.

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The versatile Vapro osmometer is widely used in marine biology, tissue culture, soil and plant water potential measurements, and lab animal studies. You'll also find it performing Q.C. work in the food, pharmaceutical, beverage, and ophthalmology industries.

Contact us for more details or to arrange a demonstration. Wescor, Inc., 459 South Main Street, Logan UT. 84321. Phone 1-800-453-2725. FAX 801-752-4127.
POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR
PHARMACOLOGY AND TOXICOLOGY

The Department of Pharmacology and Toxicology at the University of Oklahoma Health Science Center (UNH), College of Medicine invites nominations and applications for a tenure-track twelve-month appointment at the ASSISTANT or ASSOCIATE PROFESSOR level. The appointment is subject to availability of the position, which is to begin July 1, 1996. Applicants should have a Ph.D. in pharmacology and/or toxicology or related discipline and/or an M.D. with significant research experience. The applicant selected will participate in team-taught pharmacology and toxicology teaching at the undergraduate, graduate, and professional student level and will be expected to initiate and maintain an independently funded research program. We seek excellence in teaching and research independent of subspecialty. Applicants should send the following: curriculum vitae; statement of research interests; and development plan, and should arrange for three letters of reference to: Arthur R. Buckley, Chairman of the Search Committee, Department of Pharmacology and Toxicology, University of North Dakota School of Medicine, 501 North Columbia Road, Grand Forks, ND 58202-9047 (or) 701 SW Samuell Blvd., Oklahoma City, OK 73104. For screening, until the position is filled, but should be received by May 1, 1996 for full consideration. UNH is an Equal Opportunity/Affirmative Action Employer.

The Diabetes and Research Training Center (DRTC) at Vanderbilt University invites nominations and applications for a full-time, academic position at the ASSISTANT PROFESSOR (tenure-track) level or higher. We are seeking candidates who use unique, innovative, cellular, molecular, and/or transgenic approaches to study contemporary problems in the pathogenesis, etiology, or complications of diabetes or obesity. Applicants must have a Ph.D. and/or M.D. degree, postdoctoral training, and the potential to develop a competitive independent research program. The successful applicant will be assigned newly constructed laboratory space and held an appropriate academic appointment in a basic science and/or clinical department. The position is highly competitive with regard to salary, funds, and benefits. Applicants should submit 1) curriculum vitae, 2) three reference letters, and 3) a concise statement of research interests and plans. Applications are invited to: DRTC Search Committee, c/o Maylene Long, 702 Light Hall, Vanderbilt University School of Medicine, Nashville, TN 37232-0615. Vanderbilt University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

Biologist, ASSISTANT PROFESSOR, tenure-track. The University of Texas of the Permian Basin (UTPB), beginning Fall Semester 1996. Applicant should be able to teach cell biology, developmental biology/embryology, apoptosis, population, and general biology course, in area of expertise. A commitment to good teaching is necessary. Research is also encouraged and expected. UTPB enrolls 10,000 students, providing an atmosphere that encourages interaction between faculty and students. Submit résumé and the names, addresses, and telephone numbers of three references to: Ronald Spence, Coordinator for Biology, UTPB, 4901 East University, Odessa, TX 79762. Telephone: 915-552-2272; FAX: 915-552-2374; Email: biostate@utpb.edu. Screening of applicants will commence March 31, 1996. UTPB is an Equal Opportunity/Affirmative Action Employer.

OREGON HEALTH SCIENCES UNIVERSITY
Center for Research on Occupational and Environmental Toxicology (CROET)

Growing multidisciplinary research institute focused on the brain and behavior invites applications for FACULTY POSITIONS in molecular toxicology or pharmacology. Interactive, team-oriented, independent scientists focused on chemical, toxicological, and physiological questions in neurodevelopment, degeneration and aging are sought. Start-up funds, competitive salaries, and generous benefits package. Applications accepted until positions are filled. Review begins immediately. Send curriculum vitae, letter, resume, unofficial transcripts, names and telephone numbers of three references to: Dr. P. S. Spencer, Director, OHSU, CROET, 3181 SW Sam, Portland, OR 97201-3098. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION
PSYCHIATRY AND PHARMACOLOGY

Applications are invited for an ASSOCIATE OR FULL PROFESSOR position on the tenure-track in the Department of Psychiatry and Pharmacology. The position requires a Ph.D. degree and candidates should document experience working with modern research methodologies. We expect to recruit a neuroimmunologist who will bring an integrative approach to questions about interactions between the immune system, the nervous systems, including problems at the molecular level.

A clear record of capability for generating extramural research support and for working as an independent investigator is required. Outstanding laboratory facilities and ample start-up funds are available. Salary is competitive. Rank and salary will be commensurate with experience and productivity.

Please send curriculum vitae, a brief summary of present and future research interests, three representative reprints, and the names and addresses of three references to: Dr. John Blesch, Ph.D., Associate Dean of Basic Sciences, College of Osteopathic Medicine of the Pacific, 309 East 2nd Street, Pomona, CA 91766-1889. The College is an Equal Opportunity/Affirmative Action Employer and actively seeks applications from women and minorities.

ANATOMY POSITION OPEN

One tenure-track 12-month appointment, FACULTY position. Salary and rank are negotiable. The initial contract is for two years and can begin July 1, 1996. Applicants must have a Ph.D. in anatomy and a strong commitment to teaching. The major teaching would be in gross anatomy. Applicants should send a curriculum vitae and three letters of recommendation to: Jimmie L. Hicks, Ph.D., Associate Dean of Basic Sciences, College of Osteopathic Medicine of the Pacific, 309 East 2nd Street, Pomona, CA 91766-1889.

VISITING ASSISTANT PROFESSOR: One-year appointment. Salary and rank are negotiable. May apply for tenure-track position expected for August 1997. Teach human physiology, animal physiology, human anatomy, and general biology lecture and laboratory courses. Teaching begins immediately. Send curriculum vitae, a letter, resume, unofficial transcripts, names and telephone numbers of three references to: Chair, Natural Sciences, Landier University, Greenwood, SC 29649. Women and minorities are especially encouraged to apply. Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

LANDSCAPE ECOLOGIST/PLANT COMMUNITY ECOLOGIST. Tenure-track Assistant Professor in Department of Geography/Assistant Heritier Biologist, University of Oklahoma starting July 1996, with 12-month salary of $42,000. Responsible, as active member of Oklahoma Natural Heritage Inventory (a division of Survey), for inventing plant and animal communities, and for coordinating with other faculty/professional staff in carrying out functions of Heritage Inventory. Teach courses such as identification, general biology, ecology, and be active in undergraduate and graduate programs. Both Survey and Department expect person to develop active research program in area of specialty. The person should demonstrate research productivity and potential for external funding; knowledge of vegetation classification systems and approaches; ability to conduct botanical field and associated laboratory studies in landscape and plant community ecology; ability to incorporate geographic information system techniques and experience in teaching and research in ecology, and study of ecosystem and biological communities of southern Great Plains; and skills in teaching and written and oral communications. Screening from 1 April 1996 until position filled. Experience in teaching and research in ecology, systematics, and ecology in the two geographic areas mentioned above is preferred. Send curriculum vitae, bibliography, applications accepted until position filled. Send curriculum vitae, bibliography, and references to: Gary D. Schnell, Director, Oklahoma Biological Survey, 1115 East Chesapeake, University of Oklahoma, Norman, OK 73019. Telephone: 405-325-4034; FAX: 405-325-7702. Email: gschnell@ouukonor.
edu. Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply. Review of applications will continue until position is filled.
POSTDOCTORAL RESEARCH FELLOWSHIPS IN ANGIogenEsis

The Parke-Davis Pharmaceutical Research Division of Warner Lambert has initiated a postdoctoral research fellowship to conduct research to elucidate mechanisms of angiogenesis and vascular tumor formation in mouse in vivo and in vitro systems. The position will involve developing new in vitro coculture techniques and characterizing angiogenic/angiostatic molecules using Northern/Western blot techniques, immunocytochemistry, and cell proliferation assays.

Candidate should have a Ph.D. in toxicology or a related field and have expertise in cell culture and molecular biology techniques.

Qualified candidates should send curriculum vitae and references to: Box LIB3027, PARKE-DAVIS Pharmaceutical Research, Warner Lambert Co., 2800 Plymouth Rd., Ann Arbor, MI 48105, or via e-mail to: resume@ao.wl.com "Smoke-Free Work Environment".

PARKES-DAVIS
People Who Care
"Equal Opportunity in Action"

RPI, a leader in the development of ribozyme-based pharmaceutical and agricultural products, is currently seeking an experienced scientist to join our Oligonucleotide Chemistry group at our state-of-the-art facility in Boulder, Colorado:

RESEARCH ASSOCIATE

We currently have an opportunity available for a B.Sc./M.Sc. Scientist with 6+ years of experience in oligonucleotide chemistry. The selected candidate will supervise the oligonucleotide synthesis groups and provide hands-on experience with modified synthesis protocols as well as possess the ability to multi-task. Computer proficiency is necessary as this individual will be responsible for managing the ribozyme database. Good communication and documentation skills and a desire to work in a team environment a must.

We offer a competitive salary and benefits package, including a stock option plan. For consideration, please fax or send a Curriculum Vitae and the names of three references to:

Ribozyme Pharmaceuticals, Inc., Dept. 097-5M, 2950 Wilderness Place, Boulder, CO 80301. Fax: (303) 449-6995. No phone calls accepted. We are an equal opportunity employer.

OPPORTUNITIES IN TOXICOLOGY

ALZA Corporation, headquartered in Palo Alto, California, is a leader in the development and commercialization of innovative pharmaceutical products using advanced drug delivery technologies to add medical and economic value to drug therapies. Our continued success has created exciting opportunities for experienced professionals to join our Toxicology department.

DVM

Within the Toxicology department, you will manage day to day operations of the animal facility, surgical suite and lab areas; provide leadership, direction, and supervision for vivarium staff; coordinate/provide technical support service and consultation; maintain facility in compliance with regulations; assist in the clinical care of laboratory animals, investigator, and animal technician training; oversee husbandry operations and overall welfare of lab animals. The position requires a DVM/VMD degree from a AVMA Accredited College of Veterinary Medicine; U.S. veterinary license (preferably licensed in CA); demonstrated skills in medical and surgical procedures; strong written/verbal communication skills; and a willingness to contribute in an innovative pharmaceutical research environment. Candidate must be board eligible or board certified by the ACLAM. 3-5 years’ lab experience, knowledge of GLP & USDA regulations, and PC proficiency are preferred. (Job# SC301-DVM-SH)

Research Scientist

Serving as Study Director for toxicology & research studies, your responsibilities will include study design; laboratory work; interpretation/evaluation of data; and preparation of written reports & regulatory documents. You will serve as Study Monitor for studies conducted at contract laboratories, handling the selection/auditing of contract facility, providing input on study design, and reviewing subsequent reports. You will also assist in the design of toxicology studies to evaluate in vivo and in vitro responses to drug delivery technology. The position requires Ph.D.; at least 5-8 years’ experience in pharmaceutical industry; and strong written/verbal communication skills. Knowledge of GLP regulations and PC proficiency are preferred. (Job# SC301-RS-SH)

We will reward you with an attractive salary & benefits package and a career opportunity to contribute to the success of an established industry leader. To apply, please send resume to: ALZA Corporation, HR Dept., Attn: Job#, 950 Page Mill Rd., P.O. Box 10950, Palo Alto, CA 94303-0802. Fax: (415) 494-5151. TDD: (415) 494-5003. Or call our Job Hotline at (415) 494-6319. ALZA is proud to be an Equal Opportunity Employer and welcomes applications from minorities & persons with disabilities.
POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR IN ANATOMY
Department of General and Occupational Therapy and Physical Therapy
Creighton University, a Catholic, Jesuit institution, invites applications for the position of ASSISTANT/ASOCIATE PROFESSOR IN ANATOMY. The position is full-time, 12-month position. Candidates must possess excellent communication skills, an earned doctorate in a relevant discipline, and experience in anatomy and histology. The successful applicant will be expected to participate in the teaching of gross anatomy, anatomy laboratory, neuroscience, and histology, and to develop an independent, peer-reviewed, journal publication program. Ph.D. candidates should have a strong background in research and interest in teaching. Applicants should send letter of interest, curriculum vitae, and four letters of reference to: Amy Haddad, Ph.D., Assistant Dean for Administration and Research, School of Pharmacy and Allied Health Professions, Creighton University, 2500 California Plaza, Omaha, NE 68178. Telephone: 402-280-5962. Creighton University is an Affirmative Action/Equal Opportunity Employer.

JOHNS HOPKINS UNIVERSITY
BIOMEDICAL ENGINEERING
The Department of Biomedical Engineering at the Johns Hopkins University invites applications for a tenured or tenure-track FACULTY POSITION. The successful candidate must be able to establish an independently funded research program that builds on or complements ongoing research programs. The candidate will also participate in the teaching of undergraduate and graduate students. For more information on our department, visit: http://www.bme.jhu.edu/.

 Interested applicants should send their current vita and names of three referees to: Dr. Murray B. Sachs, Chair, Department of Biomedical Engineering 710 Traway Building 720 Rutland Avenue Baltimore, MD 21205

The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

YALE UNIVERSITY
DEPARTMENT OF CHEMISTRY
The Department of Chemistry of Yale University solicits applications for a TENURED POSITION in Inorganic Chemistry in the sub-discipline of bio-inorganic molecular biology. The successful candidate’s research interests should complement those of the current tenure faculty. The position is expected to be filled for the academic year 1996-1997. Applicants should submit a curriculum vitae and a list of publications to: Donald M. Brothers, Chair, Senior Bio-Inorganic Search Committee, Department of Chemistry, Yale University, 215 Prospect Street, New Haven, CT 06520-8107 by April 15, 1996. Yale University is an Equal Opportunity/Affirmative Action Employer.

EQUITY OPPORTUNITY.

The Department of Pathology of the University of California, San Diego (UCSD) seeks an ASSOCIATE DIRECTOR of the Clinical Microbiology Laboratory at UCSD Medical Center. The Associate Director will be expected to share responsibility for each microbiology, infectious diseases to medical students and house staff, and to establish an independent research program. The successful candidate should have credentials sufficient for appointment as a tenure-track assistant or tenured associate professor in the ladder-rank series at UCSD. Candidates must be eligible for medical licensure in California and should have demonstrated teaching in Clinical Microbiology and/or Infectious Diseases. Academic rank (assistant or associate professor) will be dependent upon achievements and availability will be commensurate with established University pay scales. Curriculum vitae and names of three references should be sent to: Sharon L. Reed, M.D., Chair of the Microbiology Search Committee, Department of Pathology, UCSD Medical Center, 200 West Arbor Drive, San Diego, CA 92103-8416. Applications received by April 1, 1996, or thereafter until position is filled, will receive full consideration. Affirmative Action/Equal Opportunity Employer.

BIOMEDICAL RESEARCH SCIENTIST
The Department of Pediatrics at the University of Illinois at Chicago invites applications for a research position with their hemoglobin group. Appointment will be at the rank of RESEARCH ASSISTANT PROFESSOR. Requirements include a Ph.D. in transgenic animal experimentation. The successful candidate will work with transgenic laboratory animals, perform cell culture, and conduct research in the area of hematopoiesis. The successful candidate must have knowledge of hematopoietic research and cell biology. Ph.D. candidates should have a strong background in research and interest in teaching. Applications should be received by: Director of the ZMBH, Prof. Dr. Bernhard Dobberstein, Im Neuenheimer Feld 226 D-69120 Heidelberg, no later than October 4, 1996.

PHYSIOLOGY: TENURE-TRACK ASSISTANT PROFESSOR
Undergraduate and graduate teaching responsibilities include general biology of animals, human physiology, comparative physiology, mammalian physiology, and endocrinology. The successful candidate must have an extensive knowledge of physiological applications. Ph.D. candidates are required. Salary commensurate with qualifications and experience. Available August 16, 1996. Send letter describing teaching and research interests, a list of published works, and three letters of recommendation to: Personnel/Physiology Search Committee, Station 21, Eastern New Mexico University, Portales, NM 88130. Applications should be received by March 25, 1996 and continue until position is filled. Affirmative Action/Equal Opportunity/Title IX Employer.

SABA UNIVERSITY SCHOOL OF MEDICINE
Immediate opening: Three positions (Genetics, Pharmacology, Neuroscience) for Ph.D. FACULTY who wish to teach and complete their M.D. Residency in the field. All positions start September 1, 1996. Applicants should have a strong academic background in their field of interest. For further information contact: Dr. David Fredrick, 2421 West Pratt Boulevard, Suite 444, Chicago, IL 60645. Telephone: 503-630-5122.

ENDOWED CHAIR IN MOLECULAR MICROBIAL ECOLOGY
School of Natural Resources
The Ohio State University
The School of Natural Resources of The Ohio State University invites senior applicants (associate or full professor) for the endowed ENDOWED CHAIR IN MOLECULAR MICROBIAL ECOLOGY. We seek an internationally recognized scholar in microbial ecology, with emphasis on microbial transformations of nutrients and/or xenobiotics in soils and aquatic environments and an outstanding record of research accomplishment. Other qualifications include a Ph.D. in microbiology, soil microbiology, or a related field of interest and a documented talent for teaching and student advising. The holder of the Chair will be appointed as an Associate or Full Professor, at The Ohio State University. Curriculum vitae, a list of references, and a summary of research interests should be sent to: Dr. Samuel J. Traina, Search Committee Chair, School of Natural Resources, The Ohio State University, 2124 Coffey Hall, 1925 Neil Avenue, Columbus, OH 43210. Review of applications begins on May 1, 1996, and will continue until the position is filled. The position is available July 1, 1996. The Ohio State University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWS/RESEARCH ASSISTANT PROFESSORS
The Department of Physiology and Cell Biology at University of Nevada School of Medicine to conduct investigations supported by federally funded and/or agency funded grants into the ion channel of rhythmicity in smooth muscle, neurotransmitters of smooth muscle, endothelium-dependent regulation of vascular smooth muscle, ionic mechanisms in cardiac muscle, and development of excretion and contraction of smooth and cardiac muscle. Various molecular, electrophysiological and imaging techniques are utilized in these studies. Send curriculum vitae and three references to: Kenton Sanders, Ph.D., Department of Physiology and Cell Biology, University of Nevada School of Medicine, Reno, NV 89557. First review of applications will begin April 1, 1996. Affirmative Action/Equal Opportunity Employer.

TENURED FACULTY POSITIONS
Diablo Valley College (DVC) has tenured INSTRUCTORS positions in biology and math; and two each in chemistry and physics. The positions include a valid California community college instructor credential or Master’s degree in the subject or equivalent. DVC is a comprehensive community college located 20 miles east of the Berkeley/Oakland area. Various deadlines this spring. For applications, Telephone: 510-685-1230, ext. 1929.

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SCIENCE • VOL. 271 • 1 MARCH 1996
EXECUTIVE DIRECTOR
COMMISSION ON ENGINEERING
AND TECHNICAL SYSTEMS

The National Research Council (NRC), the principal operating arm of the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine, a national non-profit, non-government organization located in Washington, D.C., invites applicants for the position of Executive Director of the Commission on Engineering and Technical Systems (CETS). CETS activities include programs which examine relevant science and technology policy issues. A staff of approximately 70 members support the work of CETS.

The Executive Director in cooperation with the CETS Chairman and Executive Board, manages the CETS as one of the ten major program units of the NRC, including all scientific, financial, and administrative operations of the unit, subject to the policy directives of the Chairman, Governing Board, and Executive Officer of the NRC. The incumbent plans and oversees the ongoing program of technical activities and studies, supervises staff, and is expected to stay abreast of major developments in the fields of engineering and technical systems. The CETS Executive Director identifies emerging problems and opportunities for NRC studies and responds to public and private requests for studies and information. The Executive Director serves as a senior member of the leadership team of the NRC and in addition to other duties, participates in the overall vitality and effectiveness of the institution, including joint projects across a range of disciplines, reviews of overall program and managerial effectiveness, and strategic positioning for the future of the organization.

Applicant should have the following qualifications: Ph.D. or equivalent in areas related to engineering and at least 10 years experiences related to the analysis of technology policy issues. Substantial leadership experience in program development, policy analysis, and formulation, staff management, and project quality assurance is required. Familiarity with the role of the U.S. government in supporting and using research in areas of technology policy, contracts and grants procedures, and with institutions of higher education and industry is required. Candidates must demonstrate excellence in teambuilding, human resources and financial management, and effective oral and written communication skills.

Please send resume in confidence to: National Research Council, Human Resources, GR 146 (CETS-ED), 2101 Constitution Avenue, N.W., Washington, D.C., 20418.
An Equal Opportunity Employer.

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SR. CHEMIST
Pre-Production Dept.
CHEMIST
Development Dept.
SR. CHEMIST
Research Dept.

Medical Analysis Systems has excellent opportunities available at our Camarillo facility, located in beautiful Ventura County, CA.

Candidates must have a B.A., B.S., M.S. or Ph.D. in Chemistry, Biochemistry or another science-related field. Familiarity with automated clinical chemistry analyzers, and 2+ years of research experience in clinical chemistry, preferably in vitro diagnostics. Also requires working knowledge of Windows-based spreadsheet and word processing programs, along with good math, reasoning and verbal/written communication skills.

Competitive salary and benefits package. Please send your resume with salary history to: NAS, 542 Fyenn Road, Camarillo, CA 83012, Attn: Human Resources.

We are an Equal Opportunity Employer

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Senior Scientist/
Immunologist

Position in Northern
San Diego County, California

 Isis Pharmaceuticals, a dynamic biopharmaceutical company and leader in antisense technology, has an exceptional opportunity for an Immunologist experienced in vivo, cellular and molecular immunology. In conjunction with other Scientists, the selected candidate will help lead a drug discovery effort in cellular immunology and develop in vivo models to characterize the effects of specific agents on the immune function. Experience with endothelial cell-leukocyte adhesion molecules and/or cytokine biology is highly desirable. The candidate should have a Ph.D., M.D. or D.V.M. degree and a minimum of 2 years of relevant postdoctoral experience.

Isis offers excellent salaries and benefits, including equity participation. We are located in North Coastal San Diego County, an area offering an abundance of recreational advantages, as well as proximity to world-class educational institutions. For consideration, send resume with cover letter to: Isis Pharmaceuticals, Human Resources, Code 206, 2292 Faraday Ave., Carlsbad, CA 92008. Principles only. No phone calls please. EOE.

ISIS PHARMACEUTICALS

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THE HUNTSMAN CANCER INSTITUTE AT THE UNIVERSITY OF UTAH AND THE SALT LAKE CITY VA MEDICAL CENTER

Joint recruitment for a medical oncologist or hematologist/oncologist (ASCO Professor or Professor) is available in the Division of Genitourinary Oncology and in the Division of Hematology oncology at the VA Medical Center. Candidates with a strong research interest in prostate cancer, lung cancer, or colorectal cancer are encouraged to apply.

Position Open

TO THE CANCER INSTITUTE OF NEW JERSEY

A POSTDOCTORAL POSITION for a Ph.D. in molecular biology is available immediately. Experience in tumor biology and/or yeast genetics is preferred. Applicants should have less than five years of postdoctoral experience. Send curriculum vitae and names of three references to: Dr. Howard A. Nash, Laboratory of Molecular Biology, Building 36, Room 1808, NIMH, National Institutes of Health, 9000 Rockville Pike, Bethesda, MD 20892-2451; telephone: 301-496-0245; Email: Nash@CDDON.NIH.GOV. National Institutes of Health is an Equal Opportunity Employer.

YALE SCHOOL OF MEDICINE

NIIH POSTDOCTORAL RESEARCH FELLOWSHIP available, focused on the immunology of diabetes. Applicants should hold a Ph.D. or M.D. degree and have basic research experience in immunology. Send curriculum vitae and names of three references to: Robert Sherwin, M.D., Endocrine Section, Yale School of Medicine, Box 117, New Haven, CT 06510; Telephone: 203-785-8020; Fax: 203-785-8021; Email: rs@yale.edu. An Equal Opportunity/Affirmative Action Employer.
DIRECTOR BOARD ON AGRICULTURE

The National Research Council is currently seeking a director for its Board on Agriculture to manage day-to-day operations, assist in program development and administration, and provide advice to the Executive Director of the Board and the NRC Chairman on matters related to research, development and policy issues in the agricultural, food systems, and environmental sciences. Responsibilities include working closely with the Chairman and members of the Board on Agriculture to develop pertinent and appropriate program activities and establish priorities for the work of the Board. The Director will be responsible for initiation, development, planning, management and coordination of all of the Board’s program activities, including fund raising and budget management, identifying and meeting with sponsors and potential sponsors and handling all personnel matters for the Board. Requirements include a Ph.D. or equivalent in the life or physical sciences, preferably agricultural science related disciplines, and a minimum of six years directly related experience in agricultural sciences and policy issues. Excellent interpersonal skills and communications skills are required. The NRC offers a generous salary and benefits package including paid relocation to the Washington D.C. area. Please send resume in confidence to NRC, NAS 243-PG, 2101 Constitution Avenue, N.W., Washington, D.C. 20418. EOE.

DEAN OF THE SCHOOL OF SCIENCE AND HEALTH

The William Paterson College of New Jersey invites nominations and applications for the position of Dean, School of Science and Health.

The School of Science and Health houses the departments of Biology, Chemistry and Physics, Communication Disorders, Community Health, Computer Science, Environmental Science and Geography, Mathematics, Exercise and Movement Sciences, and Nursing. Its baccalaureate programs are enhanced by the Master of Arts degree in Biological Science and Master of Science degree in Biotechnology, Nursing, and Communication Disorders. The School also offers Pre-Medical, Pre-Dental and Veterinary Medicine preparation through its Pre-Professional programs. Also affiliated with the School is an Honors Program in Biopsychology. The recipient of a $3.1 million New Jersey Challenge to Excellence grant, and commanding state-of-the-art equipment, the School has established a Center for Research to focus on interdisciplinary research in Biotechnology, Environmental Science, and Applied Mathematics. The School’s 96 faculty members serve approximately 1,650 undergraduate majors and 100 graduate students.

The Dean is the chief academic officer of the School, reports to the Provost and Vice President for Academic Affairs, and is a member of the Deans’ Council. The Dean is responsible for providing leadership for a complex and diverse school, planning and overseeing the development of its academic programs, and administering the School, including budget planning and management, and all personnel matters. The position provides an opportunity to facilitate interaction among scholars and teachers across the disciplines housed within the School and to encourage an integrated multidisciplinary approach to undergraduate Health, Nursing, Mathematics, and Physical and Natural Sciences Education.

The successful candidate must possess personal qualities of leadership and vision, a proven record of success in academic administration; a degree of maturity that enables him/her to work collaboratively with a variety of individuals and groups; prior leadership experience at a significant level of responsibility, preferably at the Dean’s level; an earned doctorate in a discipline represented within the School; and scholarly accomplishment and teaching experience commensurate with appointment as a professor in a department in the School.

Founded in 1855, The William Paterson College of New Jersey serves approximately 8,000 undergraduate students through its 26 undergraduate programs. Its graduate enrollment numbers approximately 1,200 students in 13 graduate degree programs. The College maintains a strategic commitment to the goals of excellence, diversity, and community. William Paterson College, situated on a 250-acre suburban campus 20 miles from New York City, is an accredited state college and is in the process of seeking university status. WPC is an affirmative action/equal opportunity employer.

The position becomes available on July 1, 1996. Salary dependent upon background and experience.

Review of applications will begin on March 1, 1996, and continue until March 30. Applications should be sent with a letter citing specific accomplishments related to the above criteria, a curriculum vitae, and the names, addresses, and telephone numbers of three (3) references who may be contacted at the time of invitation to be interviewed with the approval of the candidate. Please direct material to:

Mr. Raj Singh, College Hall (Drawer SCI)

WILLIAM PATerson COLLEGE
Office of Human Resources
PO Box 913, Wayne, NJ 07474-0913

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER

Prokaryotic Molecular Biology

The Department of Microbiology, University of Pennsylvania School of Medicine invites applications for tenure-track positions at the Assistant and Associate Professor levels. Candidates should have strong credentials in the fields of microbial pathogenesis or prokaryotic molecular genetics. Major responsibilities will include supervision of an active research program and teaching microbiology to graduate and medical students. Applicants should submit a curriculum vitae, summary of research accomplishments, description of future plans and three letters of reference by April 15, 1995 to:

Dr. Susan Weiss, Chair
Prokaryotic Search Committee
Department of Microbiology
University of Pennsylvania
1033 Blockley Hall
418 Guardian Drive
Philadelphia, PA 19104-6021

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER
POSTDOCTORAL OPPORTUNITIES IN STRUCTURAL BIOLOGY
The Rockefeller University

Two POSTDOCTORAL POSITIONS are available to explore various structural interactions in transcriptional regulation of development and in apoptosis. Individuals with a multidisciplinary background in either molecular biology, immunology, and/or electron microscopy, are encouraged to apply. There are state-of-the-art facilities for research in structural biology, molecular biology, and biochemistry, including 500 MHz and 600 MHz spectrometers equipped for modern multi-nuclear NMR. Additional information can be obtained by: Telephone: 312-360-2815; FAX: 312-360-0825; Email: mwerner@speck.niddk.nih.gov. Interested parties should send their curriculum vitae, summary of present and future research interests, copies of publications, and three letters of recommendation to: Milton H. Werner, Ph.D., c/o Ronnie Gulli, The Rockefeller University, 1230 York Avenue, New York, NY 10021. The Rockefeller University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL TRAINING PROGRAM ENVIRONMENTAL TOXICOLOGY
Graduate Center for Toxicology
University of Kentucky

The Graduate Center for Toxicology is a multidisciplinary training program in basic mechanisms of toxicity with emphasis on toxicogenomics, environmental and neurotoxicology, immunotoxicology, drug disposition, and gene regulation. Two POSTDOCTORAL RESEARCHER POSITIONS are available for 1996-1997 and are funded by the NIEHS Training Grant. Postdoctoral applicants must be citizens or permanent residents of the United States. Salaries are $24,150-$28,150. Applications will be submitted on or before April 15, 1996. Send curriculum vitae and three reference letters to: Dr. Mary Vore, University of Kentucky, Graduate Center for Toxicology, 306 Health Sciences Research Building, 4056 South Limestone, KY 40292-0305. The University of Kentucky is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE
A world leading biotechnology company seeks the following service-oriented professional to work in California. To qualify, you must have B.S./M.S. degree with a background in animal science, genetics, or molecular biology, and a minimum of two years of experience working in a transgenic laboratory. E. coli experience and a willingness to work overtime are essential. AALAS certification is preferred but not required. To apply, please send your resume and salary history to: Recruiting, Box 1AB, 1524 Claverfield Boulevard, Suite G, Santa Monica, CA 90404. Principals only.

Equal Opportunity Employer

POSTDOCTORAL OR STAFF RESEARCHER EXPERIMENTAL CHEMICAL PHYSICS

JAY-STAT SIGNALING
An NIH-funded POSTDOCTORAL POSITION is available to study the molecular interactions that regulate JAK-STAT signal transduction in the interferon and related cytokine pathways. (See Yan et al., J. Immunol., 1989, March 1, 1996). An M.D./Ph.D. plus a strong background in molecular and cellular biology are required. Send or Email a brief description of research experience, and names of three references to: Dr. John Kroulowski, Department of Pathology, Columbia University, 630 West 168th Street, New York, NY 10032. Email: jk>j@colunbia.edu. Columbia University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIPS
The newly established Cancer and Developmental Biology Laboratory (CDBL), under the leadership of Dr. Scott W. Burchiel, has a POSTDOCTORAL RESEARCH PROGRAM, has several POSTDOCTORAL FELLOWSHIPS currently available. The Laboratory has two major areas of interest: 1) the role of early mammalian development, and 2) the phenomena of genomic imprinting and its contribution to mammalian development. We seek motivated and experienced individuals with research experience, in but not limited to, cell and molecular biology, E cell culture, embryology, and gene targeting.

The ABL-Basic Research program is in Frederick, Maryland (45 miles north of Washington, DC) and offers a full complement of benefits, postdoctoral stipends, and a pleasant work environment. Please send a curriculum vitae, an introductory letter containing a brief description of research experience, and contact information for three references to: Personnel Department CDBL, ABL Basic Research Program, NCI Fredrick Cancer Research and Development Center, P.O. Box B, Building 428, Frederick, MD 21702-1201, Equal Opportunity Employer/Men/Women/Disabled/Veterans.

POSTDOCTORAL POSITIONS IN OPHTHALMIC LASER RESEARCH
One or two POSTDOCTORAL RESEARCH POSITIONS are available at the New England Eye Center, Tufts University School of Medicine. We conduct ophthalmic laser research and to develop novel techniques for optical tomography and laser surgery. Potential candidates should have strong background in optics and lasers, good communication skills, and an ability to work closely with clinical investigators. A Ph.D. degree in biomedical engineering, biophysics, optics, or related field is preferred. Successful candidate will be encouraged to develop his or her own independent research program. Please send curriculum vitae and three letters of recommendation to: Carmen A. Pullafito, M.D., Director, New England Eye Center, 750 Washington Street, Boston, MA 02111. FAX: 617-636-4215.

POSTDOCTORAL RESEARCH ASSOCIATE
A POSTDOCTORAL POSITION is available immediately in the area of non-natural amino acid mutagenesis. Strong background in peptide chemistry or protein chemistry required. Experience in the use of in vivo transcription/translation systems is desirable. Qualified candidates should send a letter, curriculum vitae, and three letters of reference to: Dr. John V. Brown, Chemistry Department, Brown University, Providence, RI 02912 before March 30, 1996. Email: John_Oliver@Brown.edu. Brown University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL RESEARCH SECTION OF RHEUMATOLOGY
COLLEGE OF MEDICINE
University of Illinois at Chicago

POSTDOCTORAL POSITION for outstanding Ph.D. or M.D. to identify regulatory regions of human collagen genes, characterize transcription factors and signaling pathways in fibrosis. Experience in molecular biology of gene regulation and transcription factors required. Send curriculum vitae, brief statement of research interests, three reference letters and a copy of the Ph.D. or M.D. dissertation to: John V. Brown, Section of Rheumatology, University of Illinois at Chicago, M/C 739, 900 South Ashland Avenue, 115B MBB, Chicago, IL 60612.

POSTDOCTORAL RESEARCH ASSOCIATE
Two positions are available immediately for studies of biochemical basis of behavioral effects off low-level exposure to lead. A Ph.D. degree is required with a strong background in molecular biology or neurobiology. Salary is negotiable based upon experience. Please send curriculum vitae and three letters of reference to: Carmen A. Pullafito, M.D., Director, New England Eye Center, 750 Washington Street, Boston, MA 02111.

POSTDOCTORAL RESEARCH ASSOCIATE
The ideal candidate will have demonstrated research expertise in one or more aspects of endothelial cell biology, smooth muscle cell regulation, and vascular graft remodeling. Excellent oral and written communication skills and previous experience in technical management a plus. Requires a Ph.D. with at least three years of postgraduate experience. Interested applicants may forward resumes to: Orthografts Inc., 150 Dan Road, Canton, MA 02021.

POSTDOCTORAL AND PREDICTORAL RESEARCH POSITIONS IN BREAST CANCER
The University of New Mexico (UNM) College of Pharmacy Toxicology Program has two immediate openings for a POSTDOCTORAL RESEARCHER and a PREDICTORAL RESEARCHER, in the laboratory of Scott W. Burchiel, Ph.D. in the area of breast epithelial cell signaling by environmental agents. Applicants must have a Ph.D. in a toxicology-related discipline with one year of experience and by June 30, 1996 should send resumes with a cover letter including an original signature, reference Dr. Burchiel, No. 96-05248 to: UNMHC Human Resources, Medical Building 2, Room 101, Albuquerque, NM 87131. The predoctoral position is not a staff position and would attend UNM. Individuals interested in this position should contact: Dr. Burchiel, Telephone: 505-277-0920; FAX: 505-277-6749; Email: burchiel@unm.edu. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH POSITION available immediately to study the use of peptides as ligands for the large-scale chromatophy of pro- teins from human serum. This is a joint university/industry research project aimed at identifying suitable peptide sequences from chemically-synthesized combinatorial peptide libraries, and to characterize the adsorption and elution conditions necessary to obtain pure therapeutic proteins in a GMP environment. Doctoral degree in biochemistry, chemistry, biotechnology, or biochemical engineering with prior experience in chromatography of proteins, HPLC, and peptide synthesis is desirable. Salary: $30,000 per year, position renewable on a yearly basis. Send curriculum vitae and three letters of recommenda- tion to: Professor Ruben G. Carbonell, Depart- ment of Chemical Engineering, North Carolina State University, P.O. Box 9005, Raleigh, NC 27695- 7905. North Carolina State University is an Affirmative Action/ Equal Opportunity Employer.

RESEARCH ASSOCIATE
The University of Virginia Health Sciences Center’s Department of Neurological Surgery has a position available. We are currently looking for a molecular biologist/geneticist to work on tumor suppressors and growth factors in neural tumors. The successful candidate will possess a Ph.D. from a major university in a related field. Research background in tumor suppressor genes in humans and human vertebras is essential. The candidate should also have experimental experience with molecular biological and graduate students. Graduate training and experience in statistics is desirable. Interested applicants should apply to: University of Virginia Health Sciences Center Department of Neurological Surgery Box 212 Charlottesville, VA 22908 Attention: Personal Administrator The University of Virginia is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION, available June 1, 1996, to investigate the role of alternative RNA polymerase sigma factors in the regulation of antibiotic synthesis in streptomycetes using biochemical and molecular genetic approaches. Send curriculum vitae and three letters of rec- ommendation to: Dr. Gary A. Lehrer, Department of Biology, Emory University, Atlanta, GA 30322.

STAFF SCIENTIST VASCULAR PROGRAM
Exciting opportunity in tissue engineering available in the area of vascular biology. Candidate would develop and supervise a research program to study factors influ- encing endothelial cell-smooth muscle cell interaction and matrix remodeling in a new form of vascular graft. The ideal candidate will have demonstrated research expertise in one or more aspects of endothelial cell biology, smooth muscle cell regulation, and vascular graft remodeling. Excellent oral and written communication skills and previous experience in technical management a plus. Requires a Ph.D. with at least three years of postgraduate experience. Interested applicants may forward resumes to: Organogenesis Inc., 150 Dan Road, Canton, MA 02021.
Imagine...

**POSTDOCTORAL FELLLOW**

You will work on the development of an optimized high-speed, high-throughput prototype DNA sequencing method and facility that optimally utilizes information from electrophoretic and hybridization methods to perform DNA sequencing. You will also develop and test molecular biology protocols and perform labeling methods and coding strategies for performing high-speed partial sequencing of target DNA using ABI and CAE apparatus. Responsibilities include determining integration of hybridization and electrophoretic sequencing data to achieve optimized sequencing performances; developing molecular biology and labeling protocols, as well as coding strategies for performing de novo sequencing with combinatorial hybridization chips; consulting with microfluidics effort in developing molecular biology protocols. The successful candidate will have a PhD in Molecular Biology or Biochemistry with extensive experience in nucleic acid chemistry, DNA sequencing, DNA hybridization techniques and nucleic acid enzymology. Familiarity with automated fluorescence-based DNA sequencing and instrumental approaches to DNA sequencing and analysis is highly desirable.

**DATA ANALYSIS**

(MULTIPLE OPPORTUNITIES)

Working closely with scientists and software engineers to optimize assay design and conditions, you will develop and refine algorithms and software tools to analyze sequence data generated by oligonucleotide array assays. Requires a BS in Computer Science, Physical Sciences, Mathematics or related discipline, and a minimum of 2+ years' experience with a strong scientific background and significant experience writing DNA sequencing analysis software and expertise in C++. Must be able to understand and evaluate traditional and array-specific sequencing approaches, associated image and numerical data from the arrays and integrate calculations and visual interpretations to characterize genotype. Ability to work independently with excellent communication and technical skills are needed. Rapid-prototyping of analysis tools for the scientific user is a plus.

In addition, several Research Associate positions are available in the areas of Product Development, Molecular Biology and Chemistry.

You can help revolutionize the future of biomedical research, diagnostics and healthcare by joining some of the best minds in biotechnology, at Affymetrix. Please send or fax your resume to: Affymetrix, Attn: Professional Employment, 3380 Central Expressway, Santa Clara, CA 95051. FAX: (408)481-0422. EOE.

**STAFF SCIENTISTS**

**GENOMICS**

You will develop and apply methods of gene expression monitoring, using high-density oligonucleotide arrays. This involves developing methods of sample preparation, probe design and data analysis. Responsibilities also include directing and implementing internal research and cultivating outside collaborations in gene expression, mapping, genetics, medical diagnostics and cell biology. The successful candidate will have a PhD in Biochemistry, Biophysics, Genetics, Molecular Biology or related field and 3+ years' relevant experience in DNA/RNA and standard molecular biology procedures and concepts. Must have a strong research and publication record, strong analytical/computational skills and an understanding of the physical chemistry of biological macromolecules.

**MAPPING**

Leading the development of parallel, high-speed and easy to use DNA probe array based genetic mapping assay, you will collaborate with other scientists to develop genetic markers, molecular biology protocol to access markers and DNA probe array designs to detect markers. In addition, you will develop the internal discovery program based on the genetic markers as well as work with other commercial/academic partners in their own programs. Requires a PhD in Molecular Biology or Molecular Genetics and 2+ years' relevant experience. Must have experience in assay and protocol development with an extensive background in genetic mapping and analysis. Experience in disease and/or physical mapping is preferred.

**RESEQUENCING**

You will lead the application of DNA probe arrays for polymorphism screening. Working with Affymetrix collaborators and commercial/academic partners, you will design DNA probe arrays to detect mutations in known genes, molecular biology protocols amplify, label and hybridize target DNA as well as data analysis methods to interpret the data. Requires a PhD in Molecular Biology or Molecular Genetics and 2+ years' experience in DNA sequencing and analysis. Must have experience in assay and protocol development. A background in human genetics is desirable.
William R. and Lenore Mote Eminent Scholar Chair in Fisheries Ecology and Enhancement (established 1994)

The Department of Biological Science at Florida State University is seeking applications for the position of William R. and Lenore Mote Eminent Scholar in Fisheries Ecology and Enhancement. This position is designed to bring one of the world’s most eminent fisheries scientists to Florida State University and the Mote Marine Lab for a short-term, visiting appointment to enrich the academic programs at both institutions. The period of appointment is negotiable between a minimum of six months and a maximum of one year.

The Mote Eminent Scholar will divide his or her time equally between Florida State University and the Mote Marine Laboratory in Sarasota. The duties include presenting a series of graduate-level lectures in fisheries science, focused on the scholar’s areas of expertise, active interactions with graduate students and faculty members at each institution, and other scholarly work in research, teaching, and service as appropriate.

Each candidate must hold the Ph.D. and the rank of Full Professor or its equivalent, and have an international reputation for research and scholarship in his or her area of expertise.

Applications will be accepted until 1 July 1996 or until the position is filled. Interested candidates should send a letter of application, curriculum vitae, a summary of research program, and names of four references to:

Joseph Travis, Chairman
Department of Biological Science
Florida State University
Tallahassee, FL, 32306-2043.

Florida State is an Affirmative Action/Equal Opportunity Employer.

Copies of this announcement are available upon request in alternative formats for individuals with print-related disabilities.
Post-Doctoral Position
Biochemist/Cell Biologist

Ciba Pharmaceuticals Division is recognized internationally as a leader in advanced therapeutic drug discovery. And at the heart of Ciba's scientific research is our state-of-the-art Life Science Building in Summit, New Jersey. One of the most innovative and architecturally novel biological research facilities in the U.S., it was designed and built to encourage the scientific interaction and teamwork that ensure success in our mission: to discover, develop, and manufacture innovative drug therapies that fulfill unmet medical needs and improve the quality of life around the world.

We have an opportunity in our prestigious postdoctoral program in Arthritis Biology for an individual who is interested in research to explore the mechanism of chondrocyte activation by fibronectin fragments. The ideal candidate will possess a PhD in Biochemistry/Cell Biology and expertise in protein chemistry or molecular biology.

For consideration, please send your resume with salary requirements to: Staffing Center, Dept NJ-381, Ciba Pharmaceuticals Division, 556 Morris Avenue, Summit, New Jersey 07901. We are an equal opportunity employer M/F/D/V.

Synaptic Pharmaceutical Corporation

Synaptic Pharmaceutical Corporation is a research based company dedicated to the discovery of new biological targets and therapeutic agents. Our human target-based drug design approach is on the cutting edge of new discovery technologies. Due to recent expansion, we are pleased to offer the following positions:

**Molecular Pharmacology:**
Scientist: Applicants should have a Ph.D. or M.D. degree in neuroscience or pharmacology and a minimum of eight years of relevant academic or industrial experience. Strong independent research background and knowledge of receptor binding, signal transduction, neurotransmitter release, and general physiology is essential. (Dept: 171a)
Research Associates: Applicants should have an MS or BS degree and at least two years of academic or industrial experience in the area of receptor binding and/or second messenger assays. (Dept: 171b)

**Histopharmacology:**
Scientist: Applicants should have a Ph.D. in a neuroscience-related field, 2 years of postdoctoral experience, and demonstrated expertise in one or more of the following areas: in situ hybridization histochemistry, immunocytochemistry, or receptor autoradiography. Practical expertise in either molecular biology or protein biochemistry would also be beneficial. (Dept: 172a)
Research Associates: Applicants should have an MS or BS degree with some experience in neuroanatomical techniques such as in situ hybridization histochemistry, immunocytochemistry, or receptor autoradiography. A secondary interest in molecular biology or receptor pharmacology would also be helpful. (Dept: 172b)

**Synthetic Organic Chemistry:**
Applicants should have a strong background in synthetic organic chemistry, including a Ph.D. or equivalent experience. A track record of achievement in an industrial setting with experience in solid phase synthesis / combinatorial chemistry is preferred. Experience with molecular modeling and computer database tools would be beneficial. (Dept: 173)

**Scientific Database Administrator:**
Responsible for creating, organizing and maintaining scientific databases for a growing pharmaceutical company. Qualified candidates should possess a M.S. in Computer Science with 3-5 years of applied programming and/or systems analysis experience in the pharmaceutical industry. Experience in developing and managing Oracle and Microsoft Windows based applications is essential. Good communication skills essential. (Dept: 174)
MACROMOLECULAR CRYSTALLOGRAPHER

SmithKline Beecham Pharmaceuticals, a world leader in pharmaceutical research, is seeking a Protein Crystallographer as part of its expanding program in structure-based drug design. As part of this multidisciplinary team of scientists, the selected candidate will be expected to initiate a viable research program in the area of protein crystallography in collaboration with other scientists. The candidate will work on proteins of interest to SmithKline Beecham, which include recombinant human proteins, receptors and enzymes of therapeutic interest.

Qualified candidates must have a Ph.D. in a relevant discipline and a strong background in the practical aspects of Macromolecular Crystallography, including crystallization, data acquisition, structure solution and refinement and molecular modeling.

SmithKline Beecham’s state-of-the-art research facility is equipped with area detectors, rotating anode generators, an extensive network of computers and modern graphic systems. Located in suburban Philadelphia, SmithKline Beecham offers a competitive compensation/benefits/relocation package. For confidential consideration, please send your CV and names of three references to: SmithKline Beecham Pharmaceuticals, Job #H5-0083, P.O. Box 2646, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.

SmithKline Beecham
Pharmaceuticals
Challenging the natural limits.

Why Join GENE MEDICINE?
Discovery, Innovation, Success.

Sr. Scientist – Pulmonary
Preclinical Biology/Pharmacology

GENEMEDICINE, INC., a leader in discovering therapeutic genes to treat disease, develops non-viral “gene medicines” through corporate partnerships. We seek an accomplished Scientist to lead our team of asthma researchers in the design and execution of experiments and in the development, evaluation and selection of novel formulations for gene expression in the lung. He/She will have demonstrated in vivo experimentation expertise and working knowledge of pulmonary physiology, pathology, and/or inflammation. The successful candidate will have a Ph.D. or equivalent, two years post-doc experience and at least two years of experience in a successful (bio)pharmaceutical company.

GENEMEDICINE, INC., offers an attractive compensation and benefits package, as well as the opportunity to work in “The Research Forest”, nestled within The Woodlands, a planned community. For confidential consideration, please send c.v. to: Human Resources, GENEMEDICINE, INC., 8301 New Trails Drive, The Woodlands, TX 77381-4248. Fax (713) 364-0858. EOE.

MAYO CLINIC
DIVISION OF MEDICAL ONCOLOGY AND MAYO CANCER CENTER

Clinical Research Positions

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

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

Mayo Foundation is an affirmative action and equal opportunity educator and employer.

Aeviess Corporation

Aeviess Corporation is a biotechnology research and education company dedicated to elucidating the molecular mechanisms of aging and applying this knowledge to reducing the negative impacts of aging on human health. Opportunities exist for talented, creative scientists in the following positions:

- **Medical Geneticist** to manage our longevity genotyping project, which will utilize molecular genetic techniques to discover genes regulating aging, longevity and premature death. Requires a Ph.D. or M.D. and 5 years experience in the molecular genetic analysis of human disease, as well as strong leadership and communication skills.

- **Molecular Biologists/Genontologists** to address basic molecular mechanisms of aging as part of a multidisciplinary team. Requires a Ph.D. or M.D. and 2 years experience in the molecular biology of aging, preferably involving studies on oxidative damage, DNA repair, regulation of gene expression, or related topics.

- **Bioinformatics Manager/Specialist** to join our bioinformatics group that will develop custom sequencing and genome informatics software.

For further information, visit our Internet site at http://www.aeviess.com/. Qualified candidates should send a CV and names and contact information of three references to: Aeviess Corporation, Attn: Applicants, P.O. Box 31083, Seattle, WA 98103-1083.
Agouron Pharmaceuticals, Inc., a cutting-edge leader in the field of protein structure-based drug design, has immediate opportunities for Ph.D. level scientists to join its team of researchers in the Pharmacology Group.

**RESEARCH SCIENTIST, TOXICOLOGY**

The successful applicant will support the preclinical and clinical development of novel anticancer and antiviral agents by evaluation of the toxicology profile of therapeutic candidate molecules. Duties will include protocol development, communication with contract facilities, study monitoring and data review. A Ph.D. in toxicology, pharmacology, physiology or a related discipline is required together with a minimum of 2 years' postdoctoral training, preferably in an industrial or contract laboratory environment providing experience in GLP testing and applied R&D.

Code: TOX

**RESEARCH SCIENTIST, PHARMACOLOGY**

An opportunity exists for a Ph.D. level scientist in Pharmacokinetics or Pharmacology with 2 years of industrial/postdoctoral experience. Responsibilities include the design, conduct, analysis and interpretation of preclinical pharmacokinetics, pharmacodynamic and drug metabolism studies. Candidates should have prior experience in developing bianalytical methods, pharmacokinetic-pharmacodynamic data analysis and report writing for IND/NDA submissions. This position involves interaction with a multi-disciplinary team of scientists involved in the discovery and development of new drugs. Code: PK

We offer competitive salaries and benefits and the opportunity to grow with a dynamic public company. For immediate consideration, please forward your resume and salary history to: Human Resources Department, Code: (see above), Agouron Pharmaceuticals, Inc., 10350 N. Torrey Pines Road, La Jolla, CA 92037. EOE.

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**SENIOR/PRINCIPAL RESEARCH SCIENTIST**

Be at the forefront of drug discovery research with The DuPont Merck Pharmaceutical Company. We are focused on meeting unmet medical needs through the discovery and development of innovative compounds leading to novel pharmaceuticals.

We have a position in our Cancer/Genetics Group for a cancer cell biologist to lead a laboratory focused on the development and implementation of cell-based screens and animal models for the identification and evaluation of selective anti-cancer agents. The applicant should possess good molecular biology and cell biology skills and preferably have prior experience in cancer biology/pharmacology. Previous work in the areas of cell cycle control or apoptosis and a background including clinical experience would be an asset. The applicant will work as part of a multi-disciplinary team aimed at the discovery of novel anti-cancer agents. Good writing and communication skills and the ability to collaborate effectively are essential. The candidate should have at least three years post-doctoral experience and a Ph.D., M.D., or M.D./Ph.D. in a cancer-related area.

Our location, near Wilmington, DE, offers an attractive lifestyle with easy access to all the cultural, academic and recreational activities of the Eastern seaboard. The DuPont Merck Pharmaceutical Company can offer you an excellent compensation and benefits package including a 401K plan as well as excellent working conditions and challenging assignments. Please send a letter of introduction and resume to: Human Resources-SD/SPRS, The DuPont Merck Pharmaceutical Company, Experimental Station, 4002/4213, PO. Box 80400, Wilmington, DE 19880-0400. An equal opportunity employer M/F/D/V.
**ANIMAL DRUG SAFETY**

**PROJECT MANAGER**

Hoffmann-La Roche, a major force in the field of international Animal Health and Nutrition, has recently expanded its animal drug portfolio. As part of an aggressive plan to further strengthen our position as a world leader, we are inviting applications for the position of Project Manager in the Animal Health Preclinical Development Group.

The successful candidate will be responsible for planning and managing drug safety research programs to support worldwide registration of animal health drugs. The research will focus on the evaluation of the Toxicity and environmental impact of new animal drugs and will involve extensive international collaboration with external researchers and consultants.

The ideal candidate will possess a Ph.D. in toxicology, pathology, pharmacology or related field with a minimum of three years directly related industrial or academic experience. Strong communication and presentation skills and the ability to work in a multi-discipline team environment are essential. Experience in performing studies to GLP standards and in dealing with regulatory agencies is highly desirable. This position will involve overseas travel.

We offer a competitive salary and progressive benefits package. To apply, please send resume and salary requirements to: Human Resources Department 95050/51, Roche Vitamins and Fine Chemicals, 45 Eisenhower Drive, Paramus, New Jersey 07652, USA. We are an equal opportunity employer.

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**THE UNIVERSITY OF TEXAS AT SAN ANTONIO**

**DIVISION OF EARTH AND PHYSICAL SCIENCES**

**ENVIRONMENTAL SCIENCES**

Applications are invited for a tenure-track position as Assistant Professor in an interdisciplinary graduate program in Environmental Sciences. Practical experience in an environmentally related field and teaching in the university environment is preferred. A Ph.D. in environmental related engineering or scientific discipline is required. Candidates will be expected to develop a well-funded graduate research program and to prepare and teach courses, offered either at the UTSA Downtown Campus or on the Main Campus at the graduate level in at least three of the following areas: Geographical Information Systems and Decision Support Systems; Industrial Systems and Processes; Natural Systems; Waste Minimization and Pollution Control; Environmental Regulations and Institutional Arrangements; Environmental Economics and Investment Analysis; Quantitative Skills and Modeling.

The position has a starting date of September 1, 1996, pending budget approval. Application deadline is April 1, 1996. Applicants who are not current U.S. citizens must state their current visa or residency status. Submit letter of application, current curriculum vitae, and three letters of recommendation to: Chair, Environmental Sciences Search Committee, Division of Earth and Physical Sciences, The University of Texas at San Antonio, 5900 North Loop 1604 West, San Antonio, Texas 78249-0693. The University of Texas at San Antonio is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

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**Associate Dean for Information Resources and Professor and Chair, Department of Information and Communication Sciences**

**Southern Illinois University School of Medicine**

**Springfield, Illinois**

Position: Southern Illinois University School of Medicine is seeking qualified applicants for the position named above, which reports directly to the Dean and Provost of the School of Medicine.

Responsibilities: This position is responsible for the development, implementation, ongoing assessment, and annual adjustment of an information technology plan designed to support the School of Medicine's academic and clinical mission. Of equal priority, this position serves as Chairperson, Department of Information and Communication Sciences and, as such, is responsible for the development of medical information sciences through the recruitment of appropriate faculty positions and the use of existing faculty within the academic domain. This position also serves as the chief administrator responsible for managing the operations of the School's principal information resource units, including the medical library and the Offices of Telemedicine and of Information Technology.

Setting: Southern Illinois University School of Medicine, a four-year, community-based medical school, has two campuses 180 miles apart. The School is internationally known for its innovative educational methods. The school’s two large, affiliated community hospitals are financially sound and technologically advanced. The School of Medicine’s home page can be viewed at “http://www.sumed.edu”.

Minimum Qualifications: An M.D., D.O., or Ph.D., and at least three years’ administrative experience dealing with matters related to information technology, preferably in a medical school environment.

Application: Send an introductory letter, curriculum vitae, and the names and addresses of three references to:

Chair, Search Committee
Associate Dean for Information Resources and Professor and Chair
Department of Information and Communication Sciences
Southern Illinois University School of Medicine
P.O. Box 19230
Springfield, Illinois 62794-1215

Application Deadline:

Review of applications will begin April 15, 1996, and will continue until a suitable candidate is selected. The position is available immediately.

Southern Illinois University is an Equal Opportunity/Affirmative Action Employer.

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The Department of Molecular Microbiology and Immunology, University of Missouri, Columbia seeks to fill two full-time tenure-track faculty positions in Immunology. Candidates will be expected to develop a vigorous, externally funded research program, direct Ph.D. students and participate in teaching graduate and/or medical students.

1) Assistant Professor: Candidates should have a Ph.D. or equivalent degree with a minimum 3 years of relevant postdoctoral experience, significant publications and evidence of potential for a sustained commitment to high-quality research.

2) Associate Professor: Candidates should have demonstrated potential for maintaining an active, independent research program in Immunology as evidenced by quality publications and external funding. This individual will also serve as director of the Cell and Immunobiology Core Facility, part of the University of Missouri Molecular Biology Program, which provides tissue culture reagents, hybridoma production and flow cytometry to investigators. Salary for both positions is competitive and commensurate with experience. Interested candidates should submit a curriculum vitae, statement of research interests and goals and the names, addresses and telephone numbers of at least three references to: Dr. Helen B. Mullen, Immunology Search Committee, Department of Molecular Microbiology and Immunology, DC 385.00, University of Missouri-Columbia, Columbia, MO 65212. Noncitizens please include visa status. Screening of applications will start 1 April, 1996 and will continue until the positions are filled. The University of Missouri is an affirmative action-equal opportunity employer and encourages applications from females and minorities.
**RESEARCH SCIENTISTS**

**LIPID BIOCHEMISTRY**

The Biochemistry Department of Merck Research Laboratories has immediate openings for individuals interested in joining a creative, team-oriented environment focused on the cell biology and physiology of lipids. Specific areas of interest include lipid second messengers, lipid transfer proteins, lipopolysaccharide biology, and atherogenesis. Successful candidates will join a multidisciplinary team dedicated to identifying key steps in lipid metabolism or transport and validating their role in disease processes.

Qualifications: MD or PhD in biochemistry or cell biology is required. Candidates should have at least three years postdoctoral experience. Familiarity with at least one of the following areas is highly desirable: analysis of lipids, lipoproteins, lipid transfer proteins, membrane biology, vesicular transport, lipid second messengers, molecular biology, transgenic and/or knockout animal models. The candidate should have a strong publication record and be capable of leading a research effort in a creative and independent fashion. Merck offers a competitive salary, an excellent benefits package, opportunities for professional growth, and pleasant working conditions. Qualified applicants should send their resumes to: Manager, Human Resources, Ad #181, Merck Research Laboratories, P.O. Box 2000, RY80-A3, Rahway, NJ 07065. EEO/AA/VH/Employer.

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**Scientists in Drug Metabolism**

Three positions are available in the Department of Drug Metabolism to work closely with a multi-disciplinary team of chemists, biologists, and pharmacologists in support of drug discovery and development. The selected candidates will provide essential pharmacokinetic and metabolism data in both exploratory research programs and preclinical ADME studies required for IND submissions.

**MASS SPECTROMETRY** — Ph.D. degree in analytical chemistry/organic chemistry/biochemistry or a related area, with at least 5-10 years of research experience in the field of mass spectrometry. The candidate should have a proven, published record of accomplishments in the field of mass spectrometry, especially in its application to solving problems related to metabolism of xenobiotics. A solid understanding of separation chemistry and broad experience in analytical technologies is important.

**DRUG METABOLISM** — B.S. or M.S. degree in biochemistry/medicinal chemistry/pharmacology or related areas with at least 3-5 years of research experience. Knowledge of enzyme kinetics, pharmacokinetics and xenobiotic metabolism is important; skill in handling radioactive isotopes and small laboratory animals is desirable, but not essential. Familiarity with modern analytical instrumentation (e.g. HPLC) and separation methodology is essential.

**DRUG METABOLISM** — B.S. or M.S. degree in animal sciences/biology or related fields with 3-5 years of experience in support of research. The candidate should be knowledgeable in surgically-prepared rodent models for dosing and blood sampling. Skill and experience in performing surgery are essential. Skill in handling large laboratory animals (dog and nonhuman primates) is important. Experience in radioisotopes and metabolism is desirable, but not required.

Merck Research Laboratories are located in Rahway, NJ, approximately 25 miles from New York City. Our salaries, benefits and growth potential are excellent. For consideration, send your resume, with the names of three references, to: Merck Research Laboratories, Human Resources, Ad #181, P.O. Box 2000, RY80-A3, Rahway, NJ 07065. EOE/AA/VH/Employer.

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**Microbiologist in Antimicrobial Evaluation**

The Department of Antibiotic Discovery & Development at Merck Research Laboratories has an opening for a highly motivated microbiologist interested in antimicrobial evaluation in vitro and in vivo.

The position requires a BS/MS or equivalent in Microbiology (or a related field); and evidence of research experience is an advantage. The successful candidate will be responsible for conducting quantitative models of fungal or bacterial infections in rodents. Candidates should have excellent skills in handling small animals, and be accustomed to the safe handling of human bacterial and fungal pathogens, and their in vitro analysis. Candidates should be skilled in the quantitative analysis and interpretation of data, and be computer literate.

Merck offers a competitive salary, an excellent benefits package, opportunities for professional growth, and pleasant working conditions. Qualified applicants should send their resumes to: Manager, Human Resources, Ad #179, Merck Research Laboratories, P.O. Box 2000, RY80-A3, Rahway, NJ 07065. EEO/AA/VH/Employer.

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Allelix Biopharmaceuticals Inc. is a Canadian pharmaceutical company dedicated to the discovery, development and commercialization of innovative pharmaceutical products. We currently seek a:

**Director, Molecular & Cellular Biology**

Reporting to the Senior Vice President, Research and Development, you will be responsible for the planning, implementation, review and evaluation of the discipline in accomplishing corporate objectives.

Qualified candidates will have a Ph.D. and at least 8 years' drug development experience in the pharmaceutical industry.

We offer a competitive salary, a full range of benefits and equal employment opportunities. If you share our commitment to excellence and have a demonstrated capacity for teamwork, kindly send your resume to: Human Resources Department, Allelix Biopharmaceuticals Inc., 6850 Goreway Drive, Mississauga, Ontario, Canada L4V 1V7.
Molecular/Cellular Immunologist

The Virginia-Maryland Regional College of Veterinary Medicine, Maryland Campus, and the Center for Agricultural Biotechnology, within the University of Maryland Biotechnology Institute, jointly invite applications for a tenure-track faculty appointment in Immunology at the Assistant Professor level. Candidates must have a Ph.D. with postdoctoral experience in cellular and molecular immunology. Candidates should be able to demonstrate leadership in development of an active and contemporary research program in molecular and/or cellular immunology with an emphasis on poultry. The successful candidate must be able to communicate and collaborate effectively with academic colleagues, government personnel, and industry representatives. Additional duties include direction of graduate student research and some instruction of undergraduate and graduate students. Applicants with interests in entomology of the immune system; molecular and cellular mechanisms of immune modulation; and, the impact of immune response on infectious disease and disease control measures, are encouraged to apply. Salary is negotiable and will be commensurate with qualifications and experience.

Qualified applicants should submit a letter of application, curriculum vitae, statement of career goals and research interests, and names, addresses and telephone numbers of three references to: Dr. Vikram Vakharia, Chair, Search Committee, Virginia-Maryland Regional College of Veterinary Medicine, University of Maryland, 8075 Greenmead Drive, College Park, MD 20742-8771. Applications will be received until May 17, 1996, or until an acceptable candidate has been identified. The University of Maryland is an affirmative action/equal opportunity employer. Minorities and women are encouraged to apply.

California Institute of Technology

POSTDOCTORAL FELLOWSHIPS IN MOLECULAR GEOBIOLOGY

The Divisions of Biology and Geological and Planetary Sciences at Caltech announce two joint postdoctoral fellowships available in molecular geobiology. Researchers with backgrounds in the geological and biological sciences (or both) relevant to studies, at the molecular level, of the coupled evolution of the earth and the life that it supports are encouraged to apply. These fellowships have been established to support the research of scientists typically within two years after receipt of the Ph.D. The intent of the program is to identify and support innovative and creative work in geobiology, with particular emphasis on interdisciplinary studies at the interface between biology and geology.

The duration of the appointment will normally be for 2 years, contingent upon good progress in the first year. The annual stipend will be $30,000 or higher in the first year depending on qualifications, plus the cost of one-way travel to Pasadena. Scholars are eligible to participate in Caltech's health and dental programs.

A curriculum vitae including a list of publications, the names of three references, and a one page statement of proposed research activities should be e-mailed by April 15, 1996 to: gab@leggs.gps.caltech.edu. Alternatively, applications may be sent to Professor Geoff Blake, Chair, Committee on Geobiology, Mail Code 170-25, California Institute of Technology, Pasadena, CA 91125.

Caltech is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.
RedCell, Inc., a biotechnology company, is seeking exceptional individuals with demonstrated leadership and managerial skills to participate in pioneering new chemical and biological research technologies targeting drug design and delivery.

We are seeking Senior Scientist to Director level positions in the following areas:

**Combinatorial Libraries**
Ph.D. to pioneer new technology. Experience with soluble and solid phase libraries and demonstrated creativity and innovation are essential. POS#01

**Medicinal Chemistry**
Ph.D. in Organic Chemistry, and a min. of 8 yrs of pharmaceutical experience. Ideal candidate will possess established expertise in organic synthesis, experience in combinatorial chemistry and structure-based design/molecular modeling as well as bioconjugation. POS#02

**Enzyme Chemist**
Ph.D. with demonstrated excellence in enzyme mechanisms and kinetics, protein purification and protein modification. POS#03

All applicants must have relevant work experience and strong interpersonal and organizational skills. We offer an energetic environment in the San Francisco Bay Area and an opportunity for research in a rapidly changing field. Fax cv and references indicating POS# to (415) 827-0123 or E-Mail to hr@redcell.com. Equal Opportunity Employer.

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**TOXICOLOGIST**

Hoffmann-La Roche, a leader in the pharmaceutical and health care industries, is looking for an experienced toxicologist to join the Department of Toxicology and Pathology in Nutley, New Jersey.

The successful candidate will represent the Department on International Project Teams using toxicological knowledge and skills to strategically design and coordinate the preclinical safety programs for drugs in development. Additional responsibilities will include the design and interpretation of toxicity studies and preparation of contributions to internal and regulatory documents.

To qualify, you must have a Ph.D. or a veterinary degree and a minimum of five years pharmaceutical and drug development experience. Strong oral/written communication, interpersonal and team skills are required, supported by the ability to effectively plan and manage multiple scientific projects and to make sound scientific decisions. PC/computer knowledge is desirable.

We offer a competitive salary and benefits package as well as the opportunity to make an impact in an important industry. For consideration, please send your curriculum vitae and salary history to: Ms. Stella Strazdas, Hoffmann-La Roche Inc., Department SS146RT, Nutley New Jersey 07110-1199. Principals only. NO PHONE CALLS PLEASE. We are an equal opportunity employer.
Research Entomologist (GS-11/12). USDA/ARS/Horticultural Crops Research Laboratory, Fresno, California, is seeking an innovative research scientist. The incumbent will conduct basic and applied research in entomology. The research will be conducted as part of a team effort directed towards the development of alternatives to chemicals currently used to control stored-product and quarantine pests. Specific objectives include: 1) Identify potential physical (acoustical, infra-red, electronic, laser, etc.) detection systems for stored-product and quarantine pests and conduct research to determine their feasibility and efficacy limits; 2) Determine the critical or limiting factors, both physical and biological (i.e., population level, storage conditions, etc.), that affect the potential effectiveness of the candidate detection systems for use with dried and fresh commodities; 3) Integrate physical with chemical detection systems and collaborate with modeler/population ecologists to construct predictive models for detection efficacy based on pest population growth rates below, at and above economic injury levels. The successful individual will be expected to develop an innovative vigorous independent research program, collaborate with the other scientists and publish research results in refereed publication. Knowledge of insect biology, behavior, plant attractants, and pheromones. Knowledge of physical (acoustical, lasers, electronic, infra-red, etc.) methods of insect detection in order to develop efficient and highly automated systems for disinfestation of infested durable and perishable commodities is desirable. The incumbent will also require skill to integrate detection systems with other control measures. A working knowledge of horticultural crops is desirable but not essential. Must be a U.S. citizen. A Ph.D. is highly desirable. Candidates with postdoctoral experience are preferred. Salary will be commensurate with experience ($36-$43K). Call Dr. Patrick Vail at 209 453-3000 for position information, For application information and forms call Denice Greenwell at 209 453-3005. Mail application forms to USDA/ARS/Human Resources, 6303 Ivy Lane, Room 504, Maryland 20770-1435. Applications must be marked ARS-D6W-061 and must be postmarked by April 4, 1996. USDA/ARS is an Equal Opportunity Employer, women and minorities are encouraged to apply.

Nutrilite Products, a leader in food supplements for over 60 years, has 2 current full-time openings in its Research and Development dept.: 

SR. RESEARCH ASSOCIATE

Responsible for agricultural research and agricultural staff. Will design and conduct field laboratory and pilot-scale programs. (Greenhouse and field studies). All research and findings will support production of nutritional products. Individual will document all findings and be responsible for all written records. Position requires a Ph.D. in Agricultural/Food or Biological Science or an MS degree in Agricultural/Food Science, plus 2 or more years agricultural research experience. Must have working knowledge in row and/ or herbal crop production and of plant pathology, entomology and soil fertility. Must possess excellent written and oral communication skills. Good analytical and problem solving skills a must.

Please send résumé to: S. Hartman, Nutrilite, 19600 6th Street, Lakeview, CA 92567

Assistant Professorships

The University of Iowa, College of Medicine

The Department of Pharmacology invites applications from highly qualified individuals for up to three tenure track positions. Successful applicants will be expected to develop dynamic, extramurally funded research programs, excel in the teaching programs of the department, and contribute actively to a strong, NIH-supported departmental graduate program.

New leadership in the department is committed to appointment and support of highly promising individuals applying modern approaches to the study of contemporary questions in the pharmacological sciences. New research initiatives in the college and department include cell and molecular biology of signal transduction, gene expression and function, oncogenes and cancer biology, and cell and molecular biology of drug action and metabolism. Current departmental faculty interact with collegiate faculty in the Cancer Center, Cardiovascular Center, and Diabetes and Endocrinology Research Center, and participate in interdisciplinary graduate programs in Molecular Biology, Genetics and Neuroscience.

Candidates with a Ph.D. and/or M.D. and an excellent record of research productivity and quality should submit before June 1, 1996 a curriculum vitae, summary of research accomplishments (including copies of key publications), description of future research plans, and names of three to five referees:

G.F. Gebhart, Ph.D.
Department of Pharmacology
Bowen Science Building
The University of Iowa
Iowa City, IA 52242-1109.

The University of Iowa is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL ELECTROPHYSIOLOGIST

Science Applications International Corporation (SAIC) is the nation's largest employee-owned high technology firm with over 20,000 employees and annual revenues approaching $2 billion. Our Life Sciences Operation is performing cutting edge research in the areas of developmental neurophysiology, neural prosthetics, cell based sensors, and biocompatibility. We are currently seeking a PhD neurophysiologist for our new Biotechnology Applications Section.

Applicants should possess 3-5 years experience in extra- and intra- cellular recordings and single channel and whole-cell configurations of patch clamp recordings using cultured embryonic mammalian neurons and cell lines. Proficiency in computer-assisted data, cell culture, and general knowledge of cellular neuroscience is desirable.

We offer a competitive compensation and benefits package. For immediate consideration, please send your complete Curriculum Vitae, including publications and salary requirements, in confidence to: Dept. JH-09, SAIC, 1710 Goodridge Drive, McLean, VA 22102. EO E - We value cultural diversity in the workplace.
NATIONAL UNIVERSITY OF SINGAPORE
COMPUTATIONAL SCIENCE PROGRAMME

Applications are invited for Faculty positions/appointments under the Computational Science Programme from candidates who possess a PhD degree or its equivalent in any of the following areas:

- Geometric Modelling
- Parallel Computation
- Symbolic Computing
- Nonlinear Dynamics
- Computational Fluid Dynamics
- Quantum Chemistry
- Complex Systems
- Neural Computing

Duties include teaching, research and some administrative work. Besides appointments on normal 3-year contracts, visiting appointments for one or two years will also be considered.

The Computational Science Programme, consisting of Computational Chemistry, Computational Mathematics and Computational Physics, is an interdisciplinary undergraduate programme in the Faculty of Science. There are eight faculties in the National University of Singapore with a current student enrollment of some 17,500. All departments are well-equipped with a wide range of facilities for teaching and research.

Gross annual emoluments range as follows:

- Lecturer: S$56,920 - 72,580
- Senior Lecturer: S$66,320 - 129,600
- Associate Professor: S$114,870 - 159,760
  (US$1.00 = S$1.41 approximately)

The commencing salary will depend on the candidate's qualifications, experience and the level of appointment offered. In addition, a 13th month Annual Allowance (of one month's salary) and an Annual Variable Component (of normally 2 months' salary) may be payable at year end, under the flexible wage system, to staff on normal contracts.

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, subsidised housing, education allowance up to three children subject to a maximum of S$16,425 per annum per child, passage assistance and baggage allowance for the transportation of personal effects to Singapore. Staff members may undertake consultation work, subject to the approval of the University, and retain consultation fees up to a maximum of 60% of their gross annual emoluments in a calendar year.

All academic staff will be given a networked personal computer (Pentium or Macintosh Power PC) with access to a Cray supercomputer, UNIX hosts, departmental laser printers, a wide spectrum of software, on-line library catalogue, CD-ROM databases, Teleview, INtv and Internet.

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 119260

The Director
North America Office
National University of Singapore
55 East 59th Street
New York, N.Y. 10022
U.S.A.
Tel: (212) 751-0331

Enquiries may also be sent through INTERNET to: PERCNC@NUS.SG, or through Telefax: (65) 7783948. Only shortlisted candidates will be notified.
KUWAIT PRIZE 1996

The Kuwait Prize was institutionalized to recognize distinguished accomplishments in the arts, humanities and sciences. The Prizes are awarded annually in the following categories:

A. Basic Sciences
B. Applied Sciences
C. Economics and Social Sciences
D. Arts and Letters
E. Arabic and Islamic Scientific Heritage

The Prizes for 1996 will be awarded in the following fields:

A. Basic Sciences:  Entomology
B. Applied Sciences:  Waste Recycling
C. Economics and Social Sciences:  Islamic Banks
D. Arts and Letters:  Studies in Arab Music
E. Arabic and Islamic Scientific Heritage:  Astrology

Foreground and Conditions of the Prize:

1. Two prizes are awarded in each category:
   * A Prize to recognize the distinguished scientific research of a Kuwaiti, and
   * A Prize to recognize the distinguished scientific research of an Arab citizen.
2. The candidate should not have been awarded a Prize for the submitted work by any other institution.
3. Nominations for these Prizes are accepted from individuals, academic and scientific centres, learned societies, past recipients of the Prize, and peers of the nominees. No nominations are accepted from political entities.
4. The scientific research submitted must have been published during the last ten years.
5. Each Prize consists of a cash sum of K.D. 30,000/* (approx. U.S. $100,000/*), a Gold medal, a KFAS Shield and a Certificate of Recognition.
6. Nominators must clearly indicate the distinguished work that qualifies their candidates for consideration.
7. The results of KFAS decisions regarding selection of winners are final.
8. The papers submitted for nominations will not be returned regardless of the outcome of the decision.
9. Each winner is expected to deliver a lecture concerning the contribution for which he was awarded the Prize.

Inquiries concerning the Kuwait Prize and nominations including complete curriculum vitae and updated lists of publications by the candidates with four copies of each of the published papers should be received before 31/10/1996 and addressed to:

The Director General
The Kuwait Foundation for the Advancement of Sciences
P.O. Box: 25263, Safat – 13113, Kuwait
Tel: (+965) 2429780 / Fax: (+965) 2403891
Telex: 44160 KEFAS
The European Molecular Biology Laboratory is an international research organization consisting of three outstations and a headquarters laboratory situated in Heidelberg, Germany. A research Programme in Mouse Genetics was established recently at the Monterotondo campus, near Rome, at a site where the European Mouse Mutant Archive is also being established independently. The EMBL Group Leaders already appointed include K. Rajewsky (Programme Coordinator; B-cell development, targeted recombination) and W. Witke (Group Leader; cell motility, actin binding proteins). The Laboratory announces the following opportunities:

GROUP LEADER IN MOUSE GENETICS REF. 96/08

Applications are invited for a research Group Leader position in mouse biology, in areas that use modern tools of genetic analysis, such as development, cell biology, immunology and neurobiology. The selected candidate will be given a standard EMBL Group Leader appointment including some research and personnel costs, initially for 5 years. He/she will also hold an associate appointment in the EMBL headquarters laboratory in Heidelberg, which includes groups working on vertebrate gene expression, cell biology, differentiation and development.

Informal enquiries can be made to:
Dr. Thomas Graf  tel: +49 6221 387 410
fax: +49 6221 387 516 or to
Dr. Klaus Rajewsky tel: +49 6221 4702467
fax: +49 6221 4705185

Closing date for applications: April 15, 1996. The appointment will be available from autumn 1996.

Applications, comprising a curriculum vitae, a short description of research accomplishments and future plans, and three letters of reference should be sent to the Head of Human Resources at the address given below.

POSTDOCTORAL POSITIONS

These will be available beginning autumn 1996. Please apply to the individual Group Leaders (K. Rajewsky or W. Witke) directly, via the address given below.

PhD POSITIONS

These positions will involve initial training at the common EMBL Predoctoral Course that takes place in Heidelberg October - December 1996, followed by research at Monterotondo. Closing date for applications: April 1, 1996. Please request application forms from the Graduate Secretary at the address given below.

EMBL is an inclusive, equal opportunity organization.

EMBL, Postfach 10.2209, D-69012 Heidelberg, Germany
(Fax: +49 6221 387555)

The European Molecular Biology Laboratory, an international research organization consisting of three outstations and a headquarters laboratory situated in Heidelberg, Germany, has five vacancies in the field of

APPLIED COMPUTING AND BIOINFORMATICS
at Hinxton, near Cambridge, UK,

The European Bioinformatics Institute (EBI), an outstation of the European Molecular Biology Laboratory (EMBL) was recently established at Hinxton, near Cambridge, UK, to foster leading edge research and development in bioinformatics. The EBI, in collaboration with groups in Europe, Japan and the USA, maintains a number of biological databases, including the world's largest database of nucleotide sequences.

With support from the EU and many leading biotechnology/pharmaceutical companies, the EBI is embarking on a programme of bioinformatics support for industry. The programme will be led by Professor Paolo Zanella, Head of the EBI, and will include: developing new software and information structures to aid industry in searching databases and detecting sequence similarities; developing network navigation tools; establishing standards; and a training/education programme designed to make industry more aware of the potential of bioinformatics and to train their personnel in the applications of new and existing software. The training/education element of the programme will involve the organization and running of international conferences, seminars, tutorials and focussed workshops.

The precise content of the tasks to be pursued is now being decided in consultation with our industry partners. The programme will eventually employ 14 people, of whom 4 will be existing EBI personnel. The informatics environment will offer state-of-the-art computers and networks. We are now looking to fill 5 of the 10 new positions: the remaining 5 will be filled in 1997.

Candidates are expected to have a university degree in a relevant discipline (Computer Science, Physics, Biochemistry, etc.). A PhD or its equivalent would be an advantage. A background in bioinformatics, computational chemistry or biocomputing would be desirable, as would practical experience of any of the following - management of complex information structures; data mining techniques; networking; development of software tools; program design and implementation; and 3-D graphics applications development. For some posts, such as those involved in training, experience in the organization and running of courses would be an additional advantage.

EMBL is an inclusive, equal opportunity organization.

To apply, please send CV or write for an application form, quoting ref. no. 96/03 to:

The Head of Human Resources, EMBL, Postfach 10.2209, D-69012 Heidelberg, Germany.
Fax: +49 6221 387555
e-mail: jobs@EMBL-Heidelberg.de
Coordinator for the Programme of Cancer Immunology

The Institut Gustave-Roussy (IGR) in Villejuif, 3 miles south of Paris (France), is one of the world’s largest institutes dedicated to cancer research and treatment. It employs 2,700 people. The research facilities are linked to CNRS, France’s national scientific research centre, and INSERM, the French medical research institute, and its activities cover a wide spectrum of biological, pharmacological and epidemiology disciplines in basic research and development of new therapies for cancer. The Institute is seeking a recognized leader in immunology to coordinate and reinforce an ongoing programme in immunotherapy and gene therapy.

Ideal profile
The ideal candidate should have a degree in Medicine, a PhD in Immunology and a track record of successful leadership, as well as proven personal excellence in research. Managerial qualities, drive, and scientific vision are essential for this position.

The main responsibilities will be to ensure a constant flow of innovation in basic immunology, immunotherapy and gene therapy at the interface between basic research and clinical trials, to improve the institute’s position and to participate in determining research strategy in the field. Laboratory facilities are available.

Applications, including a detailed curriculum vitae, should be addressed to:
Dr. François KOURILSKY, Deputy Director for Research, Institut Gustave-Roussy, 94805 Villejuif cedex, France (fax number 33.1.45.59.64.69).

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2275 Research Boulevard
Rockville, MD 20850
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BOSTON UNIVERSITY

SCHOOL OF MEDICINE

Departments of Pharmacology and Neurology

Applications are invited from accomplished junior scientists interested in the neural and behavioral basis of neurodegenerative diseases. Research projects must be relevant to developing an understanding of or treatment for Parkinson's Disease. Start-up funds, core facilities, and laboratory space are available to foster the establishment of a state-of-the-art research program. Please send your curriculum vitae, a brief statement of your research goal, and the names and telephone numbers of at least three references to: Dr. David H. Farb, Department of Pharmacology, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118. Equal Opportunity/Affirmative Action Employer.

ANALYTICAL CHEMIST

Developing environmental/bioanalytical lab is seeking an analytical chemist with mass spectrometry experience to assist the Director in program development. Ph.D. in analytical chemistry, pharmacy, biochemistry, or related discipline, with proven experience in chromatography and mass spectrometry methodologies. A minimum of three years of postgraduate experience in analytical work, to include GC, LC/MS, and EI/CLC, is required. Able to organize and interpret results for reports and publications. Computer and oral and written communications skills are essential and some electronic experience is preferred. Position is roughly 40-45 hours/week and is available April 1, 1996. Applications will be accepted until the position is filled. Please send complete curriculum vitae and two letters of recommendation to: Dr. Thomas P. Mawhinney, Director, Agriculture Experiment Station Chemical Laboratories, Room 4 Agriculture Building, University of Missouri, Columbia, MO 65211. The University of Missouri is an Equal Opportunity/Affirmative Action Employer.

ACADEMIC PATHOLOGIST

The Department of Pathology of the University of Illinois at Chicago has an immediate opening for an ACADEMIC PATHOLOGIST. Qualifications include an M.D. or M.D./Ph.D. degree and eligibility/certification in Anatomic and/or Clinical Pathology. We are specifically in search of an individual with research interest and experience in cancer molecular biology and diagnostic molecular pathology. Ongoing-funded research program is highly desirable. The appointee is expected to contribute to the Department’s undergraduate and graduate (Experimental Pathology) teaching programs. This is an excellent opportunity within the nation’s largest medical school system with a graduate program in Experimental Pathology. Salary and rank dependent on experience and credentials. Direct inquiries and submit curriculum vitae to: Jose R. Manahan, M.D., Ph.D., Department of Pathology (M/C 847), University of Illinois College of Medicine, 1819 West Polk Street, Chicago, IL 60612-7385. An Equal Opportunity/Affirmative Action Employer.

COMUNICATIONS OFFICER

The Burroughs Wellcome Fund, an independent private foundation established to advance the medical sciences by supporting research and other scientific and educational activities, seeks an individual with at least four years of experience in the field of SCIENCE WRITING AND COMMUNICATIONS. Excellent oral communication skills, scientific writing, planning, and organizational skills, attention to detail, and knowledge of communications technology and its application are required. M.S. or B.S. in the biomedical sciences, journalism, or English is desired. Excellent benefits package and salary commensurate with qualifications and experience will be provided. Submit résumé by March 15, 1996 to:

Carr Agyapong
Senior Program and Communications Officer
Burroughs Wellcome Fund
4709 Creekstone Drive, Suite 100
Durham, NC 27703
FAX: 919-941-5884

COURSES AND TRAINING

MOLECULAR TECHNIQUES WORKSHOP
June 24 to July 13, 1996

Designed for faculty, graduate students, postdoctorals and other professionals interested in applying molecular biological approaches to their research. Techniques include: cloning, sequencing, PCR, methods for analysis of gene expression, and more. Tuition: $1650 Housing: $148, meals not included. Contact: Barb Wimpee, NIEHS Marine and Freshwater Biomedical Sciences Center, University of Wisconsin-Milwaukee. Telephone: 414-382-1746. FAX: 414-882-1785. Email: bwimpee@bsd.uwm.edu.

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For more information, or to place an order, call Operon at 1-800-688-2248.

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