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PRODUCTS & MATERIALS

Automated Envelope Density Analyzer

The GeoPyc 1360 measures the envelope density of porous objects of irregular size and shape. It features a unique displacement measuring technique that eliminates messy waxes and mercury used in other techniques. A media called DryFlo consisting of microspheres and additives is used. The sample is placed in a bed of DryFlo, then the bed is gently agitated and compacted around the sample. The GeoPyc 1360 automatically collects the displacement data, performs the calculations, and displays the results. The unit also reports percent porosity and specific pore volume when absolute density is provided. Micromeritics. Circle 139.

Mathematics Software Inside Word Processing

Mathematica Link for Microsoft Word is a program that gives Microsoft Word the capability to perform mathematical calculations and create technical reports. Seamlessly connecting the powerful computing power of Mathematica to the globally standardized interface of Microsoft Word, this link allows users to combine text, live calculations, and graphics using the advanced text processing and layout features of Word. Users simply enter calculations in their Word documents, then the Mathematica engine invisibly evaluates them and the results appear in that same Word document. Wolfram Research. Circle 140.

Lymphocyte Subset Counting

A new reagent system for counting CD4⁺ T cells and other lymphocyte subsets can be run on conventional flow cytometers. The simple no-wash, no-centrifugation method makes use of positive fluorescence to directly identify the cells of interest, rather than the more indirect approach of light-scatter gating using a separate gating reagent. The system involves fewer steps and achieves greater precision than conventional approaches, according to the manufacturer. Becton Dickinson Immunocytometry Systems. Circle 141.

Vibratory Sievers

Three new models of vibratory sievers provide accurate particle size distributions of powdered material in up to eight fractions. A patented electromagnetic drive unit provides uniform three-dimensional oscillation of the sieve column. This motion provides superior



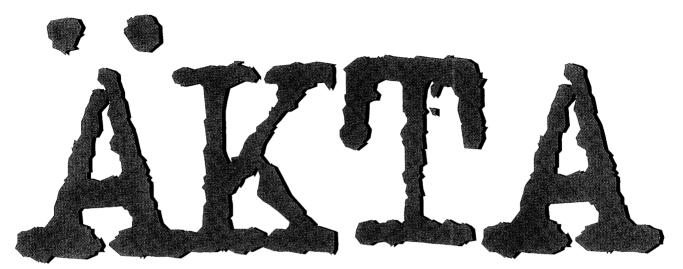
results with much less noise than conventional "rotating and tapping" instruments. The Basic Siever includes an analog timer and amplitude control. The AS200 Digit Siever features a digital timer and analog amplitude control. The AS200 Control Siever features a digital timer, digital control of interval duration, and digital amplitude control. **Brinkmann Instruments. Circle 142.**

Autosampler Vial Seal

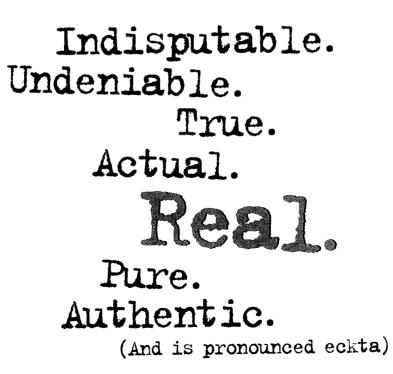
The Poly Crimp Seal is a polymer seal that can be crimp-sealed on any crimp-style vial using a standard metal crimping tool. The

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Readers' Service Card and placing it in a mailbox. Postage is free.

SCIENCE • VOL. 271 • 1 MARCH 1996



is a Swedish word that **Means**



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Would you like to solve all your major purification tasks by plugging in a power cord? Now you can. Does using pre-set running parameters for about 80 pre-packed columns interest you? You can do just that.

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We thought so. Now you can do all of this with a new tool called ÄKTA^{*}design. But before we tell you more about it, which of the following describes what you're doing?

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purification products and systems from Pharmacia Biotech. Depending on what you're working with, there will be a version to suit your every need. What's more, each version simplifies your development by letting you use time-tested, pre-set protocols throughout all purification stages.

The first purification system using this platform is called ÄKTA^wexplorer—which specifically answers the demands method development and purification scale-up place upon a system. You can count on ÄKTAdesign to simplify your purifica-

tion development because it resolves all major purification tasks for you; uses pre-set running parameters for about 80 pre-packed columns; automatically prepares buffers from stock solutions; and enables you to use UNICORN[™]—the software that gives you control over purification systems at all scales.



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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 Delta-Cycler 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 intui-



tive, 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 bal-

ances and analytical instruments. It features 19 different categories of optional equipment, ranging from application solutions to weighing aids. Mettler Toledo. Circle 146.

i-Series FT-IR Microscope describes a highperformance Fourier transform infrared (FT-IR) interactive multimedia microspectroscopy system. It combines bright, clear image quality and Windows-based multimedia software. **Perkin-Elmer. Circle 147.**

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 44page catalog with information on softeners, reverse osmosis stations, polishing stations, mobile systems, tanks and reservoirs, and more. Labconco. Circle 150.

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MEETINGS, CONFERENCES & SYMPOSIUMS For meeting, conference and symposium display advertisements, turn to pages 1326 and 1328.

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POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR PHARMACOLOGY AND TOXICOLOGY

The Department of Pharmacology and Toxicology at the University of North Dakota (UND) School of Medicine invites nominations and applications for a tenuretrack twelve-month appointment at the ASSISTANT or ASSOCIATE PROFESSOR level. The appointment is subject to availability of the position, which is anticipated 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 a vigorous and indepen-dently funded research program. We seek excellence in teaching and research independent of subdiscipline. Applicants should send a letter of application; complete curriculum vitae; statement of research interests; and development plan, and should arrange for three letters of ref-erence 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 **58202-9037**. Applications will continue to be screened until the position is filled, but should be received by May 1, 1996 for full consideration. UND is an Equal Opportunity/Affirmative Action Employer.

The Diabetes and Research Training Center (DRTC) at Vanderbilt University invites applications for a full-time academic position at the ASSISTANT PROFESSOR (tenure-track) level or higher. We are seeking candidates who use innovative genetic, 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, at least two years of postdoctoral training, and the potential to develop a competitive independent research program. The successful applicant will be assigned newly constructed laboratory space and jointly hold an appropriate academic appointment in a basic science and/or clinical department. The position is highly competitive with regard to start-up funds, salary, and benefits. Appli-cants should submit 1) curriculum vitae, 2) three refercants should submit 1) curriculum vitae, 2) three refer-ence letters, and 3) a concise statement of research inter-ests and plans. Apply 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/Eqnal 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, appropriate portions of general biology, and a graduate course in area of expertise. A commitment to good teaching is necessary. Research is also encouraged and expected. UTPB enrolls 2400 students, providing an atmosphere that encourages interaction between faculty and students. Submit résumé and the names, addresses, and telephone numbers of three references to: R. Douglas Spence, Co-ordinator for Biology, UTPB, 4901 East University, Odessa, TX 79762. Telephone: 915-552-2272; FAX: 915-552-2374; Email: biosearch@utpb.edu. Screening of applicants will commence March 31, 1996. UTPB is an Affirmative Action/Equal Opportunity 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 FACUL-TY POSITIONS in molecular toxicology or pharmacol ogy. Interactive, team-oriented, independent scientists focused on chemical perturbations of gene expression in neurodegeneration, development or aging are sought. Start-up funds, competitive salaries, and generous benefits package. Applications accepted until positions are filled; reviews to begin April 20, 1996. Send curriculum vitae, career goals, representative publications and three references to: Dr. P. S. Spencer, Director, OHSU, CROET, 3181 SW Sam Jackson Park Road, L606, Portland, OR 97201-3098. An Equal Opportunity / Affirmative Action Employer.

POSITIONS OPEN

LANDSCAPE ECOLOGIST/PLANT COMMU-NITY ECOLOGIST. Tenure-track Assistant Professor in Department of Geography/Assistant Heritage Biologist in Oklahoma Biological Survey at 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 inventory evaluation and classification of biological communities, and for coordinating with other faculty/professional staff in carrying out functions of Heritage Inventory. Teach one course plus seminar in Department of Geography, and be active in undergraduate and graduate programs. Both Survey and Department expect person to develop active research program in area of specialty. Ph.D. required. Successful applicant must 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 systems and remote sensing in studies; knowledge of eco-systems and biological communities of southern Great Plains; and skills in teaching and in written and oral communications. Screening from 1 April 1996 until position filled. Send résumé, a written summary of research inter-ests, reprints, and three letters of recommendation to: Gary D. Schnell, Director, Oklahoma Biological Survey, 111 East Chesapeake Street, University of Okla-homa, Norman, OK 73019. Telephone: 405-325-4034; FAX: 405-325-7702. Email: gschnell@uoknor. edu. Equal Opportunity/Affirmative Action Employer. Women and minorities encouraged to apply. University has policy of being responsive to needs of dual-career couples.

FACULTY POSITION PSYCHIATRY AND PHARMACOLOGY

Applications are invited for an **ASSOCIATE** or **FULL PROFESSOR** position on the tenure-track in the De-partments of Psychiatry and Pharmacology. The position requires a Ph.D. degree and candidates should document experience with modern approaches in molecular biology. We expect to recruit a neuroimmunologist who will bring an integrative approach to questions about interactions between the endocrine, immune, and nervous systems, including problems at the molecular levels.

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 competi-tive. 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: Edward Bixler, Ph.D., Department of Psychiatry, Pennsylvania State University College of Medicine, Hershey, PA 17033. Deadline for receipt of applications is 30 April 1996

For your health, the Hershey Medical Center is a smoke-free campus. We are an Equal Opportunity/Affirmative Action Employer and encourage minorities and women to apply.

ANATOMY POSITION OPEN

One tenure-track 12-month anatomy 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 anat-ony. Applicants should send a curriculum vitae and three letters of recommendation to: Jimmie L. Hicks, Ph.D., Associate Dean of Basic Sciences, College of Osteo-pathic 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.

VISITING ASSISTANT PROFESSOR: One-year August 15, 1996. Ph.D. in physiology. May apply for tenure-track position expected for August 1997. Teach human physiology, animal physiology, hu-nan anatomy, and general biology lecture and laboratories. Screening begins immediately. Send application letter, résumé, unofficial transcripts, names and telephone numbers of three references to: Chair, Natural Sciences, Lander University, Greenwood, SC 29649. Women and minorities are especially encouraged to apply. Affirmative Action/ Equal Opportunity Employer.

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 LJB3027, PARKE-DAVIS Pharmaceutical Research, Warner Lambert Co., 2800 Plymouth Rd, Ann Arbor, MI 48105, or via e-mail to: resume@aa.wl.com "Smoke-Free Work Environment".



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-SM, 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/VDM 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)

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POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR IN ANATOMY Departments of Occupational Therapy and Physical Therapy School of Pharmacy and Allied Health Professions

Creighton University, a Catholic, Jesuit institution, invites applications for the position of ASSISTANT/AS-SOCIATE PROFESSOR. Applications are invited for a full-time, 12-month position. Candidates must possess excellent communication skills, an earned doctorate in a relevant discipline, and experience in anatomy and histol ogy. The successful applicant will be expected to participate in the teaching of gross anatomy, anatomy laboratory, neuroanatomy, and histology, and to develop an independent research program. 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.

The George Washington University Medical Center (GWUMC) is seeking a PROFESSOR AND CHAIR for the Department of Microbiology and Immunology The GWUMC seeks a distinguished Ph.D. or M.D. Ph.D. scientist with an outstanding record of scientific productivity and proven ability to attract external funding in microbiology, molecular virology with an emphasis on AIDS or cancer. The Chair will direct the expansion and integration of a program in molecular virology, microbiology, and immunology. The Chair will serve as director of an interdisciplinary Research Center and actively recruit additional faculty members. The candidate should be capable of leading the Department to a position of academic excellence and national prominence. The successful candidate will have demonstrated excellence in teaching at the medical, graduate, and postdoctoral levels, as well as leadership qualities and administrative skills necessary to develop an academic interdisciplinary program. Applications will be accepted and reviewed on an ongoing basis until the position is filled. Applicants should submit curriculum vitae, an outline

of current and future research interests, and names of three references to: Bunny Wing-Fernhall, The George Washington University Medical Center, Department of Microbiology and Immunology, 2300 Eye Street, N.W., Washington, DC 20037. The GWUMC is an Equal Opportunity/Affirmative Action Employer. Applications from women and minorities are encouraged.

The Center for Molecular Biology of the University of Heidelberg (ZMBH) invites applications for a FULL PROFESSORSHIP in Molecular Biology (C4). The successful candidate will contribute to the research activities at the ZMBH that focus on differentiation, molecular neurobiology and cell biology, and molecular mechanisms of pathogenicity. Collaboration with the research groups of the ZMBH as well as participation in the re-search programs sponsored by the Deutsche Forschungsgemeinschaft (SFB) will be expected. The position also entails participation in the teaching program of the faculty for biology

The ZMBH presently houses 15 independent research groups and offers an excellent research environment including central facilities for DNA and peptide synthesis, microsequencing of proteins, animal facility (transgenic animals), and centralized administration and technical services.

Applications should be received by: Director of the ZMBH, Prof. Dr. Bernhard Dobberstein, Im Neuenheimer Feld 282, 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 biological literature. Must have knowledge of statistical applications. Ph.D. required. Salary commensurate with qualifications and experience. Available August 16, 1996. Send letter describing teaching and research interest, curriculum vitae, official transcripts, and three recommendation letters to: Personnel/Physiology Search Committee, Station 21, Eastern New Mexico University, Portales, NM 88130. Screening will begin March 25, 1996 and continue until position is filled. *Afir*mative Action/Equal Opportunity/Title Nine Employer

POSITIONS OPEN

JOHNS HOPKINS UNIVERSITY BIOMEDICAL ENGINEERING

The Department of Biomedical Engineering at the Johns Hopkins University invites applications for a ten-ured or tenure-track FACULTY POSITION. The successful candidate must be able to establish an independently funded research program that builds on or complements existing research programs. The candidate will also participate in the teaching of undergraduate and graduate students. For more information on our department see: http://www.bme.jhu.edu. Interested applicants should send their curriculum vitae

and names of three referees to:

Dr. Murray B. Sachs Faculty Search Department of Biomedical Engineering 710 Traylor Building 720 Rutland Avenue Baltimore, MD 21205

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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 chemistry. An outstanding teacher-scholar's research interests should complement those of the current tenured faculty. The position is expected to be filled for the academic year 1996-1997.

Applicants should submit curriculum vitae and a list of publications to: Donald M. Crothers, Chair, Senior Bio-Inorganic Search Committee, Department of Chemistry, Yale University, 225 Prospect Street, New Haven, CT 06520-8107 by April 15, 1996. Yale University is an Equal Opportunity/Affirmative Action Employer.

The Department of Pathology of the University of California, San Diego (UCSD) seeks an ASSOCIATE DI-RECTOR of the Clinical Microbiology Laboratory at UCSD Medical Center. The Associate Director will be expected to share in clinical service, teach 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. Applicants must be eligible for medical licensure in California and should have documented training in Clinical Micro-biology and/or Infectious Diseases. Academic rank (assistant or associate professor) will be dependent upon achievements and experience, and salary will be consistent with established University payscales. Curriculum vitae and names of three references should be sent to: Sharon L. Reed, M.D., Chair of the Microbiology Search Committee, University of California, San Diego, Department of Pathology, UCSD Medical Center, 200 West Arbor Drive, San Diego, CA 92103-8416. Ap-plications 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 our hemoglobin group. Appointment will be at the rank of **RESEARCH ASSISTANT PROFESSOR**. Requirements include a Ph.D. and substantial experience in transgenic animal methodology, gene "knock-out" techniques, hematopoietic progenitor cell culture, and animal marrow transplantation. Contact: George R. Honig, M.D., Ph.D., Professor and Head, Department of Pediatrics (m/c 856), 840 South Wood Street, Chicago, IL 60612. The University of Illinois is an Affirmative Action/Equal Opportunity Employer

SABA UNIVERSITY SCHOOL OF MEDICINE

Immediate opening: Three positions (Genetics, Phar-macology, Neuroscience) for Ph.D. FACULTY who wish to teach and complete their M.D. Stipend of \$1000 U.S., per month, plus complete tuition package. Saba is a peaceful, crime-free, Dutch Caribbean island near St. Maarten. For more information call or write: Dr. David Fredrick, 2421 West Pratt Boulevard, Suite 444, Chicago, IL 60645. Telephone: 508-630-5122.

POSITIONS OPEN

UNIVERSITY OF PENNSYLVANIA MEDICAL SCHOOL Department of Pharmacology and

The Center for Neurobiology and Behavior

The Center for Neurobiology and Behavior and the Department of Pharmacology are recruiting a senior level, tenure-track faculty member to add strength in behavioral and molecular pharmacology at the Penn Medical School. Candidates must have M.D./Ph.D. or Ph.D. in neurobiology or pharmacology, and they must have an established research program. Candidates should be employing cellular and molecular biological techniques to study changes in behavior induced by stress and/or pharmacological manipulation. Arcas of interest might include: regulation of neurotransmitter receptors, control of the hypothalamic-pituitary axis, and the effect of stress or drug abuse on neurotransmission.

The Center is interdisciplinary and is an integral part of the Institute for Neuroscience, complementing and extending the programs of the Departments of Neuroscience, Pharmacology, and Psychiatry with an integrated systems approach to mammalian and human behavior. Renovated laboratory space and generous start-up

funds are available. This position is a tenured one. Applicants should submit a cover letter, a curriculum

vitae, selected reprints or preprints, a statement of re-search interests, and three letters of recommendation to:

Chairman's Office Department of Pharmacology Medical School of the University of Pennsylvania Philadelphia, PA 19104-6084

The University of Pennsylvania is an Equal Opportunity/ Affirmative Action Employer. Applications from women and minorities are especially encouraged.

ENDOWED CHAIR IN SOIL 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 a distinguished **ENDOWED CHAIR** in Soil 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, 2021 Coffey Road, 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 ionic basis of rhythmicity in smooth muscles, neural regulation of smooth muscles, endothelium-dependent regulation of vascular smooth muscles, ionic mechanisms in cardiac muscles, and development of excitation and contraction mechanisms in smooth and cardi-ac muscles. 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 INSTRUC-TOR positions open in biology and math; and two each in chemistry and physics. Minimum qualifications include a valid California community college instructor credential or Master's degree in the subject or equivalent. DVC is a suburban community college located 20 miles east of the Berkeley/Oakland area. Various deadlines this spring. For applications, Telephone: 510-685-1230, ext. 1929.

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.



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 a 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: MAS, 542 Flynn Road, Camarillo, CA 83012, Attn: Human Resources.

> We are an Equal Opportunity Employer

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 *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.

Isic 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.



POSITIONS OPEN

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 at the rank of ASSOCIATE PROFES-SOR or PROFESSOR (depending upon qualifications). Applicants should be experienced in laboratory or clinical research. Responsibilities include a leadership role in an organ-specific tumor group and Section Head of Hematology-Oncology at the VA Medical Center. Candidates with an interest in prostate cancer, lung cancer or colorectal cancer are particularly welcome. Applications will be accepted through mid-April or until a suitable candidate is identified. Contact: James P. Kushner, M.D., Chief, Hematology-Oncology, University of Utah School of Medicine, 50 North Medical Drive, Salt Lake City, UT 84132. The University of Utah is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

ASSISTANT or ASSOCIATE PROFESSOR: Applications are invited for a tenure-track position in the Department of Biology at Lake Superior State University. This is a half-time undergraduate teaching position with other faculty duties. The other half time is fisheries research and supervision of the university coldwater fish hatchery and Aquatic Research Laboratory.

Qualifications: Applicants should have a Ph.D. in fisheries biology, interest and excellence in undergraduate teaching and advisement, ability to lead students in undergraduate research and to write grant proposals, and experience in culture of coldwater fishes.

Complete applications consist of letter of application addressing the above qualifications, curriculum vitae, unofficial transcripts and three letters of reference. Only complete applications will be considered. Application materials should be sent to: Fisheries Search, Office of Employee Relations, Lake Superior State University, Administration Building, Sault Ste. Marie, MI 49783. FAX: 906-635-2111.

Review of applications will begin March 22, 1996, and will continue until the position is filled.

An Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITIONS Genetics and Molecular Biology Harvard

Available immediately to study the mechanism, genetic control and inducibility of genome rearrangements (homologous to illegitimate recombination) in yeast, human cells, and transgenic mice (*Science*, **266**:1573, *Nature*, **337**: **285**, *PNAS*, **88**:7585). Molecular biology experience, microbiology or cell culture or mouse breeding experience required. Please send curriculum vitae to: **Dr. Robert H. Schiestl, Department of Molecular and Cellular Toxicology, Harvard School of Public Health**, **665 Huntington Avenue, Boston, MA 02115**.

UNIVERSITY OF FLORIDA

POSTDOCTORAL ASSOCIATE position available now for application of biophysical techniques to the study of actin polymerization in motile cells. Projects are available for studying pharmacological agents that affect the actin cytoskeleton or for studying the regulation of actin polymerization by actin-binding proteins. The laboratory is equipped with facilities for time-dependent fluorescence spectroscopy and analytical ultracentrifugation. Reply with curriculum vitae and the names of three references to: Dr. Michael Bubb, Department of Medicine, Box 100277 JHMHC, Gainesville, FL 32610. Email: bubb@icbr.ifas.ufl.edu by April 15, 1996. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION Yale University School of Medicine

A position is available to study the structure and function of two classes of small RNA-protein complexes in eukaryotic cells, the Ro and La RNPs (see *Genes & Dev.* 8:2891–2903; *Mol. Cell Biol.* 14:5412–5424; *J. Cell Biol.* 129:1181–1193). Please send a curriculum vitae, a brief summary of research experience, and the names of three references to: Dr. Sandra Wolin, Department of Cell Biology and Howard Hughes Medical Institute, Yale University School of Medicine, 295 Congress Avenue, New Haven, CT 06536. *An Equal Opportunity/ Affimative Action Employer.*

POSITIONS OPEN

POSTDOCTORAL POSITIONS The Cancer Institute of New Jersey UMDNJ-Robert Wood Johnson Medical School

POSTDOCTORAL POSITIONS available immediately to study molecular mechanisms of drug resistance, molecular and cellular analysis of signal transduction, regulation of DNA repair in cisplatin resistant genetic mutants, and function and regulation of expression of multidrug resistance gene. Applicants should be highly motivated with strong background in biochemistry/molecular biology and conduct independent research. Send curriculum vitae and names of three references to: Dr. Khew-Voon Chin, The Cancer Institute of New Jersey, CABM/Room 237, 679 Hoes Lane, Piscataway, NJ 08854. Telephone: 908-235-5821; FAX: 908-235-5475; Email: chin@mbcl.rutgers.edu. UMDNJ is an Affininative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION to study GTPaseactivating proteins (GAPs) for heterotrimeric G proteins: identification of new GAPs, their mechanisms of action and signaling functions. Candidates should be experienced in either protein purification, enzymology or molecular cloning. Send curriculum vitae, brief statement of interests, and names of two to three referees to: Elliott M. Ross, Department of Pharmacology, University of Texas Southwestern Medical Center, 5323 Harry Hines Boulevard, Dallas, TX 75235-9041. Email: ross@utsw.swmed.edu. University of Texas Southwestern is an Equal Opportunity Institution.

POSTDOCTORAL POSITION

Searching for an individual with a Ph.D. degree in biochemistry and with expertise in protein chemistry, metallothionein, cytokines and oxidative stress in neurons in culture. Send curriculum vitae and three letters of recommendation to: M. E. Ebadi, Ph.D., Department of Pharmacology, University of Nebraska Medical Center, 600 South 42nd Street, Omaha, NE 68198-6260. FAX: 402-559-7495. The University of Nebraska Medical Center is an Equal Opportunity/Affinnative Action Employer.

POSTDOCTORAL POSITION IMMUNOLOGY University of Pennsylvania

Position available in laboratory studying T cell immunobiology with focus on costinulatory molecules and immune responses. A background in molecular biology and immunology is desirable. Please send curriculum vitac including names of three references to: Laurence Turka, University of Pennsylvania, Room 409 BRB-1, 422 Curie Boulevard, Philadelphia, PA 19104-6100. FAX: 215-573-8606.

A POSTDOCTORAL FELLOWSHIP in crystallography is available immediately to study proteins involved in cell cycle regulation. Applicants should have experience in protein purification and macromolecular crystallography. Please send curriculum vitae and names of three references to: Dr. Ravi Basavappa, Department of Biophysics, University of Rochester Medical Center, 601 Elmwood Avenue, Rochester, NY 14642. Email: ravi@ganaka.biophysics.rochester.edu. The University of Rodtester is an Affinative Action/Equal Opportunity Employer.

Challenging POSTDOCTORAL FELLOWSHIP position is available to study the genetics of vesicoureteral reflux (VUR). Renal injury associated with VUR is a leading cause of severe hypertension during childhood and adolescence and of chronic renal failure in patients less than 30 years of age. The hereditary and familial predilec-tion of VUR is well established. We are currently searching for a key individual to join our interdisciplinary molecular medicine group to spearhead the mapping of this disorder and to bring the latest in gene identification candidate will have a Ph.D. in molecular genetics and experience in familial linkage analysis. Preference will be given to individuals with expertise in positional gene cloning and large scale mutagenesis screening methods. The candidate must be able to work independently but cooperatively as a member of a diverse academic medical unit consisting of researchers from seven departments. Position available until filled. Salary commensurate with education and experience. Send résumé to: Garth D. Ehrlich, Ph.D. Head Search Committee, 737 Scaife Hall, Department of Pathology, University of Pittsburgh, Pittsburgh, PA 15261. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION DNA REPAIR/TOPOISOMERASES

Available immediately to study a novel eukaryotic activity that liberates DNA from covalent association with Type 1 topoisomerases. Experience in molecular biology, enzyme biochemistry, and/or yeast genetics strongly preferred. Applicants must have less than five years of postdoctoral training. U.S. citizenship not required. Send curriculum vitae and the names of three references to: Dr. Howard A. Nash, Laboratory of Molecular Biology, Building 36, Room 1B08, NIMH, National Institutes of Health, Bethesda, MD 20892-4034. FAX: 301-402-0245; Email: NASH@CDDON.NIH.GOV. National Institutes of Health is an Equal Oppermuity Employer.

One competitive **POSTDOCTORAL POSITION** in cancer biology at the University of Wisconsin, Department of Human Oncology/UW Comprehensive Cancer Center is available for a highly qualified *U.S. diten* with research interests in cancer genetics (oncogenes, suppressor and modifier genes), cell and molecular biology, immunology, signal transduction, transcription regulation or molecular pharmacology. Applicants must be recent recipients of their Ph.D. (or equivalent), or the Ph.D. must be awarded by May 1, 1996. Application deadline is April 1, 1996 and the position must be filled by May 1, 1996. For information about the research faculty and for applications, contact: Peggy Ziebarth, Telephone: 608-263-5342; Email: humcabio.macc.wisc.edu.

POSTDOCTORAL POSITION Molecular Oncology Program

POSTDOCTORAL POSITION to study mechanisms of apoptosis and growth regulation in manimalian cells is available at the Fox Chase Cancer Center under **Dr. Gary D. Kruh, M.D., Ph.D.** Background in yeast genetics and/or molecular biology desirable. Please submit curriculum vitae with two letters of reference to: **Dr. Gary D. Kruh, M.D., Ph.D., c/o Human Resources Department, Fox Chase Cancer Center,** 7701 **Burholme Avenue, Philadelphia, PA 19111.** Equal Opportunity Employer.

POSTDOCTORAL POSITION

Multidisciplinary research program addressing role of signal transduction to actin and actin-related proteins in cell and organ function. Projects available employing cell biological, biochemical, or molecular genetic (including transgenic) technology. Inquire: Brigham and Women's Hospital, Experimental Medicine Division, (affiliate of Harvard Medical School), 221 Longwood Avenue, Boston, MA 02115. Women and minority candidates are encouraged to apply. Brigham and Women's Hospital is an Equal Opportunity/Affimative Action Employer.

POSTDOCTORAL POSITION is available to study the regulation of expression of genes in the manumalian epididymis. Applicants should have previous experience in basic molecular techniques. U.S. *aitzenship or permanent residency required*. Please submit curriculum vitae and names of three references to: **Barry T. Hinton**, **Ph.D.**, **Department of Cell Biology**, **University of Virginia Health Sciences Center**, **Charlottesville**, **VA 22908**. *The University of Virginia is an Equal Opportunity/Affirmative Action Employer*.

A POSTDOCTORAL POSITION is available to study the molecular genetics of molecular motors, using the mouse as a model system. McLaughlin Research Institute consists of highly interactive research groups housed in a new building with state-of-the-art transgenic and gene targeting facilities. Send curriculum vitae and names of three references to: Dr. John A. Mercer, McLaughlin Research Institute, 1520 23rd Street South, Great Falls, MT 59405. Email: umbjm@ gemini.oscs.montana.edu. An Equal Opportunity/Affinnative Action Employer.

YALE SCHOOL OF MEDICINE

NIH POSTDOCTORAL RESEARCH FELLOW-SHIP 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, a summary of relevant experience, and the names of three references to: Robert Sherwin, M.D., Endocrine Section, Yale School of Medicine, Box 208020, Fitkin I, New Haven, CT 06520-8020. U.S. citizenship or permanent residency required. An Equal Opportunity Employer. Research

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 pack-

age including paid relocation to the Washington D.C. area. Please send resume in confidence to NRC, NAS 343-PG, 2101 Constitution Avenue, N.W., Washington, D.C. 20418. EOE.





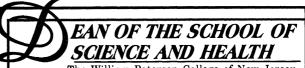
Prokaryotic Molecular Biology

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 responsiblilities 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 Committe Department of Microbiology University of Pennsylvania 1033 Blockley Hall 418 Guardian Drive Philadelphia, PA 19104-6021

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER



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 degrees 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-theart 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)



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

WILLIAM PATERSON

POSITIONS OPEN

POSTDOCTORAL OPPORTUNITIES IN STRUCTURAL BIOLOGY The Rockefeller University

Two POSTDOCTORIAL POSITIONS are available to explore macromolecular interactions in transcriptional regulation of development and in apoptosis. Individuals with a multidisciplinary background in either mo lecular biology, protein chemistry, multi-nuclear NMR spectroscopy, or any combination of these are strongly encouraged to apply. There are state-of-the-art facilities for research in structural biology, molecular biology, and biochemistry, including 500Mhz and 600 Mhz spectrom-eters equipped for modern multi-nuclear NMR. Additional information can be obtained by: Telephone: 301-496-2815; FAX: 301-496-0825; Email: mwerner@speck. niddk.nih.gov. Interested parties should send their curriculum vitae, summary of present and future research interests, copies of recent publications, and three letters of recommendation to: Milton H. Werner, Ph.D., c/o Ms. 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 emphases in chemical carcinogenesis, environmental and neurotoxicology, immunotoxicology, drug disposition, and gene regulation. Two **POSTDOCTORAL RESEARCH POSITIONS** are available for 1996 and 1997 and are funded by an NIEHS Training Grant. Postdoctoral applicants *must be cirizens or permanent residents of the United States*. Applications should be submitted by 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, Lexington, KY 40536-0305. The** *University of Kentucky is an Equal Opperunity/Affinative Aetion 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 transgenics laboratory. ES cell experience and a willingness to work overtime are essential. AALAS certification is preferred but not required.

To apply, please send your résumé and salary history to: Recruitment Division, Box ESLAB, 1524 Cloverfield Boulevard, Suite G, Santa Monica, CA 90404. Principals only.

Equal Opportunity Employer

POSTDOCTORAL OR STAFF RESEARCHER EXPERIMENTAL CHEMICAL PHYSICS

Experimental quantum control of chemical dynamics with femtosecond lasers. Close interaction among experimentalists and analytical and numerical theorists. Looking for exceptionally able experimentalist; strong laser background desirable. Salary \$27,420 plus (POSTDOC-TORAL), \$43,800 plus (RESEARCHER, with exceptional experience). For description of current group activities and personnel see World Wide Web site, http:// www-wilson.ucsd.edu or Email: wilsjob@ucsd.edu. Please send curriculum vitae, statement of research interests and goals, and one letter of recommendation to: Prof. Kent R. Wilson, Department of Chemistry 0339, University of California, San Diego, La Jolla, CA 92093-0339. .4finative Action/Equal Opportunity Employer.

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. Embo, 15(5), March 1, 1996). An M.D./Ph.D. plus a strong background in molecular and cellular biology are required. Send or Email curriculum vitae, summary of research experience, and names of three references to: Dr. John Krolewski, Department of Pathology, Columbia University, 630 West 168th Street, New York, NY 10032. Email: jjks@columbia.cdu. Columbia University is an Equal Opportunity/Affinantive Action Employer.

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIPS

The newly established Cancer and Developmental Biology Laboratory (CDBL), under the leadership of Colin L. Stewart at the ABL-Basic Research Program, has several **POSTDOC-TORAL FELLOWSHIPS** immediately available. The Laboratory has two major areas of interest: 1) the role of growth factors in early mamnalian development, and 2) the phenomena of genomic imprinting and its contribution to mammalian development. We seek motivated individuals with research experience in, but not limited to, cell and molecular biology, ES cell culture, embryo manipulation, and gene targeting. The ABL-Basic Research program is in Fred-

The ABL-Basic Research program is in Frederick, Maryland (45 miles north of Washington, DC) and offers a full complement of benefits, competitive postdoctoral stipends, and an excellent 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 CDB**, ABL-Basic Research Program, NCI-Frederick Cancer Research and Development Center, P.O. Box B, Building 428, Frederick, MD 21702-1201. Equal Opportunity Employer/Minorities/Fenales/Disabled/Vetenans.

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, to conduct ophthalmic laser research and to develop novel techniques for optical tomography and laser surgery. Potential candidates should have a 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. Puliafito, 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 molecular biology and protein chemistry required. Experience in the use of *in vino* transcription/translation systems is desirable. Qualified candidates should send a cover letter, curriculum vitae, and three letters of reference to: Dr. John S. Oliver, Chemistry Department, Brown University, Providence, RI 02912 before March 30, 1996. Email: John_Oliver@ Brown.edu. Brown University is an Affinative 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 signalling pathways, and study their role 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 reprints to: John Varga, M.D., Chief, Section of Rheumatology, University of Illinois at Chicago, M/C 733, 900 South Ashland Avenue, 1158 MBRB, Chicago, IL 60607-7171.

POSTDOCTORAL RESEARCH ASSOCIATE: Two positions are available immediately for studies of neurochemical basis of the behavioral effects of low-level exposure to lead. A Ph.D. degree is required with a strong background in neuropharmacology/neurotoxicology/ neurobiology. Salary is negotiable based upon experience. Please send curriculum vitae and three letters of reference to: Dr. Arun L. Jadhav, Department of Pharmaccuticals, Texas Southern University, 3100 Cleburne, Gray Hall, Room 129, Houston, TX 77004.

POSITIONS OPEN

POSTDOCTORAL AND PREDOCTORAL RESEARCH POSITIONS IN BREAST CANCER

The University of New Mexico (UNM) College of Pharmacy Toxicology Program has two immediate openings for a **POSTDOCTORAL** and a **PREDOCTORAL** in the laboratory of **Scott W. Burchiel**, **Ph.D.** in the area of breast epithelial cell signaling by environmental agents. Applicants for the postdoctoral position must have a Ph.D. in a toxicology-related discipline with one year of experience and by June 30, 1996 should send résumés with a cover letter including an original signature, referencing Job Req. No. 96-0524B, to: **UNMHSC Human Resources, Medical Building 2, Room 101, Albuquerque, NM 87131.** The predoctoral position is not a staff position and would be for a graduate student attending UNM. Individuals interested in this position should contact: **Dr. Burchiel, Telephone: 505-277-6749; Email: burchiel@unm.cdu.** *Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL RESEARCH POSITION available innmediately to study the use of peptides as ligands for the large-scale affinity chromatography of proteins 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 clution conditions necessary to obtain pure therapeutic proteins in a GMP environment. Doctoral degree in biochemistry, chemistry, biotechnology, or biochemical engineering with prior experience in affinity chromatography of proteins, HPLC, and peptide synthesis is desirable. Salary: 530,000 per year, position renewable on a yearly basis. Send curriculum vitae and three letters of recommendation to: Professor Ruben G. Carbonell, Department of Chemical Engineering, North Carolina State University, P.O. Box 7905, 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 non-human vertebra is essential. The candidate should also have experience in teaching molecular biology to medical 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

Box 212 Charlottesville, VA 22908 Attention: Personnel 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 recommendation to: Dr. George H. Jones, 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 influencing 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. Knowledge of prosthetic vascular grafts and previous experience in technical management a plus. Requires a Ph.D. with at least three years of postgraduate experience. Interested applicants may forward résumés to: **Organogenesis Inc., 150 Dan Road, Canton, MA 02021**. Breakthrough technology to create highly miniaturized arrays of DNA, with thousands of probes in a square centimeter. Affymetrix has made this technology a reality in Santa Clara, CA today, through an interdisciplinary team of scientists and engineers who have brought together the state-of-the-art in biochemistry and the tools of semiconductor synthesis. You can help revolutionize the future of biomedical research, diagnostics and healthcare by joining some of the best minds in biotechnology, at Affymetrix.

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.

POSTDOCTORAL FELLOW

You will work on the development of an optimized highspeed, 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 electrophorectic 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 florescence-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.



BE PART OF THE NEW VA DIRECTOR MEDICAL RESEARCH SERVICE

The Department of Veterans Affairs (VA) invites applications for the position of Director, Medical Research Service. Currently, the Medical Research Service manages an appropriated budget of approximately \$200 million and supports the biomedical research of more than 2,000 VA scientists, more than 70% of whom are physicians. In addition, VA scientists receive more than \$275 million in research support from extra-VA sources, such as the National Institutes of Health.

VA's research program is strongly committed to support of patient-oriented research across the entire spectrum from basic science to clinical applications of knowledge. The incumbent is responsible for policy development, and the management of peer review of all investigator-initiated medical research studies. He/she will have overall responsibility for the managerial and scientific aspects of the medical research programs of VA. The individual selected will play a critical role in the organizational restructuring of this program.

Applicants must be U.S. citizens, have both strong scientific and managerial backgrounds, and be a physician or dentist or hold a Ph.D. Salary is \$79,684-\$98,960 for non-clinicians, \$127,514-\$164,718 for physicians, and \$106,014-\$110,014 for dentists.

If qualified, please send your curriculum vitae to:

Department of Veterans Affairs Management Support Office (163B) 810 Vermont Avenue, NW Washington, DC 20420

Applications must be received no later than March 29, 1996.

The Department of Veterans Affairs is an Equal Opportunity Employer

CHAIR DEPARTMENT OF NEUROBIOLOGY UNIVERSITY OF PITTSBURGH SCHOOL OF MEDICINE

Nominations and applications are requested for a chairperson to lead the growth and development of the Department of Neurobiology in the School of Medicine. The department occupies new research space. The ideal candidate will hold an advanced degree (Ph.D., M.D. or both) and will have a vigorous research program at the molecular and cellular level, with demonstrated leadership ability in fostering faculty development and graduate and medical student education, and bridging basic and clinical sciences. We are particularly interested in further promoting the area of developmental neurobiology, although candidates actively researching other areas of neurobiology will be considered. The new chairperson will be responsible for faculty recruitment and for interfacing the department with various University of Pittsburgh Medical Center departments, institutes and centers. This twelvemonth tenured professor position will have a salary commensurate with the experience of the individual and can be occupied as soon as possible. To ensure full consideration, applications should be received by April 1, 1996.

Interested persons should submit a letter of intent and curriculum vitae to Dr. Raymond A. Frizzell, Chairman of the Search Committee, Department of Cell Biology and Physiology, 814 Scaife Hall, University of Pittsburgh School of Medicine, Pittsburgh, PA 15261 (412-648-9362).

Women and minorities are encouraged to apply. The University of Pittsburgh is an equal opportunity/affirmative action employer.

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 applicants 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 graduatelevel 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

Dr. 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.

UNIVERSITY OF CALIFORNIA AT BERKELEY ASSISTANT FOREST MANAGER

Position: Assistant Forest Manager, Blodgett Forest Research Station (BFRS), Georgetown, CA. The BFRS is a 3,000 acre research facility administered by the College of Natural Resources of the University of California, Berkeley, MS or MF in Forestry or closely related field, **Qualifications:** experience in applied silviculture and forest management in (or applicable to) Sierra-Nevada Mixed-Conifer vegetation type, practical experience with wildland fire, geographical information systems, and computerized databases and forest inventories. Must be licensed as Registered Professional Forester in California, or able to complete licensing examination within six months. Must be capable of sustained outdoor physical labor in all seasons. Excellent verbal and written communication skills required. Application: Send letter of intent, resume, list of three references, and other supporting documents, e.g., publications or professional papers, by April 1, 1996 to: Forest Manager, University of California Dept. of Environmental Science, Policy & Mgmt. 4501 Blodgett Forest Road Georgetown, CA 95634 For more information and a full position description, call (916) 233-4475. Twelve-month appointment with the possibility Terms: of annual renewal, beginning July 1, 1996. Annual salary range is \$40,200 to \$48,408.

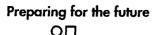
The University of California is an Equal Opportunity/Affirmative Action Employer

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 JN-301, Ciba Pharmaceuticals Division, 556 Morris Avenue, Summit, New Jersey 07901.** We are an equal opportunity employer *M*/F/D/V.



The Science of Agricultural Genetics

RESEARCH ASSOCIATE Amino Acid Metabolism (Job #GT-601)

The successful candidate will interact in a team environment focusing on plant intermediary metabolism. Skills in a variety of disciplines are required, including hands-on experience in recombinant DNA techniques (e.g., gene isolation, vector construction, PCR) and protein isolation and purification methods. Knowledge/experience in plant metabolism and physiology is a plus. The individual should be highly motivated, able to work with relatively little supervision, be efficient at problem solving, and be able to communicate effectively. BS or MS in molecular biology, biochemistry or related field with a minimum of 3 years relevant bench experience.

We offer competitive salaries and excellent, comprehensive benefits such as 401(k), tuition and relocation reimbursement. Des Moines is a prospering heartland city that ranks well above the national averages in affordability and education. Our location provides a mix of beautiful open spaces and city life advantages. For confidential consideration send 3 copies of your resume and cover letter indicating job number by March 22, 1996 to: Pioneer Hi-Bred International, Inc., Attn: PERSONNEL (Job #GT-601), P.O. Box 1004, Johnston, IA 50131-1004.

Pioneer Hi-Bred International, Inc., is the world leader in agricultural genetics. Founded in 1926, we are a publicly held company that invests more than \$115 million in research and product development. Pioneer® brand products are grown in almost every cropproducing continent in the world. At our headquarters in Des Moines Iowa we're adding to our Research team



INTERNATIONAL, INC. An Equal Opportunity

Employer

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)



Synaptic Pharmaceutical Corporation offers excellent compensation and benefits that include a 401(k) plan and equity participation programs. For consideration, indicate to which position you are responding by Dept. #, and send resume in confidence to: H. R. Manager, Synaptic Pharmaceutical Corp. 215 College Road., Paramus, New Jersey 07652.

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.

> SB SmithKline Beecham Pharmaceuticals

Challenging the natural limits.

Why Join GENEMEDICINE?

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.

DIRECTOR CHILDREN'S RESEARCH CENTER OF MICHIGAN

GestMiller

Applications and nominations are invited for a newly created position responsible for the overall planning, development, and coordination of pediatric research activities at Children's Hospital of Michigan, Wayne State University School of Medicine and the Detroit Medical Center. We are seeking a scientist with research achievement to provide leadership for the development of a multidisciplinary, interinstitutional research program attractive to funding opportunities from both the private and public sectors. The successful candidate should have an M.D. or Ph.D., administrative and leadership ability, experience working in an interdisciplinary setting, and qualifications appropriate for appointment to a tenured fac-ulty position. Send nominations and applications, including a curriculum vitae, to: Thomas Slovis, M.D., Chairman, CRCM Search Committee, Children's Hospital of Michigan, 3901 Beaubien, Detroit, MI 48201. Telephone (313) 745-0094 Fax: (313) 993-0393. Wayne State University/ Detroit Medical Center is an equal opportunity/affirmative action employer.

> Wayne State University DMC Children's Hospital of Michigan

Aeiveos Corporation

Aciveos 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/Gerontologists to address basic molecular mechanisms of aging as part of a multidisciplinary team. Requires a PhD. 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.

Biocomputing Manger/Specialist to join our biocomputing group that will develop custom sequencing and genome informatics software.

For further information, visit our Internet site at http://www.aeiveos.com/. Qualified candidates should send a CV and names and contact information of three reference to: Aeiveos Corporation, Attn: Applicants, P.O. Box 31083, Seattle, WA 98103-1083.

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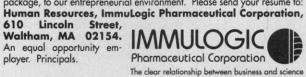
organization, ImmuLogic is making its presence felt in the biophar-

organization, ImmuLogic is making its presence telt in the biophar-maceutical community. Through a series of strategic moves, we've strengthened and streamlined our organization. We've formed solid relation-ships with Hoechst Marion Roussel, Inc. for the joint development and commercialization of ALLERVAX[®] products and Schering AG, Germany to develop and market a peptide based multiple sclerosis product. Above all, we've successfully brought the first two products in our ALLERVAX[®] family of allergy therapeutics to late stage clinical programs. Watch for updates, and more excit-ing career opportunities as we build on our momentum and move closer to commercialization. commercialization.

Scientist Position Available

The successful candidate will join a creative and enthusiastic research department engaged in cutting edge research on immunologically-based diseases and therapies. Current research efforts are directed toward allergy, autoimmune disease and drug abuse therapy. Requires a Ph.D. in immunology or related field with a minimum of 2 years' post-doctoral experience and a strong publication record. Strong background in cellular immunology preferred, molecular biology experience is a plus. Must be self motivated and willing to work in a team environment. Some supervisory experience is preferred.

As part of our growing team, you'll enjoy a wide array of professional and personal advantages — from our competitive salary, equity and benefits package, to our entrepreneurial environment. Please send your resume to:



Pfizer, a Fortune 100 company, one of the largest pharmaceutical companies in the world and a multi-billion dollar industry leader, can offer you a world of challenge, opportunity and achievement where you can make a significant contribution to the research & development of exciting new products.

SCIENTISTS. **NEW LEAD DISCOVERY**

Three opportunities are available for Creative Scientists to develop and run a variety of high-throughput assays and pursue leads in second messenger and other functional systems. Each will also supervise 2-3 assistants, work closely with Pfizer chemists and biologists, and interact with outside clients. One position requires a Ph.D., postdoctoral experience in enzymology or molecular pharmacology, and expertise in enzyme assays and functional follow-up systems. The other positions require a Ph.D., postdoctoral experience in biochemistry or molecular pharmacology, and expertise in receptor binding assays, cell biology, and the

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maintenance and use of mammalian expression systems in molecular pharmacology. For all posi-tions, chemical literacy and experience with highthroughput assays are desirable.

To apply, forward your resume suitable for electronic scanning (i.e., eliminate italics, bullets, bolds, underlines and staples) to: Employee Resources, Ad #1079, Pfizer Inc, Central Research Division, Eastern Point Road, Groton, CT 06340.

Pfizer is committed to the principle of workforce diversity. An Equal Opportunity Employer M/F/D/V



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 bioanalytical 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.



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, 400/2413, P.O. Box 80400, Wilmington, DE 19880-0400. An equal opportunity employer M/F/D/V.





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.



Roche Vitamins & Fine Chemicals

A Member of the Roche Group



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.siumed.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.

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 wellfunded 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, 6900 North Loop 1604 West, San Antonio, Texas 78249–0663. The University of Texas at San Antonio is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

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.

 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 highquality 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 #180, Merck Research Laboratories, P.O. Box 2000, RY80-A3, Rahway, NJ 07065. EE0/AA/VH/Employer.



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 are 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 knowl-edgeable 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, RY80A-3, Rahway, NJ 07065.** E0E/AA/VH/Employer.



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. EE0/AA/VH/Employer.



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 the: Human Resources Department, Allelix Biopharmaceuticals Inc., 6850 Goreway Drive, Mississauga, Ontario, Canada L4V 1V7



Providing the infrastructure for scientists to conduct world-class research...

That's Schering-Plough

From molecules to medicines. At Schering-Plough, scientists are discovering and developing the novel therapeutics that challenge mankind's most debilitating diseases. To continue this important work, we seek talented scientists with knowledge and dedication.

SCIENTIST Antiviral Drug Discovery & Protein Chemistry

Join a team of scientists focused on research in Hepatitis C virus and antiviral drug discovery. To qualify, you will need to be a highly organized self-starter with a BS or MS degree and at least 5-10 years of related experience. Expertise in molecular biology is essential including protein expression systems, site directed mutagenesis, DNA sequencing and gene expression analysis. Background should include training in protein purification with experience in standard low pressure chromatography medias, FPLC and HPLC analysis. Familiarity with enzyme kinetics, cell culture, baculovirus expression and virology is an asset. The ability to work both independently and as an effective team member is critical. To be considered for this position, please respond to: Human Resources-DS, Dept. DD-96-01.

ASSOCIATE SCIENTIST Tumor Biology

We seek a talented biologist to join a team of professional scientists involved in ongoing tumor biology studies. To qualify, you will need a BS in Biology or a related discipline and 4-7 years of experience or an MS and 2-4 years of experience. Background must include laboratory research experience using molecular biology techniques and cell/tissue culture. Hands-on experience conducting biochemical assays is highly desirable. Excellent organization and communi-cation skills are essential. To be considered for this position, please respond to Human Resources-BG, Dept. DD-96-09.

We offer an excellent compensation package including a competitive salary and comprehensive benefits. For prompt, confidential consideration, we invite you to forward a resume which MUST INCLUDE the Dept. Code for your position of interest and salary requirements to: Schering-Plough Research Institute, K-15/MS-#1255, 2015 Galloping Hill Road, Kenilworth, NJ 07033-0539. We are an equal opportunity employer. We regret we are unable to respond to each resume. Only those selected for an interview will be contacted.



Using Science For Human Advantage

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 ontogeny 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 20742-3711. 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@legs.gps.caltech.edu*. Alternatively, applications may be sent to **Professor Geoff Blake, Chair, Committee on Geobi**ology, **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

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

Assay Development

Ph.D. with 10 yrs experience in novel immunochemistry (antibody technology, epitope mapping, conjugates ...), immunoassay development (ELISA, RIA, FIA Flow cytometry) and high throughput screening of compounds especially combinatorial libraries. Experience in enzyme and robotics automation techniques are a distinct advantage. POS#04

Pharmacology

Ph.D. with 5-8 yrs experience in drug discovery/development in the areas of cardiovascular biology, inflammation and/or cancer research; models of preclincial efficacy and ability to integrate mechanistic studies to support clinical evaluation of new technologies. POS#05

Toxicology

Ph.D. with 5-8 yrs experience with expertise in drug safety, drug development and GLP studies supporting clinical evaluation of new technologies. Expertise in cellular (hematological), acute and chronic safety and regulatory filings essential. POS#06

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.

EASTMAN

APPLIED TOXICOLOGY position in the Product Safety & Regulatory Programs Division of Eastman Chemical Company, a growing international company. Participate in a team of life scientists who conduct risk characterizations and provide risk management recommendations for new and existing products, provide responses to customer inquiries, participate in hazard communication programs, manage toxicology testing and consultation programs, and represent the company in trade and scientific organizations, A Ph.D. or M.S. in toxicology or related fields and at least 3 years experience in domestic and international regulatory and applied toxicology are required. DABT certification and domestic and experimental or testing laboratory experience is desirable. Eastman Chemical Company has over 17,500 employees with plant sites in 5 states and 7 countries. Kingsport is located in the heart of the Blue Ridge and Smokey Mountains, allowing year-round outdoor activity. Send résumé to:

Eastman Chemical Company Attn: Employment—DH2 P.O. Box 1975 Kingsport, Tennessee 37662-5215



Join A World Leader

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 effective 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.

Roche Hoffmann-La Roche A Member of the Roche Group U.S. Department of Agriculture Agricultural Research Service



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.

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.



specializing in scientific and engineering services for the DoD and DoE, has immediate multidisciplinary research opportunities at its central NJ location. Research involves developing new classes of chemical/ biological microminiature detectors. The candidates must be Ph.D. graduates with experience in one or more of the following areas: protein dynamics, biomolecular modification/immobilization, surface biochemistry, biomatrix formulation, immunochemistry, biopolymers, or bacteria and viruses. 1-3 years of post-doctoral experience is preferred but not required. **GEO-CENTERS, INC.** offers competitive salaries and a comprehensive benefits package.

Interested parties should send a resume with salary history to: GEO-CENTERS INC., Attn: Code RS, 615 Hope Road, Bidg. #A, Eatontown, NJ 07724; or fax (908) 542-1494. An Equal Opportunity/ Affirmative Action Employer. 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, 196006th Street, Lakeview, CA 92567

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 censors, 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. JHL-09, SAIC, 1710 Goodridge Drive, McLean, VA 22102. EOE - We value cultural diversity in the workplace.



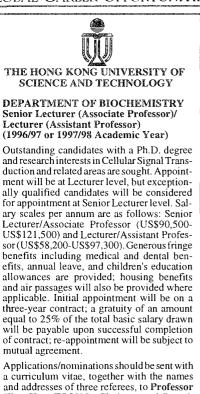
GLOBAL CAREER OPPORTUNITIES

National Institute for Discovery Science

Research Management (Multiple Positions)

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

GLOBAL CAREER OPPORTUNITIES



a curriculum vitae, together with the names and addresses of three referees, to Professor Tian Yow TSONG, Chairman of Search Committee, Department of Biochemistry, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong (Fax No.: +8522358-1552). The search will continue until suitable appointments have been made.

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:

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 for 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.

GLOBAL CAREER OPPORTUNITIES

Ruwait Foundation for the Advancement of Sciences مؤسسة الكويت للتقدر

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:

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

GLOBAL CAREER OPPORTUNITIES

UNIVERSITY COLLEGE LONDON MEDICAL SCHOOL Department of Epidemiology and Public Health **Biological Scientist**

Applications are invited for an exciting new post, that of Biological Scientist, to be attached to Professor Marmot's Research Group within the Department of Epidemiology, but also to be linked with the new Cruciform Project (Strategic Medical Research Institute) being developed by Professor Salvador Moncada at UCL.

The Department is at the forefront of research on the interaction of psychological and biological factors as explanations for socioeconomic differences in disease occurrence. Research has been primarily epidemiological to date, but we are increasingly interested in biological pathways. Possible avenues of research include the influence of psychosocial factors on neuro-endocrine pathways, and on fibrinogen and other haemostatic parameters. We now require a Biological Scientist to help take this research forward.

Candidates should have: a PhD or MD and appropriate postdoctoral experience in Neuroscience, Neuroendocrinology or Psychoneuroimmunology; excellent interpersonal and organisational skills; the capability of developing an independent area of research and leading a research team in the future. Appointment will be on the RAII/III or Lecturer/Senior Lecturer scale according to age and experience. Job descriptions available from Ms Catherine Conroy, UCLMS, Department of Epidemiology and Public Health, 1-19 Torrington Place, London WC1E 6BT or via E-mail (c.conroy@public.health.ucl.ac.uk). Applications consisting of a CV (including a telephone number and the names and addresses of 2 referees) to be submitted to Mr P. Phibbs. Closing date: 12 April 1996.

Working towards Equal Opportunity PURSUING EXCELLENCE IN EDUCATION AND RESEARCH

GLOBAL CAREER OPPORTUNITIES



WORLD HEALTH ORGANIZATION (WHO) International Agency for Research on Cancer (IARC)

IARC has an opening in its laboratories in Lyon, France, for the post of

Chief of the Unit of Environmental Carcinogenesis

The Unit studies mechanisms of carcinogenesis, formation of DNAprotein adducts and biomonitoring of exposures, with the aim of providing a scientific basis for cancer prevention. The new head is expected to focus on the interaction between genetic susceptibility and environmental exposures, in particular, chemical carcinogens and radiation, using genetically modified animals. This requires experience in and understanding of the use of appropriate animal model systems. He/she will interact and collaborate with both other Research Units in the Agency, and with scientists outside IARC. He/she will also be expected to attract external research funding.

Applicants should have an MD, PhD or equivalent in a field relevant to the Programme, an advanced knowledge of and substantial experience in molecular biology, including proven expertise in establishing, maintaining and using transgenic animal models, and a strong publication record in this area. Experience in collaboration at the international level is highly desirable.

The initial appointment will be for two years, the first being probationary.

The annual salary level is US\$ 45 413 tax free at single rate and US\$ 48 824 for a staff member with dependents plus a cost of living element which is currently 58.9% of the above figures.

Those interested should write, enclosing a curriculum vitae, to:

Personnel Office IARC 150, Cours Albert Thomas F-69372 Lyons Cedex 08 France Fax no: (33) 72 73 83 35

Applications from women are encouraged.

GLOBAL CAREER OPPORTUNITIES



EMBL Monterotondo Research Programme

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: +49 221 4702467 fax: +49 221 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)



EMBL European Bioinformatics Institute

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 biocomputing. 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.

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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.

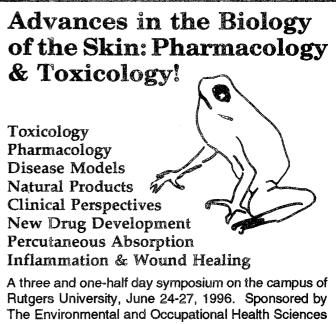
Ideal profile

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).



Rutgers University, June 24-27, 1996. Sponsored by The Environmental and Occupational Health Sciences Institute (EOHSI) at the University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School and Rutgers University. For information: **Diane E. Heck, Ph.D.** or Jeffrey D. Laskin, Ph.D., EOHSI, 681 Frelinghuysen Rd, Piscataway, NJ 08855 (908) 445-0219, FAX (908) 445-0119 or Howard Maibach M.D., UCSF (415) 673-3533, FAX (415) 673-9693. Registration and abstract forms: (908) 235-5062.

MEETINGS **CANCER RESEARCH INSTITUTE International Symposia Series** FRONTIERS IN CANCER IMMUNOLOGY 1993 **CANCER VACCINES 1994 ANTIBODIES & CANCER THERAPY 1995** CANCER VACCINES 1996 **Topics:** • Principles of Immune Recognition & Effector Functions Structural Identification & Characterization of Tumor Antigens • Monitoring Immune Responses to Tumor Antigens & Development of Cancer Vaccines OCTOBER 7, 8, 9, 1996 **New York City** For information contact Lynne Harmer at 212-688-7515, fax 212-832-9376, e-mail lharmcri@aol.com.

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The Feinberg Graduate School of the Weizmann Institute of Science announces the availability, from April 1996, of a limited number of

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Applications are reviewed twice a year, in early January and late May.

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BOSTON UNIVERSITY SCHOOL OF MEDICINE Departments of Pharmacology and Neurology

Applications are invited from accomplished junior scientists interested in the molecular and cellular 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/Affinnative 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, chemistry, 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, GC/MS, and HPLC, is required. Able to organize and interpret results for reports and publications. Computer and good oral and written communication skills are essential and some electronic experience is preferred. Position is NON-TENURE-TRACK 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 san Equal Opportunity/ Affirmative Action Employer.

ACADEMIC PATHOLOGIST

The Department of Pathology of the University of Illinois at Chicago has an immediate opening for an ACA-DEMIC 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. Manaligod, M.D., Ph.D., Department of Pathology (M/C 847), University of Illinois College of Medicine, 1819 West Polk Street, Chicago, IL 60612-7335. An Equal Opportunit/Affimative Action Employer.

POSITIONS OPEN

COMMUNICATIONS OFFICER

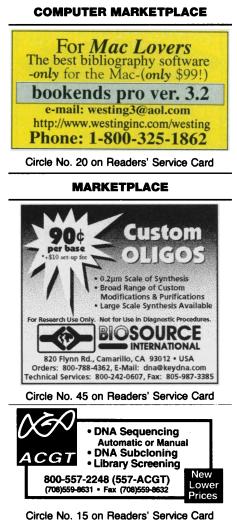
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MOLECULAR TECHNIQUES WORKSHOP June 24 to July 13, 1996

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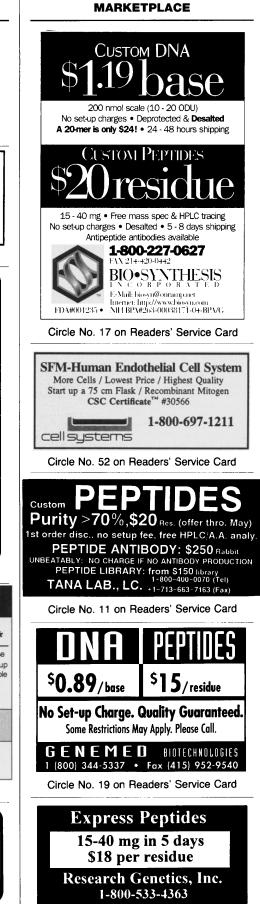


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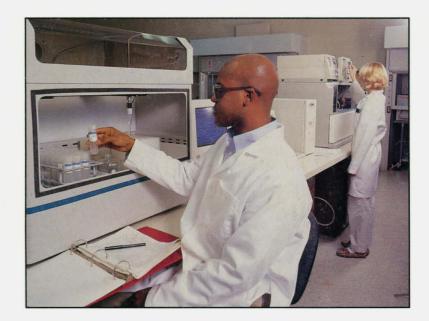
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