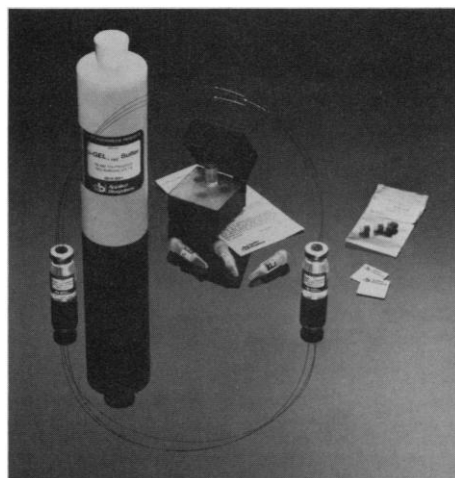


Products & Materials

Oligonucleotide Purity Check

The MICRO-GEL₁₀₀ Oligonucleotide Analysis Kit is for analyzing oligonucleotide purity. The kit's gel-filled capillaries, used with Applied Biosystems' capillary electrophoresis systems, now allow rapid and routine single-base resolution of virtually any



synthetic oligonucleotide produced. The manufacturer reports that the advantages of capillary electrophoresis over methods such as slab gels and high-performance liquid chromatography are that it is more convenient, results are obtained in real time, and extremely small sample amounts are needed. Applied Biosystems. Circle 497.

Molecular Size Detector

The dp-801 Detector automatically measures the diffusion coefficient and calculates the molecular size and weight of any large molecule in real time. In addition to its use in characterizing the molecular size of polymers, proteins, and other macromolecules, it can be used for determining molecular shapes and levels of branching, protein aggregation monitoring for crystallography and nuclear magnetic resonance sample

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.

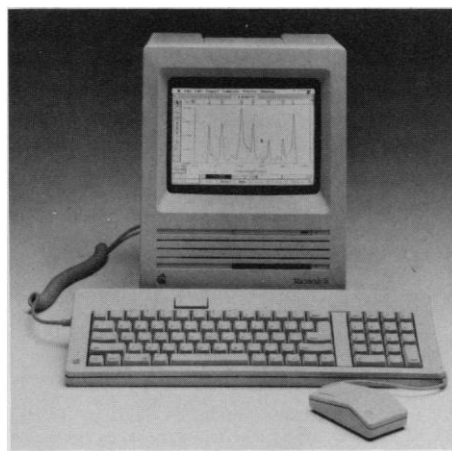
preparation, polymerization reaction monitoring, and polysaccharide and colloid stability analysis. The unit measures 170 mm by 350 mm by 300 mm and weighs 9.8 kg. Biotage. Circle 498.

Precipitation Carrier for DNA

ISS Promppt takes the place of yeast transfer RNA and glycogen as a precipitation carrier. Promppt is inert and will not affect further enzymatic modification and purification of the nucleic acids. The procedure for the precipitation of small quantities of DNA or RNA fragments greater than 20 bases is easy and straightforward. Integrated Separation Systems. Circle 499.

Densitometry Software for the Macintosh

The 1-D Analyst software for one-dimensional densitometric analysis offers a true Macintosh graphic interface. The software accepts high-resolution data from Bio-Rad's Model 620 CCD Densitometer and allows the user to perform powerful analysis operations easily and quickly. The software has



all the user-friendly Macintosh features. It requires a Macintosh Plus or higher level computer. Bio-Rad Laboratories. Circle 500.

Available Chemicals Directory

A new database called the Available Chemicals Directory (ACD) is designed to simplify the task of finding suppliers of chemicals. Users can search ACD using chemical name, Chemical Abstracts Service registry number, or chemical structure. They can also perform substructure searches

(searches for a compound in which a defined portion of a structure is embedded) or similarity searches (searches for a structurally similar compound) to identify analogs and alternatives in scale-up routines. ACD is supplied with a menu-driven ACD Search System to make it easy to locate chemicals and ordering information. Molecular Design Limited. Circle 501.

Bst Polymerase for DNA Sequencing

Bst polymerase is a DNA sequencing enzyme that can provide unambiguous results with all sequencing protocols. It is based on DNA polymerase I, large fragment, purified from the thermophilic bacterium *Bacillus stearothermophilus*. The polymerase can be used to sequence at elevated temperatures, which thereby reduces secondary structure and artifacts on the gel. Bio-Rad Laboratories. Circle 502.

Solid-Phase Peptide and Protein Reduction

Reduce-Imm Reducing Kit allows the researcher to reduce peptides and proteins in fewer steps than classical protocols. The kit incorporates a proprietary ligand immobilized to cross-linked 6% beaded agarose. It is highly effective for reducing disulfide bonds in oxidized glutathione, bovine insulin, ribonuclease, and lysozyme. Unlike other solid-phase reductants, Reduce-Imm will not bind the reduced molecule, ensuring very low nonspecific interactions and high recoveries. Pierce. Circle 503.

Literature

Optimization of Separation Systems for Centrifugal Chromatography appeared in the September 1990 issue of *American Laboratory*. A reprint is available from Sanki Laboratories. Circle 504.

VIEWDAC Software for Data Acquisition and Control is a brochure available with a demonstration disk. The program runs on IBM-compatible 386- and 486-based computers using DOS 3.0 or above. Keithley Asyst. Circle 505.

Pyramid Chromatography Manager describes a user-configurable data acquisition and analysis system. Features include graphic programming and file editing, full configurability of all displays and reports, and direct control of chromatography instruments from most manufacturers. Axxiom Chromatography. Circle 506.

Personnel Placement

LINE CLASSIFIED ADVERTISEMENTS

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

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

SCIENCE Classified Advertising
1333 H Street, N.W., Room 940
Washington, DC 20005
Telephone: 202-326-6555
FAX: 202-682-0816

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

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

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

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

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

CREDIT CARDS: *Science* accepts MasterCard and VISA. Both personal and corporate cards may be used. Prepayment does not apply to credit cards.

BOXES AND LOGOS: Any line classified ad can be boxed and/or published with logo to increase its visibility on page. Since the box takes up additional space, one line now equals 48 characters and spaces; two additional lines will be added to allow for top and bottom rules. Logos are billed according to the number of lines needed to fit logo in space.

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

DISPLAY PERSONNEL ADVERTISEMENTS

For rates, deadlines, and information about fractional display ads (all ads 1/6 page and larger) and all Marketplace listings of available products and services, contact:

Scherago Associates
1515 Broadway
New York, NY 10036
Telephone: 212-730-1050
FAX: 212-382-3725

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

POSITIONS OPEN

ASSISTANT PROFESSOR CHEMICAL SENSES

The Department of Cellular and Structural Biology at the University of Colorado School of Medicine invites applications for a full-time, tenure-track position at the level of assistant professor. Preference will be given to applicants with research interests in the cell or molecular biology of chemical sensory systems, and especially research in smell or taste which complements ongoing research at the Rocky Mountain Taste and Smell Center. In addition to pursuing an active research program, the successful applicant is expected to participate in the departmental teaching program. Applicants should have a Ph.D., or M.D. and appropriate postdoctoral training. Review of applications will begin 1 September 1991. Please send curriculum vitae, a two-page description of current and future research and the names and addresses of three references to: **Dr. Thomas E. Finger, Search Committee Chair, Department of Cellular and Structural Biology, B-111, Colorado School of Medicine, 4200 East 9th Avenue, Denver, CO 80262.** *Affirmative Action/Equal Employment Opportunity.*

ASSISTANT PROFESSOR SECTION OF GENETICS DUKE UNIVERSITY MEDICAL CENTER

The Section of Genetics at Duke University Medical Center invites applications for tenure-track, junior level faculty positions. Individuals utilizing genetic approaches to address problems in most any important area of biology will be considered. The Section of Genetics is a newly created academic unit that offers a cohesive and interactive research environment as well as an extremely attractive and generous package of research support. Applicants should forward curriculum vitae, a statement of research plans, and the names of three references to: **Dr. Joseph R. Nevins, Section of Genetics, Duke University Medical Center, P.O. Box 3054, Durham, NC 27710.** *Duke University is an Equal Opportunity/Affirmative Action Employer.*

BIOCHEMISTRY FACULTY POSITION UNIVERSITY OF WISCONSIN—MADISON

Applications are invited for an ASSISTANT PROFESSOR position in the Department of Biochemistry and the Department of Nutritional Sciences of the University of Wisconsin—Madison. Exceptional candidates at the associate professor level will be considered. The successful candidate will be expected to develop a strong research program utilizing modern biochemistry to study nutritional problems. This includes investigators with interests at the organismal and/or cellular level. Duties include teaching the departments' graduate and undergraduate courses and the training of graduate and postdoctorate students. Applications including curriculum vitae, publication list, one-page summary of past accomplishments and a one-page plan of future research should be sent to: **H. F. DeLuca, Chairman, Department of Biochemistry, University of Wisconsin—Madison, 402 Henry Mall, Madison, WI 53706.** Applicants must also arrange for three letters of recommendation to be sent to the same address. To assure consideration, complete applications should be received by 15 October 1991. *The university is an Affirmative Action, Equal Opportunity Employer and encourages women and minorities to apply.*

HARVARD UNIVERSITY ASSISTANT PROFESSOR CELLULAR AND DEVELOPMENTAL BIOLOGY (CDB)

The Department of Cellular and Developmental Biology intends to make an assistant professor appointment (entry level) effective September 1993. Our department covers a broad range of topics in cellular biology, developmental biology, and molecular genetics. We are seeking outstanding candidates in any of these fields. *We strongly encourage applications from women and minority groups.* Applications should include curriculum vitae, reprints of publications, and a statement of present and future research plans. Complete applications and three letters of recommendation solicited by the applicant should be received no later than 15 October 1991 by: **CDB Search Committee, Cellular and Developmental Biology, Harvard University, 16 Divinity Avenue, Cambridge, MA 02138; telephone: 617-495-2327.** *Harvard University is an Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR, BIOLOGY. Applications are invited for a tenure-track position. The applicants must have a research background in cell/molecular biology or biochemistry. Teaching responsibility is in freshman biology (nonmajors). Experience is not required. Send résumé, transcripts, publications, and names of three references to: **Biology Search Committee, West Georgia College, Carrollton, GA 30118.** Screening will continue until the position is filled. Inquiries: **404-836-6547.** *An Affirmative Action/Equal Opportunity Employer.*

RESEARCH ASSISTANT PROFESSOR. The Department of Physiology at Temple University School of Medicine invites applications for nontenure-track position at the level of research assistant professor. Ph.D. in physiology and 1 to 2 years of postdoctoral training required. Candidate must have laboratory experience in experimental physiology, protein biochemistry, and handling of radioactive materials. Contact: **Dr. Peter R. Lynch, Chairman, Temple University School of Medicine, Department of Physiology, 3420 North Broad Street, Philadelphia, PA 19140.** *An Equal Opportunity/Affirmative Action Employer.*

UNIVERSITY OF SOUTHERN CALIFORNIA FACULTY POSITIONS DRUG DESIGN AND TARGETING

Applications are invited for two tenure-track ASSISTANT/ASSOCIATE PROFESSOR positions in the Department of Pharmaceutical Sciences, School of Pharmacy. Outstanding candidates with research interests in drug targeting and drug design using computational, molecular, and cellular approaches are invited to apply. Applicants are expected to possess a Ph.D. degree in the pharmaceutical, biological, or chemical sciences. Participation in team teaching in either pharmaceuticals or medicinal chemistry at both the undergraduate and graduate levels is required. Please submit curriculum vitae, selected reprints, a short statement of future research plan, and the names and addresses of three references by 16 September 1991 to: **Vincent H. L. Lee, Ph.D., University of Southern California, John Stauffer Pharmaceutical Sciences Center, 1985 Zonal Avenue, Los Angeles, CA 90033-1086.** *Equal Opportunity Employer, M/F/H.*

RADIOBIOLOGIST. The Department of Therapeutic Radiology—Radiation Oncology, University of Minnesota, is seeking applications for a tenure-track position at the level of ASSISTANT PROFESSOR. The beginning date of appointment will be 1 December 1991. Candidates must possess a Ph.D., M.D., or D.V.M. and have postdoctoral research experience in radiobiology using in vivo or in vitro systems. The successful candidate will participate in ongoing research related to the treatment of cancer with radiation, hyperthermia and chemotherapy alone or in combination, and will also be expected to participate in teaching radiobiology. Salary open to negotiation based on experience. Financial support will be provided for the successful candidate while he/she develops his/her own research programs. Send curriculum vitae and three references to: **Dr. Chang W. Song, Search Committee Chair, Department of Therapeutic Radiology—Radiation Oncology, University of Minnesota, Harvard Street at East River Road, Box 494 UMHC, Minneapolis, MN 55455** before 1 September 1991. *The University of Minnesota is an Equal Opportunity Educator and Employer.*

ASSISTANT PROFESSOR OF PHYSIOLOGY UNIVERSITY OF PENNSYLVANIA

The Department of Animal Biology, School of Veterinary Medicine, has a full-time tenure-track opening for a physiologist to join an interactive, multidisciplinary department, within the biomedical community at the University of Pennsylvania. Individuals working at any level of analysis are encouraged to apply although the department's strength is at the cell/molecular level. Applicants should have a Ph.D. or equivalent degree in physiology or related field and postdoctoral training, be prepared to maintain an independent, extramurally funded research program, and participate in departmental teaching. Send curriculum vitae, names and addresses of three referees and a statement of research program to: **Dr. Michael Kotlikoff, Department of Animal Biology, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, PA 19104-6046.** *The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.*

**University of Texas
Southwestern Medical School**

announces

**The *PEPR* Program for Recent
M.D./Ph.D. Graduates**

**A Program for Excellence in Postgraduate
Research**

The University of Texas Southwestern Medical School, with support from the Lucille P. Markey Charitable Trust, has established a program to support independent research carried out by exceptional physician/scientists who have earned M.D. and Ph.D. degrees or the equivalent within the last five years.

- The *PEPR* program, which is designed to replace or supplement the usual postdoctoral apprenticeship, will provide three years of support for independent research in any aspect of biomedical science, including the fields of Biochemistry, Genetics, Pharmacology, Molecular and Structural Biology, Immunology, Pathology and Physiology.
- Successful candidates will occupy their own laboratory and office space in a newly-constructed, fully-equipped research facility.
- Each *PEPR* Fellow will be provided with an annual budget of approximately \$130,000 to cover the costs of their salary (\$60,000), that of a research technician, supplies for their research project and travel.
- *PEPR* Fellows will hold junior faculty positions in appropriate basic and/or clinical departments of the University of Texas Southwestern Medical Center.
- Advice and guidance will be provided by a group of faculty of the University of Texas Southwestern Medical Center, including Drs. Michael S. Brown, Alfred G. Gilman, Joseph L. Goldstein and Joseph F. Sambrook.

Candidates are invited to apply for Fellowships beginning July 1, 1992. Each application must include:

- a *curriculum vitae*
- a one-page abstract of the proposed research
- a research proposal, not more than 8 pages in length, in double-spaced type. The proposal should be divided into Specific Aims, Background and Methods. It must include a full discussion of potential difficulties, both theoretical and practical, and should suggest methods by which these difficulties might be minimized or avoided.
- the names, addresses and telephone numbers of three referees.
- reprints of papers published by the candidate.

Candidates should send a letter by September 30, 1991, stating their intention to apply to the *PEPR* Program. The deadline for receipt of completed applications is November 1, 1991. A short list of candidates will be invited for interview and successful candidates will be informed by January 10, 1992. The University of Texas Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer.

Applications and enquiries should be addressed to:

Dr. Joseph F. Sambrook
McDermott Center for Human Development
University of Texas Southwestern Medical Center
Dallas, Texas 75235-8591
Telephone: (214) 688-7574 FAX: (214) 688-7579

PENNSTATE



College of Medicine • University Hospital
The Milton S. Hershey Medical Center

CHAIR

Department of Biological Chemistry

Applications and nominations are invited for the position of Chair, Department of Biological Chemistry, The Pennsylvania State University College of Medicine. The Department has a tradition of excellence in research as well as teaching, and the individual research programs of the faculty are currently well supported by extramural funding. Current research strengths represented in the Department include: molecular genetics, biochemistry of cell surfaces, and protein-nucleic acid interactions. The Department offers courses covering various aspects of biochemistry, genetics, and molecular biology for medical and graduate students. The faculty directs its own departmental graduate program and also participates in three interdepartmental graduate programs and a College of Medicine M.D./Ph.D. program. Unique opportunities are available for departmental growth and development in a rapidly expanding academic medical center.

Candidates should be established investigators with a well-funded active research program, an outstanding record of scholarly contributions, and an active record of participation in appropriate professional organizations. Candidates should also have proven leadership skills and should be experienced in teaching and administration. The successful candidate is expected to provide imaginative leadership for current and future programs and to promote the national and international stature of the Department.

The deadline for application is October 31, 1991.

Applications with curriculum vitae and the names and addresses of three or more references should be addressed to:

Leonard S. Jefferson, Ph.D.
and Richard J. Courtney, Ph.D.
Co-Chairs, Biological Chemistry
Search Committee
The Pennsylvania State University
College of Medicine
P.O. Box 850, Drawer S
Hershey, Pennsylvania 17033

*An Affirmative Action/Equal Opportunity Employer
Women and Minorities are Encouraged to Apply.*

POSITIONS OPEN

PROFESSOR AND HEAD DEPARTMENT OF PLANT PATHOLOGY

The Department of Plant Pathology, College of Agriculture and Life Sciences, North Carolina State University, invites applications and nominations for the position of professor and head of the department. The department head has overall responsibility for the leadership and administration of all teaching, research, and extension activities of a large and diverse department. The head of the department plays a key role in faculty and staff recruitment and development, program planning and evaluation, and budgetary matters including fund allocations and accountability. Candidates for the position must have a Ph.D. in plant pathology or a related discipline and a record of distinguished professional achievement. Preference will be given to candidates with administrative experience or demonstrated potential for leadership. Closing date for nominations and applications is 15 November 1991 or until a qualified candidate is secured. Submit nomination or an application that includes a letter describing interests and qualifications, résumé, names and addresses of at least three references, and a brief summary of career goals to: **Dr. Thomas J. Monaco, Chairman of Search Committee, Department of Horticultural Science, Box 7609, North Carolina State University, Raleigh, NC 27695-7609. Telephone: 919-515-3131. FAX: 919-515-7747.**

North Carolina State University is an Affirmative Action/Equal Opportunity Employer. All qualified individuals are urged to apply.

ASSOCIATE CHIEF OF STAFF FOR RESEARCH AND DEVELOPMENT. The Veterans Affairs Medical Center/Oklahoma University Health Science Center, Oklahoma City, Oklahoma, is seeking an accomplished physician/scientist with strong evidence of productivity and research publications in peer-reviewed journals and demonstrated mentor skills. Current transferable funded grant support is optimal but not necessarily a condition of appointment. Please send curriculum vitae and three letters of reference by 1 September 1991 to: **Douglas P. Fine, M.D. (151), Chairman, Associate Chief of Staff/Research Search Committee, Veterans Affairs Medical Center, 921 N.E. 13th Street, Oklahoma City, OK 73104. Equal Opportunity Employer.**

The Fred Hutchinson Cancer Research Center is seeking an M.D. or Ph.D. for an appointment at the **ASSISTANT MEMBER** level in clinical pharmacology. This individual must have training and postdoctoral research experience in clinical pharmacology and/or pharmacokinetic studies involving transplant or other patients and a minimum of 2 years of postdoctoral (M.D. or Ph.D.) experience. Responsibilities will include development of an independent research program in relevant areas of clinical or preclinical pharmacology, some participation in ongoing clinical pharmacology projects or clinical service, and teaching/training for postgraduate fellows.

We are an Equal Opportunity Employer. Candidates should send curriculum vitae, a concise statement of their research plans, three letters of reference, and letter of application to: **Clinical Research Division New Appointments Committee—Pharmacology Search—M246, Fred Hutchinson Cancer Research Center, 1124 Columbia, Seattle, WA 98104. Smoke-free environment.**

CHAIRMAN, DEPARTMENT OF PATHOLOGY UNIVERSITY OF VERMONT COLLEGE OF MEDICINE

The University of Vermont and Medical Center Hospital of Vermont (MCHV) seek a full-time chairman of the Department of Pathology. Applicants must be Board-certified in pathology; have administrative experience, strong leadership skills, and an outstanding record of accomplishment in biomedical research; and be interested in fostering programs for patient services, teaching, and scholarship. MCHV is a tertiary care teaching hospital associated with the University of Vermont, College of Medicine. *The University of Vermont is an Affirmative Action/Equal Opportunity Employer, and women and people from diverse racial, ethnic, and cultural backgrounds are encouraged to apply.* Interested parties should send curriculum vitae to: **Kenneth Mann, Chair of Pathology Search Committee, c/o Department of Pathology, Soule Medical Alumni Building, University of Vermont, Burlington, VT 05405.** Applications will be accepted until position is filled.

POSITIONS OPEN

UCLA NEUROSCIENCE ENDOWED CHAIR

The University of California, Los Angeles (UCLA), School of Medicine is recruiting for an outstanding individual for a newly endowed chair who is expected to bring leadership and scientific expertise in the area of epilepsy and basic mechanisms of seizure disorders. Candidates can hold an M.D., Ph.D., or both degrees and may come from the fields of neurology, neurosurgery, basic science or related disciplines. Areas of interest including molecular biology, genetics, neuropharmacology, neurophysiology, neurochemistry or advanced medical or surgical therapeutics with particular strengths relevant to understanding clinical epilepsy would be particularly attractive. This individual will be expected to promote the development of basic and/or clinical research programs in epilepsy and facilitate teaching and training in these areas.

We seek talented individuals regardless of nationality or background and encourage women and minorities to apply.

Candidates are requested to submit curriculum vitae to: **John Mazziotto, M.D., Ph.D., Chair, Search Committee, c/o Sheila Egdal, Reed Neurological Research Center, UCLA School of Medicine, 710 Westwood Plaza, Los Angeles, CA 90024-1769. UCLA is an Equal Opportunity/Affirmative Action Employer.**

DIRECTOR. Undergraduate Biology Laboratories, start date flexible, between September 1991 to March 1992; lectureship, salary negotiable. Candidate should have Ph.D. in life sciences with strong interest in undergraduate teaching. Includes working with faculty, coordination and developing new laboratories, supervising teaching assistants, option to develop and teach new lecture or laboratory courses. Applicants should submit curriculum vitae, teaching experience/interest and addresses of three references to: **Ms. Kathleen Mandell, Undergraduate Program in Biological Sciences, Northwestern University, Hogan Hall, 2153 Sheridan Road, Evanston, IL 60208-3510. Equal Employment Opportunity/Affirmative Action Employer. Employment eligibility verification required upon hire.**



• DIRECTOR OF MOLECULAR VIROLOGY.

An excellent opportunity is available for a Ph.D. level molecular virologist to lead a research and product development program aimed at characterizing molecular mechanisms and antiviral activities of novel triple helix-forming oligonucleotide compounds. Expertise in molecular biology and all culture techniques required. Experience working with HSV-1, HSV-2, HIV and CMV is highly desirable. Postdoctoral experience followed by at least 5 years of academic and/or industrial experience coupled with experience directing a team of scientists would be a clear asset.

• **SENIOR SCIENTISTS.** Ph.D. in organic chemistry or biochemistry with at least 3 to 4 years of postdoctoral experience in solid and solution phase synthesis of oligonucleotides. Preference will be given to candidates with proven experience in nucleotide chemistry and/or molecular biological application of oligonucleotides and their analogues.

• **POSTDOCTORAL RESEARCH ASSOCIATES.** Recent Ph.D. in organic chemistry or biochemistry with an aptitude for the synthesis of oligonucleotides. Preference will be given to candidates with experience in oligonucleotide or peptide synthesis.

• **SENIOR RESEARCH ASSISTANTS.** B.S. or M.S. in chemistry or biochemistry with at least 1 or 2 years of experience in synthesis, purification and characterization of oligonucleotides. Experience in developing GMP and SOP is highly desirable.

Triplex offers a competitive salary, excellent benefits, a significant equity participation plan and a very pleasant environment north of Houston in which to live and work. Send curriculum vitae or résumé with publication/patent list to:

**Director of Administration
Triplex Pharmaceutical Corporation
9391 Grogan's Mill Road
The Woodlands, TX 77380**

POSITIONS OPEN

DIRECTOR, IOWA ENERGY CENTER IOWA STATE UNIVERSITY SCHOOL OF SCIENCE AND TECHNOLOGY

Applications are invited for the position of director of the newly established Iowa Energy Center at Iowa State University in Ames, Iowa. The purpose of this center is to improve energy efficiency and develop renewable energy technology in all areas of Iowa energy use. This center will conduct and sponsor research in these areas and will support educational and demonstration programs that encourage implementation of alternative energy production and energy efficiency technology. Candidates must have a bachelor's degree as a minimum and at least 7 to 10 years of relevant experience, a demonstrated understanding and commitment to the improvement of energy efficiency and the development of renewable energy technologies. Experience in obtaining funding and managing contract research would be a valuable asset. The successful candidate could come from energy companies, consulting firms, academic institutions, energy departments of state and federal government, research organizations and environmental organizations. This individual should have the leadership and administrative skills required to build a new organization. Submit curriculum vitae supplemented by any additional relevant information to: **Brissenden, McFarland, Wagoner and Fucella, Inc., 721 Route 202-206, Bridgewater, NJ 08807, Attention: C. J. Fucella-ISU.** The deadline for applications is 2 September 1991. *Iowa State University is an Affirmative Action/Equal Opportunity Employer.*

DIRECTOR OF RESEARCH AND DEVELOPMENT.

A Massachusetts-based company engaged in the design, development, manufacture, sale and servicing of state-of-the-art bone densitometry medical imaging devices has an immediate need for a highly skilled director of research and development to assume principal responsibility for directing all research and development of medical x-ray imaging devices to be used for the quantitative measurement of bone mineral density. Responsibilities will include establishing all computer hardware and software specifications; device performance specifications; and the development and implementation of multicenter quality control programs and procedures. Parallel responsibilities require collaborating with academic and pharmaceutical customers in the development of products and clinical and technical research protocols. Minimum requirements include a Ph.D. degree in electrical engineering, medical physics, biomedical engineering or a related field and 4 years of relevant experience involving bone densitometry research and development, at least 2 years of which involved clinical research. Specific requirements include the demonstrated ability to direct and supervise a team of advanced-degree professionals engaged in technical and clinical research, inclusive of multicenter quality control programs. Also required is the demonstrated ability to evaluate and improve simultaneous calibration techniques in computed tomography. Additionally required is the demonstrated ability to design advanced quantitative medical image processing algorithms. Finally required is the demonstrated ability to utilize both high-level (e.g., C, Fortran) and lower-level (e.g., Assembler, VAX-QIO, BIOS) programming languages sufficient to direct product development programmers. Starting salary is \$72,000 per year together with medical and life insurance, 2 weeks paid vacation, and other industry-competitive benefits. Qualified applicants respond with résumé only (two copies) to: **Job Order #1695, Massachusetts Division of Employment and Training, Charles F. Hurley Building, Boston, MA 02114. An Equal Opportunity Employer, M/F/H.**

MARKETING DIRECTOR

Biotechnology supplier in the San Francisco Bay Area seeks highly qualified individual with broad business experience for executive position in marketing and business development. MBA, or other related academic background, as well as training in the biological sciences and a broad overview of the research instrumentation market desired. At least 8 years of experience in the areas of product evaluation, market analysis, and long-range corporate planning essential. Employer is a small manufacturing and sales company established for over 20 years with a good profit and growth record. Please forward résumé to:

**P.O. Box 77387
San Francisco, CA 94107
Attention: Personnel Department**



SANDOZ RESEARCH INSTITUTE BERNE LTD., BERNE/SWITZERLAND

Our Institute as part of the Preclinical Research Department of Sandoz Pharma Ltd., Basle, is working in the fields of the Central Nervous System, Inflammation and Asthma.

We have a position open for a

Cell-Biologist

with experience in cell-culturing, molecular biology and biochemical methods as well as in neurobiology (2 years postdoc).

This scientist will be part of an international and interdisciplinary team involved in research on new therapies in neurodegenerative diseases, in particular Alzheimer's disease.

Please send your detailed application to

SANDOZ RESEARCH INSTITUTE BERNE LTD., BERNE/SWITZERLAND

attn. Ms. Th. Roder, Personnel Manager, P.O. Box, Ch-3001 Berne/Switzerland.

PUBLIC HEALTH SERVICE NATIONAL INSTITUTES OF HEALTH FELLOWSHIP IN MOLECULAR NEUROBIOLOGY

The laboratory of Neurosciences, at the National Institute on Aging, Bethesda, Maryland invites applicants for a Fellowship position to study molecular biological aspects of the brain in relation to development and aging, neuroplasticity and Alzheimer's disease. The successful candidate will be expected to apply techniques of recombinant DNA and/or *in situ* hybridization to address differences in gene expression in health and disease.

Applications are invited from individuals having a Ph.D., M.D., or combined degrees. NIH is an equal opportunity employer and applications from women and minorities are invited. Interested candidates should submit their Curriculum Vitae to: **Stanley I. Rapoport, M.D., Chief, Laboratory of Neurosciences, National Institute on Aging, NIH, 9000 Rockville Pike, Building 10, Room 6C103, Bethesda, MD 20892.**

Development Biochemist Advanced Technologies Group

Pfizer, a multinational, research-based leader in health care and specialty chemical products, offers a challenging opportunity in production support at its Terre Haute, Indiana Specialty Chemicals facility.

Working in our Advanced Technologies Group, you will initiate and complete projects to enhance yield, quality and productivity of processes. This involves improving existing production processes, developing and evaluating in-process testing, and training staff in procedures and techniques necessary to perform laboratory experiments.

The qualifications required are a PhD in Biochemistry or a closely related scientific discipline, with emphasis on protein purification. Prior industrial experience is desirable.

We can provide all the professional and personal satisfactions of a Fortune 100 company, including a competitive salary, excellent benefits and relocation assistance. For confidential consideration, please send your resume and salary history to: Ms. Christina Batjer, Senior Personnel Supervisor, Pfizer Inc, P.O. Box 88, Terre Haute, IN 47808. An equal opportunity employer.



Specialty Chemicals
Bringing science to life.

DRUG METABOLISM SCIENTIST

The Department of Animal and Exploratory Drug Metabolism of Merck Sharp and Dohme Research Laboratories has an immediate opening for a Biochemist/Biologist/Chemist to join our effort in the discovery and development of innovative human medicine. This individual will assist in the design and execution of predevelopment and preclinical drug metabolism studies. Will carry out quantification and analysis of drug/metabolites in biological fluids using modern biochemical and analytical methods. Will participate in basic research in drug metabolism to assist in drug discovery/selection.

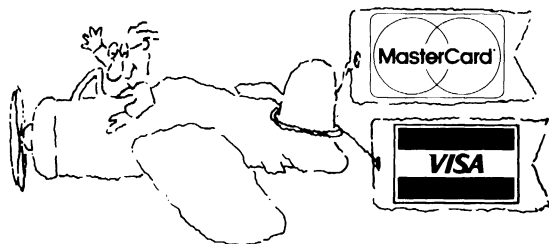
This position requires a M.S. in Biochemistry/Biological Sciences or equivalent with at least two years of experience or a B.S. in Biochemistry/Biological Sciences or equivalent with at least three years of experience. Skills in handling and dosing of laboratory animals and obtaining biological samples are required. Experience in small animal surgery and in modern analytical techniques (e.g. HPLC, radioisotopes) pertinent to drug metabolism highly desirable.

Merck Sharp and Dohme Research Laboratories is located in Rahway, New Jersey 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 **Human Resources Manager, Merck & Co., Inc., P.O. Box 2000, AD#89, Rahway, New Jersey 07065, RY80-A3.**

EEO/AA/VH/Employer



Merck & Co., Inc.



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We are an **Important French Laboratory**, located near Paris. Our scientific and therapeutic innovations have granted us a world-wide reputation.

The Department of Angiology has a position available for its unit of **HEMOBIOLOGY**

BIOLOGIST - BIOCHEMIST (PhD)

The applicant has a Ph.D. training, has experience in the Biochemistry of blood coagulation platelet aggregation and in the Physiology and Pharmacology of these processes.

The successful candidate will assist in the discovery and development of original substances aimed at treating cardiovascular diseases. His/her relational qualities will permit his/her integration in our research division and will make him/her appreciated by all our collaborators.

The candidate sends handwritten letter and CV to
PUBLIVAL/7023 · 27, route des Gardes
92190 Meudon · (FRANCE).

IMMUNO

AKTIENGESELLSCHAFT

Substantial investment in R&D, facilities and skilled personnel are the keys to the ongoing success of our company which specializes in biologicals.

We are seeking a

MOLECULAR BIOLOGIST

Applications are invited from molecular biologists for a research position in a team working on the development of new and improved bacterial vaccines. Excellent facilities and scientific backup are available to assist in achieving the goals of identifying, characterizing and expressing recombinant bacterial antigens.

The successful candidate must have experience of recombinant DNA techniques, preferably as applied to the study of bacterial pathogenicity. The applicant must hold a Ph.D. degree and should have post-doctoral experience.

The position is a challenging opportunity for candidates looking for a responsible job with ample scope for development. Attractive salary plus benefits package is available. Compensation for re-location expenses will be provided.

Our biomedical research center Orth, located close to Vienna, offers excellent working conditions in a small international team of motivated scientists.

Please send detailed résumé (including handwritten CV, remuneration required, date of availability) to REF 176/89.

IMMUNO AG
Personnel Department
Dr. Pullez
A-1220 Vienna, Industriestraße 67
Phone (43-1) 2300-2008

(W8524)A



UK UNIVERSITY OF KENTUCKY COLLEGE OF MEDICINE CHAIR

DEPARTMENT OF ANATOMY AND NEUROBIOLOGY
UNIVERSITY OF KENTUCKY, COLLEGE OF MEDICINE
A. B. CHANDLER MEDICAL CENTER

The University of Kentucky College of Medicine is seeking applicants for the position of Chair of the Department of Anatomy and Neurobiology. The Department is one of the six basic science departments in the College of Medicine, responsible for teaching principles of anatomical sciences and neurobiology to medical, dental, physical therapy, physician associates, pharmacy and undergraduate students. The department also conducts a program of research training for graduate students, residents and postdoctoral fellows. The 20 faculty of the Department conduct individual and collaborative programs of research that are communicated in the form of publications and oral presentations at regional, state, national and international professional meetings. We are seeking candidates with a Ph.D. or M.D. degree (or equivalent degree), an outstanding record of achievement in the fields of anatomy and/or neurobiology, experience in or potential for academic administration and an ability to provide strong leadership. Women and minorities are encouraged to apply. Applicants should submit a curriculum vitae, to be received not later than Sept. 9, 1991 to:

Emery A. Wilson, M.D., Dean
University of Kentucky, College of Medicine
A. B. Chandler Medical Center, Room MN 150
800 Rose Street
Lexington, Kentucky 40536-0084

**The University of Kentucky is an Affirmative Action,
Equal Opportunity Employer.**

PHARMAGENESIS

Pharmagenesis, a young, dynamic, and growing drug discovery company, is seeking highly motivated individuals to join expanding research programs in **bone metabolism**. Pharmagenesis is also developing programs in haematology and immunology for screening of putative agents isolated from natural products.

Bone Metabolism BS / MS / PhD Scientists: Join natural product drug discovery programs in osteoporosis and bone growth. If you have a strong technical and theoretical background in cell and organ culture, join projects to:

- Identify and develop pharmacologically active agents from natural products for osteoporosis and bone healing.
- Develop *in vivo* and *in vitro* bioassay systems involving automated enzyme and immunoassay methodologies.

Pharmagenesis is also interested in receiving applications areas of **haematology, immunology, and organic chemistry**.

Pharmagenesis offers a competitive salary and a comprehensive benefits package. Send full resume: Dr. D.R. Henderson, V.P., R&D, Pharmagenesis, 3183 Porter Drive, Palo Alto, CA 94304.

SCIENTISTS AND POSTDOCTORAL FELLOWS IN NEUROBIOLOGY AND PROTEIN CHEMISTRY

REGENERON PHARMACEUTICALS is making rapid progress in the basic understanding of neuronal growth factors and how these proteins can treat degenerative and traumatic neurological disorders.

Openings now exist in the Neurobiology Department for scientists and research associates with interests and skills in the following areas: (1) kinetics, pharmacology, distribution, and quantitative image analysis of protein and organic radioligand binding to tissue sections or homogenates; (2) *in vitro* and *in vivo* analysis of neurochemical changes following central and peripheral growth factor administration; and (3) the use of established tests and development of novel tests for measuring behavioral capacities after peripheral or central neural injury and neurotrophic factor administration.

Scientist and Postdoctoral positions require a Ph.D. and/or M.D. degree and extensive experience and publications in either of these three areas. Experience with animal models of central peripheral nerve disease or traumatic injury, PNS neurophysiology, or neuronal plasticity is also desirable for Scientist positions.

Openings also exist in the Cellular and Molecular Biology Department for scientists and research associates (B.S., M.S., Ph.D.) and postdoctoral fellows with training and/or interest in the chemical and biological characterization of growth factors and their receptors. Experience in protein purification, peptide synthesis, or in primary, secondary and tertiary structural analysis of proteins would be advantageous.

Regeneron's modern facility is located on an expansive wooded campus in Westchester County, 25 miles north of Manhattan. The highly collaborative and supportive Regeneron community offers considerable scientific and professional growth potential.

Please send your resume and a cover letter indicating the relevant position, the names of 3 or more references, and your immediate career goals to: **Ms. Carol Deaken, Bin IV (Neurobiology positions) or Bin CMB (Cellular and Molecular Biology Positions), REGENERON PHARMACEUTICALS, INC. 777 Old Saw Mill River Road Tarrytown, NY 10591-6707**
Equal opportunity employer.

REGENERON
Pharmaceuticals, Inc.

POSITIONS OPEN

DIRECTOR LABORATORY FOR MACROMOLECULAR STRUCTURE PURDUE UNIVERSITY

We seek a director for the campus-wide protein and nucleic acid structure facility at Purdue University. The director will have general oversight responsibilities for two protein microsequencers, two oligonucleotide synthesizers, a DNA sequencer, a peptide synthesizer, a microbore HPLC system, and future additions of related instrumentation including high sensitivity amino acid analysis and capillary electrophoresis systems. The director should have a Ph.D. or 5 years of experience at the M.S. level. Responsibilities will include direction of the technical personnel of the facility; oversight of maintenance, quality control, scheduling, and the like; development of protocols to maintain the facility at state-of-the-art levels; and consultation with users of the facility regarding strategies and effective uses of the instrumentation. The director will work closely with the director of the campus-wide mass spectrometry facility, especially as applied to peptide and protein structural analyses.

Interested candidates should contact: **Mark Hermodson, Head of Biochemistry, Purdue University, West Lafayette, IN 47907. Telephone: 317-494-1637; FAX: 317-494-7897. Start date: as soon as possible.**

Purdue University is an Affirmative Action/Equal Opportunity Employer.

DIRECTOR, ONCOLOGY CENTER

The Johns Hopkins University School of Medicine and The Johns Hopkins Hospital are seeking a physician-scientist to lead our Department of Oncology, which is also a Comprehensive Cancer Center. The center is one of the largest academically integrated programs in the nation. Applicants should have evidence of leadership qualities and demonstrated outstanding abilities in research and teaching as well as the capability to direct the service missions of the center.

Please send letter of application, curriculum vitae and bibliography to:

Dr. John D. Stobo
Chairman, Oncology Search Committee
The Johns Hopkins University and
The Johns Hopkins Hospital
1830 East Monument Street
Baltimore, MD 21205

An Affirmative Action/Equal Opportunity Employer.

U.S. DEPARTMENT OF ENERGY ASSOCIATE DIRECTOR FOR OFFICE OF BASIC ENERGY SCIENCES OFFICE OF ENERGY RESEARCH \$87,000 TO \$103,300 PER ANNUM

The Department of Energy (DOE) is seeking applicants for the senior executive service position of associate director for basic energy sciences (BES). The incumbent plans, directs, and manages a \$700-million basic research program designed to improve the understanding of materials, chemical and engineering sciences, geosciences, and energy biosciences which will serve as the basis for advances in energy conservation, conversion and use, and related environmental protection. The associate director will have a major impact on the content and future direction of the BES Program, through the establishment of the appropriate balances among the competing scientific disciplines and between research and scientific facility construction and operation. Experience required in managing large, complex basic energy research programs and in transferring basic research knowledge to technical applications. Ph.D. in the physical sciences or engineering preferred. Applications must be postmarked no later than 6 September 1991.

Difficulty in recruitment may result in a recruitment bonus, waiver of dual compensation or annual pay set up to \$138,900.

Direct inquiries to: **Executive Resources Division, AD-113.1, FORS, DOE, Washington, DC 20585. Equal Employment Opportunity Employer. U.S. citizenship required.**

SCIENCE recruitment ads reach thousands of scientists in all disciplines, worldwide. Classified Advertising telephone: 202-326-6555. FAX: 202-682-0816.

POSITIONS OPEN

ASSISTANT DIRECTOR, PROJECT MANAGEMENT, CARDIOLOGY AND GASTRO-INTESTINAL PROJECTS to oversee all aspects of new drug candidate identification coordination and development of projects. Interface with research scientists and team leaders to determine project goals and strategies, and with directors in the United States and overseas to allocate financial and manpower commitments. Coordinate implementation of cardiology and gastro-intestinal projects between U.S. and overseas facilities including research, development, safety testing, modification and marketing. M.Sci. degree in pharmacy plus 3 years of experience as project manager-pharmacology required. Previous experience must include 2 years of hands-on experience overseeing drug-safety studies, overseeing projects involving development of anti-tumor agents and antibiotics, as well as 1 year of combined research experience in toxicology, pharmacokinetics and the metabolism of medicines. Frequent and prolonged travel to company's overseas branch required. Forty hours per week, Monday to Friday, 8:30 a.m. to 5:00 p.m.; \$65,000 per year. Send résumés to: **Rhone-Poulenc Rorer Central Research, 640 Allendale Road, King of Prussia, PA 19406. Attention: PM-AC-1. Equal Opportunity Employer, M/F/H/V.**

FISHERIES POSITION. The U.S. Fish and Wildlife Service invites applications for the **ASSISTANT UNIT LEADER—FISHERIES** position (GS-482-11/12) at the South Carolina Cooperative Fish and Wildlife Research Unit located at Clemson University. The successful candidate will hold an assistant/associate professor faculty appointment and will be expected to develop a successful research program in their area of expertise as well as teach one graduate level course per year. Candidates are required to have a Ph.D. degree in fisheries biology or related science. To apply send a completed SF-171 and OPM Form 1170 (list of college courses) to: **Ms. Dot Easley, Personnel Division, Research and Development, U.S. Fish and Wildlife Service, Mailstop ARLSQ 725, Washington, DC 20240. Telephone: 703-358-1771.** Applications must be postmarked no later than 3 September 1991. *The U.S. Fish and Wildlife Service and Clemson University are Affirmative Action/Equal Opportunity Employers.*

UNIVERSITY OF HONG KONG READER/SENIOR LECTURER IN BIOCHEMISTRY REFERENCE 91/92-6

Applications are invited for a readership/senior lecture-ship in the Department of Biochemistry, tenable from 1 October 1991. A higher degree is expected and teaching experience is essential. Applicants with medical or dental qualifications may have an advantage. Candidates may be from any field of the science, including immunology, molecular biology, protein chemistry, etc. The appointee will be expected to take a considerable burden of administrative work, especially in respect of organizing the course for medical students, for timetabling, and for admissions; thus solid administrative experience would be an advantage.

Annual salaries (superannuable) are on the scales: reader, HK\$453,780 to HK\$602,880; senior lecturer, HK\$435,000 to HK\$584,340 (US\$1 = HK\$7.70 as of 28 June 1991). Starting salary will depend on qualifications and experience. At current rates, salaries tax will not exceed 15% of gross income. Housing at a charge of 7.5% of salary, children's education allowances, leave, and medical benefits are provided.

Further particulars and application forms may be obtained from: **Appointments (39617), Association of Commonwealth Universities, 36 Gordon Square, London WC1H 0PF, UK; or from the Appointments Unit Registry, University of Hong Kong, Hong Kong (Fax: 852-5592058; E-mail APPTUNIT@HKUVM-1.HKU.HK).** Closes 13 September 1991.

A FACULTY POSITION in the Division of Medicine at Boston University School of Medicine is available now. The applicant will be expected to teach pre- and postdoctoral research fellows and be responsible for transgenic experiments. Ph.D., D.Sc., or equivalent, at least 3 years of laboratory research, and experience in embryonic stem cells and pronuclear microinjection is required. Salary and position commensurate with qualifications. Send curriculum vitae and correspondence to: **Dr. Victoria Herrera, Whitaker Cardiovascular Institute, Boston University School of Medicine, Room L-219, 80 East Concord Street, Boston, MA 02118-2394.**

POSITIONS OPEN

THE UNIVERSITY OF WESTERN ONTARIO DEPARTMENT OF PLANT SCIENCES

NSERC WOMEN'S FACULTY AWARDS. The Department of Plant Sciences, at The University of Western Ontario wishes to nominate an outstanding candidate with a Ph.D. and research interests in either (1) the genetics of higher plants, or (2) plant population biology. Our primary goal is to select a nominee of the highest calibre with the potential for developing an internationally respected program. The nature of the research program is secondary.

The successful candidate will be appointed to a tenure-track position and given light teaching loads for the first few years. The department already has several young faculty members with international reputations and has outstanding facilities for research in both genetics and population biology. Recent additions to these facilities include a molecular genetics suite, shared with zoology, in the new Western Science Center adjoining the department, and a unique 82-acre field station devoted to plant growth and broad-based environmental science studies (Environmental Sciences Western). There are also excellent opportunities for research collaborations on campus with medical and agricultural scientists.

Candidates wishing to apply for this position should send curriculum vitae and arrange for letters of reference to be sent from three referees to: **Dr. Alan W. Day, Chair, Department of Plant Sciences, The University of Western Ontario, London, Ontario, Canada N6A 5B7.**

Positions are subject to budget approval. In accordance with Canadian Immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada. The University of Western Ontario is committed to Employment Equity, welcomes diversity in the workplace, and encourages applications from all qualified individuals including women, members of visible minorities, aboriginal persons, and persons with disabilities.

FACULTY POSITION IMMUNOLOGY

The Department of Pathology at Tufts University School of Medicine invites applications from candidates with a background in the cellular or molecular aspects of the immune system. Preference will be given to established investigators with a record of research productivity, however, applications from highly qualified junior investigators will also be considered. This tenure-stream appointment can be at any level commensurate with an applicant's experience. Send curriculum vitae and the names of three references to:

Dr. Naomi Rosenberg
Department of Pathology
South Cove 315
Tufts University School of Medicine
136 Harrison Avenue
Boston, MA 02111

Tufts University is an Equal Opportunity Employer.

Ph.D., Pharm.D.: Applications are invited for a combined **TEACHING AND RESEARCH POSITION.** Rank and salary commensurate with teaching and research experience. Applicants should send curriculum vitae, a statement of research interests/plans, and the names and addresses of three references to: **Robert E. Mancini, Ph.D., D.O., Department of Pharmacology, Toxicology and Experimental Therapeutics, New York College of Osteopathic Medicine, P.O. Box 170, Old Westbury, NY 11568. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION. The Jefferson Cancer Institute of Thomas Jefferson University has a postdoctoral position available to study the structure and functional aspects of cts oncogene and its related genes [see *Cancer Res.* 50, 5013 (1990); *Science* 244, 66 (1989); *Oncogene Res.* 3, 239 (1988); *Science* 237, 635 (1987); *PNAS* 84, 6131 (1987)]. Ongoing studies are focused on the sequence-specific DNA binding, the transcriptional activation, the expression and purification of cts proteins in eukaryotic and prokaryotic systems and the role of cts genes in leukemias. Experience in recombinant DNA techniques or biology is desirable. Please send curriculum vitae and names, addresses, and phone numbers of three references to: **E. Shyam Reddy, Ph.D., Thomas Jefferson University, Jefferson Cancer Institute, BLSB, Room 650A, 233 South 10th Street, Philadelphia, PA 19107-5541. We are committed to a smoke-free environment. Equal Opportunity Employer.**

Sr. Research Scientists

We're a Madison, WI based biotechnology company, with 220 employees worldwide, and an industry leader in the application of biochemistry and molecular biology towards the development of novel, high-value reagent systems for the research laboratory. Our rapid growth has created several exciting career opportunities for creative, PhD-level R&D Scientists in our Research Products Group.

Molecular Biologist Gene Mapping

We seek a PhD in the biological sciences, with a strong background in eukaryotic genetics and genome mapping by RFLP analysis and *in situ* hybridization. Extensive experience in YAC cloning systems, cosmid mapping, Southern blot analysis and pulse field gel electrophoresis is essential; familiarity with linkage analysis software is desirable.

Molecular Biologist Eukaryotic Transcription

The ideal candidate will have a PhD in Molecular Biology or related area, with 2 years' postdoctoral/industrial study of transcriptional regulation, plus in-depth knowledge of basic molecular biology emphasizing eukaryotic regulation at the transcriptional and post-transcriptional levels.

Cell Biologist Cellular Regulation

We require a PhD in Cell Biology or related field, with 2-4 years' postdoctoral/industrial study of cellular oncogenes, as well as experience in the methods of producing and studying cellular oncogenes, and extensive knowledge of current literature regarding cellular regulation.

Bioorganic Chemist Nucleic Acid Chemistry

Candidates should possess a PhD in Biochemistry or Bioorganic Chemistry, with 2 years' postdoctoral/industrial experience in nucleic acid or protein labeling chemistry. Also, we seek a background in nucleic acid and protein dye-labeling chemistry, with the requisite organic synthesis, chromatography and analytical techniques.

We offer a competitive salary, comprehensive benefits and a challenging, high-growth environment in modern facilities. Please forward your resume and salary history, in strictest confidence, to: **Human Resources/SCI, Promega Corporation, 2800 Woods Hollow Road, Madison, WI 53711-5399.** An Equal Opportunity Employer.



We're California Biotechnology, an emerging leader engaged in the discovery, development and commercialization of human therapeutics. Our successful research efforts have created the following opportunities.

DEPARTMENT HEAD

• Pharmaceutical R&D •

Use your 5+ years of related experience to develop protein formulations for clinical trials. Your background should include a PhD in Pharmaceuticals, Bio/Chemistry, or a related science, plus experience with HPLC, protein chemistry, analytical method development, stability studies, lyophilization, and drug delivery. **SCIENTISTS/RESEARCH ASSOCIATES:** Positions also available at the BS and MS levels with 2-10 years' experience and PhD level with 0-3 years' experience. Dept. PB/JW

SENIOR RESEARCH ASSOCIATE/SCIENTIST

• Process Development •

Design and scale up protein purification processes. Knowledge of HPLC, GMP and/or process validation experience is highly desired. Positions available at the BS and MS levels with 2-7 years' experience and PhD level with 0-3 years' experience. Dept. PS/SW

SENIOR RESEARCH ASSOCIATE

• Pre-Clinical •

Design, perform and analyze renal, cardiovascular and endocrine studies. Pharmacokinetic and Pharmacodynamic experience is preferred. A BS in Physiology or a related science and 2-6 years' experience are required. Dept. LG/SW

Please send your resume or C.V., indicating appropriate Dept. code, to: California Biotechnology Inc., Human Resources, 2450 Bayshore Pkwy., Mountain View, CA 94043. Or FAX to: (415) 968-2438. EOE

CAL  BIO

POSTDOCTORAL POSITION IN STEM CELL BIOLOGY

The Procter & Gamble Company has an immediate opening for an industrial postdoctoral (or sabbatical) scientist in stem cell biology at its Miami Valley Laboratories in Cincinnati, Ohio. This one-year appointment will focus on the isolation of epithelial stem cells and characterization of their differentiation pathways and offers a unique opportunity to interact with both industrial and academic scientists in an applications oriented environment.

The candidate must have a Ph.D. in a life science area, preferably cell biology or biochemistry, with one or two years of relevant experience in methods of stem cell isolation and characterization and

a genuine interest in their application to complex biological systems. The ability to work as a member of a multidisciplinary team is required.

We offer a competitive salary, relocation expenses, and an attractive benefits package. Candidates must be presently authorized to work in the U.S. on a full-time basis and should send their resume and publication list to:

**Dr. T.J. Logan, Manager
Technical Recruiting
Cell Biology Position, Dept. RC
The Procter & Gamble Company
P.O. Box 398707
Cincinnati, OH 45239-8707**

An Equal Opportunity Employer.

Procter & Gamble

POSITIONS OPEN

FACULTY POSITION IN PHARMACOLOGY/TOXICOLOGY

A tenure-track position is available immediately in the Department of Pharmacology and Toxicology at the University of Mississippi Medical Center in Jackson, Mississippi. Applicants should have an M.D. or Ph.D. degree and should have experience in the use of fluorescence and electron microscopy in areas such as neuropharmacology/toxicology, developmental pharmacology/toxicology, immunopharmacology, or macromolecular morphology. Salary and rank commensurate with education and experience. The successful applicant will be expected to develop an independent, extramurally funded research program and participate in the teaching activities of the department. Interested persons should send curriculum vitae and a brief description of research interests and arrange for three letters of reference to be sent to: **Beth Hoskins, Ph.D., Chairperson of Search Committee, Department of Pharmacology and Toxicology, University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216-4505.** *Equal Opportunity Employer, M/F/H/V.*

FACULTY POSITIONS PHYSIOLOGIST AND TOXICOLOGIST

Positions available starting October 1991. Minimum qualifications: master's degree in physiology or toxicology or pharmacology or chemistry/physiology with a background in toxicology. Submit curriculum vitae and three letters of recommendation to: **Dr. Saroja K. Reddy, Chair, Physiology/Chemistry Department, Palmer College of Chiropractic, 1000 Brady Street, Davenport, IA 52803.** *Equal Employment Opportunity/Affirmative Action.*

POSTDOCTORAL POSITION

The Department of Biochemistry and Cell Biology at Rice University announces the availability of a postdoctoral position for biophysical and physiological studies of hemoglobins and myoglobins. Strong background in either rapid reaction techniques or molecular biology is desired. Projects will involve the construction, preparation, and characterization of site-directed mutants. Available immediately. Salary will depend on experience. Send résumé and three letters of reference to: **Dr. John S. Olson, Professor, Department of Biochemistry and Cell Biology, Rice University, P.O. Box 1892, Houston, TX 77251.** *Rice is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION. The Jefferson Cancer Institute of Thomas Jefferson University has a postdoctoral position available to study function of ras/gap oncogene homologs in the fungi *Aspergillus nidulans* and their role in developmental process. Candidates with a Ph.D. degree in molecular biology or cell biology are invited to apply. Send curriculum vitae and three names of references to: **Tapan Som, Ph.D., Thomas Jefferson University, Jefferson Cancer Institute, Jefferson Alumni Hall, Room 459, 1020 Locust Street, Philadelphia, PA 19107-6799.** *We are committed to a smoke-free environment. Equal Opportunity Employer.*

POSTDOCTORAL POSITIONS. Molecular Virology, Children's Hospital in Columbus, Ohio, currently has postdoctoral position available (fall/winter 1991) to study the pathogenesis, prevention, and treatment of simian immunodeficiency virus (SIV) infection in macaques and the pathogenesis of AIDS in children. Spacious, well-equipped laboratories include a BL-3 facility in the new Wexner Center for Pediatric Research. Applicants must have a Ph.D., M.D., or D.V.M. Previous experience in molecular biology, virology, and/or pathology is preferred. Potential candidates should forward curriculum vitae and the names of three references to: **Philip R. Johnson, M.D., Room W309, Wexner Institute for Pediatric Research, Children's Hospital Research Foundation, 700 Children's Drive, Columbus, OH 43205.** *Equal Opportunity/Affirmative Action Employer.*

NMR SPECTROSCOPISTS, PHYSIOLOGISTS OR BIOCHEMISTS—in vivo NMR spectroscopy **POSTDOCTORAL POSITIONS** available for studies of effects of antineoplastic agents and radiation on tumors and hearts. Send résumés: **Dr. Jerry D. Glickson, The Johns Hopkins School of Medicine, MRI 110, 600 North Wolfe, Baltimore, MD 21205.**

POSITIONS OPEN

POSTDOCTORAL POSITION IN BIOCHEMICAL TOXICOLOGY. Position available to study the mechanism of action of the dioxin receptor. Regulation of receptor binding to DNA and quantitative dosimetry modeling studies. This position will participate in a multidisciplinary study on biological basis for dioxin risk assessment, program director, Dr. William F. Greenlee, Department of Pharmacology and Toxicology. Stipend level \$25,000. Send curriculum vitae and names of three references to: **Dr. Gary H. Perdew, Department of Foods and Nutrition, Purdue University, West Lafayette, IN 47907.** Telephone: 317-494-8240. FAX: 317-494-0674. *Purdue University is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION IN MOLECULAR ENDOCRINOLOGY. Applications are invited for a postdoctoral position to study molecular mechanisms of regulations of the prolactin gene. Position available September 1991. Research involves investigations of intersecting pathways mediating regulation by cell-specific mechanisms, peptides hormones, and dopamine [Yan *et al.*, *Mol. Endocrinol.* 5, 535 (1991)]. Applicants should have a strong background in biochemistry. Send curriculum vitae and names and telephone numbers of three references to: **Dr. Carter Bancroft, Department of Physiology and Biophysics, Box 1218, The Mount Sinai Medical Center, One Gustave L. Levy Place, New York, NY 10029-6574.** *An Equal Opportunity Employer.*

POSTDOCTORAL POSITIONS IN MOLECULAR TOXICOLOGY. Two positions available to study mechanisms of tissue-specific regulation of newly identified dioxin-responsive genes (*Science*, in press). Previous training/experience in molecular biology desirable. These positions will participate in a multidisciplinary study on biological basis for dioxin risk assessment. Stipend level \$25,000. Send curriculum vitae and names of three references to: **Dr. William F. Greenlee, Department of Pharmacology and Toxicology, Purdue University, West Lafayette, IN 47907-1334.** Telephone: 317-494-1403. FAX: 317-494-7880. *Purdue University is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION IN VASCULAR BIOLOGY. Available immediately to study cerebral circulation and brain function in a well-funded, productive laboratory. Emphasis will be on cellular and molecular approaches to elucidation of control mechanisms of vascular functions in normal and damaged vessels, and interactions between vessels and glia/neurons. Please submit curriculum vitae with names and addresses of three references to: **Dr. David Busija, Department of Physiology and Pharmacology, Bowman Gray School of Medicine, Wake Forest University, Medical Center Boulevard, Winston-Salem, NC 27157-1083.**

The Perinatal Research Institute and Division of Pediatric Endocrinology of The Children's Hospital Medical Center/University of Cincinnati College of Medicine have two **POSTDOCTORAL POSITIONS** available immediately for Ph.D.'s or M.D.'s interested in the regulation of prolactin and placental lactogen gene expression in human cells. Applicants should have experience in molecular biology, tissue culture, and general protein chemistry. Please send curriculum vitae and names of three references to: **Stuart Handwerker, M.D., Division of Endocrinology, Children's Hospital Medical Center, Eland and Bethesda Avenues, Cincinnati, OH 45229, or FAX: 513-559-7486.** Salary commensurate with experience. *Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION. University of Florida, Division of Infectious Disease, Department of Medicine, has a postdoctoral position available August 1991, to study contractile protein function in macrophages and neutrophils. A strong background in molecular biology is preferred. Investigations will include generation of mutant actin regulatory proteins and transfection of nonmuscle cells. Studies will also focus on the inherited disease, neutrophil actin dysfunction. The successful applicant with prior experience may have opportunities for higher rank and salary as well as long-term academic career opportunities. Submit curriculum vitae and names of three references to: **Dr. Frederick Southwick, Professor and Chief, Box J100277 JHMHG, Gainesville, FL 32610.** FAX: 904-392-8530. *An Equal Employment Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

POSTDOCTORAL POSITION. At University of California, San Francisco. Position available immediately to study molecular biology of hormone expression and action: (i) molecular basis of signal transduction by the parathyroid hormone receptor, (ii) PTH-related protein (PTHrP) as a differentiation factor, and (iii) regulation of PTHrP gene expression in tumor cells. Prefer experience in molecular biology, e.g., mammalian cell expression or transcription. Please send curriculum vitae with names/telephone numbers of three references to: **R. A. Nissenson, Ph.D., or G. J. Strewler, M.D., Endocrine Unit (111N), VA Medical Center, 4150 Clement Street, San Francisco, CA 94121.** *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION. Available immediately to study the molecular biology of the murine immune system and its responses to viral pathogens under the direction of Dr. Ronald C. Kennedy. Research will include: (1) isolation and characterization of immunoglobulin genes; (2) production and characterization of recombinant immunoglobulins in eukaryotic expression systems. Expertise in molecular biology is essential. Experience with murine immunological systems helpful. Send curriculum vitae, a summary of research interests and the names and telephone numbers of three references to: **Personnel Director (144), Southwest Foundation for Biomedical Research, P.O. Box 28147, San Antonio, TX 78228-0147.** *Equal Opportunity Employer, M/F.*

POSTDOCTORAL POSITIONS

Postdoctoral and technical positions available for exciting receptor cloning and drug discovery research project. Send curriculum vitae including names of three references to: **Dr. Michael R. Lerner, 510 TMP, Molecular Neurobiology, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06510.** *An Equal Opportunity Employer.*

POSTDOCTORAL POSITION BEHAVIORAL NEUROSCIENCE MCGILL UNIVERSITY

Available immediately to study the role of dopamine in memory, reward and analgesia using in vivo voltammetry. Send curriculum vitae and names and telephone numbers of three references to: **Dr. K. Franklin, Psychology Department, McGill University, 1205 Dr. Penfield Avenue, Montreal Quebec, Canada H3A 1B1.** FAX: 514-392-4896.

POSTDOCTORAL POSITION IN NEURODEVELOPMENT HARVARD UNIVERSITY

Position available immediately to study the molecular mechanisms of neurodevelopment in *Drosophila* and zebrafish. Experience in biochemistry, molecular biology or neurobiology required. Salary at NIH scale or higher.

Send curriculum vitae and three references to: **Professor Daniel Jay, Department of Cellular and Developmental Biology, Harvard University, 16 Divinity Avenue, Cambridge, MA 02138.**

Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

Postdoctoral positions available to participate in full characterization of the organization, expression and product of a recently identified candidate tumor suppressor gene associated with neural crest tumors. Experience in molecular biology and/or gene expression systems required. Send curriculum vitae, summary of research interests, and the names and addresses of three references to: **Dr. D. George, Department of Human Genetics, Clinical Research Building, 422 Curie Boulevard, University of Pennsylvania, Philadelphia, PA 19104-6145.** *We are an Equal Opportunity Employer.*

NIH POSTDOCTORAL FELLOWSHIP IN RECEPTOR GENES. Available immediately in laboratory studying the regulation of the steroid receptor genes and the genomic environment of these genes. Extensive experience in molecular biology techniques is desirable. Please submit curriculum vitae and three letters of references to: **Dr. S. D. Detera-Wadleigh, Clinical Neurogenetics Branch, National Institute of Mental Health, NIH, Building 10, Room 3N218, Bethesda, MD 20892.** Telephone: 301-496-1641. FAX: 301-402-0859. *Equal Opportunity/Affirmative Action Employer.*

SANDOZ

SANDOZ RESEARCH INSTITUTE POSTDOCTORAL ASSOCIATES

Innovative research at Sandoz has been enhancing medicine around the world for over 100 years — improving the quality of life for countless individuals and revolutionizing scientific concepts. Sandoz Research Institute, the U.S. pharmaceutical R & D division of Sandoz, Ltd., currently seeks a qualified professional for the following opening in Preclinical Research. Our postdoctoral positions are for a period up to two years.

NMR SPECTROSCOPIST/CELL BIOLOGIST

The NMR laboratory at Sandoz is soliciting applications for a Postdoctoral Associate to set up a system to observe aspects of growth and metabolism in cell cultures in support of our therapeutic areas. The candidate should have a PhD in Cell Biology, Biochemistry or a related field and have NMR experience. Expertise in bioreactor or perfused organ technology is highly desirable.

Being part of the research team at Sandoz has many advantages. Our salaries and benefits programs are designed to attract top candidates and provide them with the resources to produce their best. Comprehensive health, dental, and savings plans as well as fitness and athletic facilities are all provided at our attractive location in northwest New Jersey, which also allows for outstanding academic, cultural and outdoor pursuits. For consideration, please respond to **position #333** by forwarding your resume, in confidence, to:

Robert N. Saunders, PhD
Director, Human Resources
SANDOZ RESEARCH INSTITUTE
SANDOZ PHARMACEUTICALS CORP
East Hanover, New Jersey 07936
An Equal Opportunity Employer M/F/H/V



SANDOZ

SCIENTISTS & RESEARCH ASSOCIATES

ImClone Systems Inc., an innovative biotechnology company developing diagnostics, vaccines and therapeutics for the human health care market, has career opportunities available in the following areas:

IMMUNOLOGY/MONOCLONAL ANTIBODIES

Ph.D. and B.S. level candidates with experience in cellular or molecular immunology with interests in vaccines, cancer therapeutics or inflammation.

MOLECULAR BIOLOGY

Ph.D. level candidates with experience in recombinant DNA methodology, protein expression, vector construction and PCR procedures.

PROTEIN CHEMISTRY

Ph.D., B.S. and M.S. level candidates with experience in the isolation and characterization of eukaryotic and prokaryotic recombinant protein molecules, HPLC, FPLC, immunoassay techniques and large scale purification work.

DNA PROBES

B.S. level candidates for Production Technician, Quality Control Technician, and Research Technician positions. Desirable experience includes DNA purification and sequencing, and hybridization; QC systems.

Enjoy all the diversity and excitement New York City has to offer while you earn a competitive salary and a wide range of benefits. Please send your CV and salary requirements to:

ImClone Systems Incorporated

Human Resources Dept.
180 Varick Street
New York, New York 10014.

Equal Opportunity Employer



National Institutes of Health • Public Health Service
Department of Health And Human Services

Chief, Laboratory of Molecular Genetics

The Intramural Research Program of the National Institute of Aging (NIA), Baltimore, Maryland invites nominations and applications for the position of Chief, Laboratory of Molecular Genetics. This is a Civil Service Position. Starting salary commensurate with qualifications and experience. Candidates may be eligible for Physicians' Comparability Allowance up to \$20,000 per year. Alternatively, candidates may be eligible for appointment in the Commissioned Corps of the U.S. Public Health Service.

The Chief of the Laboratory of Molecular Genetics will be responsible for conducting and coordinating research on basic mechanisms of aging, on the genetic response of cells to damaging environmental agents, on factors involved in cellular senescence and proliferation, on age associated diseases and disabilities.

Applicants must have a Doctoral degree with a record of outstanding scientific accomplishment in the field of Molecular Genetics. In addition, applicants should possess qualifications that demonstrate competence in executive level management and leadership ability.

Further information may be obtained by contacting Ms. Karen Maben at (301) 550-1733. An Application for Federal Employment (SF-171) with a current curriculum vitae and bibliography should be submitted to: **Personnel Office Gerontology Research Center, National Institute of Aging, 4940 Eastern Avenue, Baltimore, Maryland 21224.**

U.S. Citizenship Required
NIH is an Equal Opportunity Employer

POSITIONS OPEN

POSTDOCTORAL POSITION. Available immediately, studying the structure and function relationships of cell adhesive glycoproteins. Experience in protein chemistry/molecular biology desirable. Please send curriculum vitae and names of three references to: **Dr. C.-S. Lai, National Biomedical ESR Center, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226. Equal Opportunity/Affirmative Action Employer, M/F/H.**

POSTDOCTORAL FELLOWSHIP. Available immediately for molecular biologist with recent Ph.D. or M.D. to work as part of an interdisciplinary team investigating cellular receptors involved in cell motility. Applicants should have experience in molecular cloning techniques; experience in biochemistry helpful. The appointment is for 2 years with an opportunity for career advancement. The position is funded through the University of Pennsylvania. The research activities will be conducted primarily at the Roche Institute for Molecular Biology, Nutley, New Jersey.

Please send curriculum vitae including names and addresses of three references to: **Douglas Cines, M.D., Hematology-Oncology, 7 Silverstein Pavilion, Hospital of the University of Pennsylvania, 3400 Spruce Street, Philadelphia, PA 19104.**

POSTDOCTORAL FELLOWSHIP—RETROTRANSPOSON GENE VECTORIZING.

Ph.D. in a field related to molecular biology. Experience in genetics, virology or retroviruses helpful. The candidate will participate in the development of new tools for gene therapy and transgenics, while investigating the regulation of a novel recombination system. Send curriculum vitae to: **Dr. Clague Hodgson, Crieghton Cancer Center, California at 24th Street, Omaha, NE 68178, FAX: 402-280-2334 or telephone: 402-280-2338. Available immediately.**

POSITIONS OPEN

OSSERMAN FELLOWSHIP

Twelve-month fellowship available for outstanding candidate with M.D., Ph.D., D.V.M. or equivalent degree, conducting research pertinent to myasthenia gravis (MG), in the laboratory of a qualified senior investigator; investigations concerned with mechanisms of neuromuscular transmission; immunology, molecular or cell biology of the neuromuscular synapse; the etiology/pathogenesis, diagnosis or treatment of MG. Stipend competitive.

Please write or call: **Myasthenia Gravis Foundation, 53 West Jackson, Suite 660, Chicago, IL 60604, telephone: 800-541-5454, for submission guidelines.**

RESEARCH ASSOCIATE/POSTDOCTORAL FELLOW. The Department of Molecular Biology, Cleveland Clinic Foundation, has positions available immediately in the following laboratories: (1) H. W. Kestler: molecular genetics of AIDS virus/host interactions. (2) M. L. Harter: molecular activities of viral oncogenic proteins/effects on host cell division. Experience in molecular biology/tissue culture/protein analysis is required. Please address all applications or inquiries to the investigator of interest to: **The Department of Molecular Biology, The Cleveland Clinic Foundation, NC2-147, 9500 Euclid Avenue, Cleveland, OH 44195-5285.**

RESEARCH FELLOW. To study the in vivo and in vitro endocrine, paracrine as well as autocrine regulation of placental proteins and hormones, including hCG, hCG-subunits, hPL, IGFBPs, and decidua-hCG-inhibitory protein. M.D. in medicine or Ph.D. in biology or biochemistry plus 2 years of postdoctoral training. Knowledge of endocrinology in clinic and laboratory. Familiar with techniques of tissue and cell culture, histochemistry, protein purification, hormone measurements (radioimmunoassay and bioassay), immunoprecipitation, extraction of DNA and RNA, Western blot and Northern blot. Salary: \$2,753 per month. Place of employment and interview: Los Angeles, California. Send this ad and your résumé to: **Job #BLW 9267, P.O. Box 9560, Sacramento, CA 95823-0560 not later than 24 August 1991.**

POSITIONS OPEN

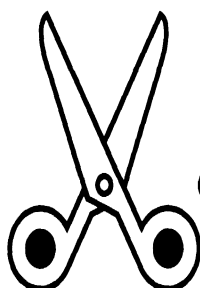
POSTDOCTORAL FELLOW at the University of Pennsylvania. Immediate opening available to study pharmacology and cellular mechanisms of sleep/wake behavior. Experience in electrophysiology required. Send curriculum vitae and three letters of reference to: **Dr. Richard J. Ross, Research Service (151), VA Medical Center, University and Woodland Avenue, Philadelphia, PA 19104. FAX: 215-573-2004.**

POSTDOCTORAL FELLOWSHIP MAYO CLINIC

A postdoctoral fellowship is available immediately to study structure/function relationships of the acyl-CoA dehydrogenase gene family at the molecular level. Applicants should have completed their Ph.D. training. Experience in molecular biological techniques and/or protein purification is desirable. Send curriculum vitae and names of three references to: **Jerry Vockley, M.D., Ph.D., Department of Medical Genetics, Mayo Clinic, Rochester, MN 55905.**

POSTDOCTORAL ASSOCIATE positions (2) available immediately for research into mechanism and action of platinum antitumor agents. One position requires background in synthetic coordination chemistry while the second position requires experience in molecular biology techniques related to DNA properties. Send résumé to: **Dr. N. Farrell, Department of Chemistry, University of Vermont, Burlington, VT 05405-0125. An Equal Opportunity/Affirmative Action Employer. Applications from women and people of diverse racial, ethnic, and cultural background are encouraged.**

POSTDOCTORAL ASSOCIATE POSITIONS. Two positions are available as of 1 October 1991 for NIH-supported studies on protein translocation in bacteria. Salary is \$73,000 per annum. Send curriculum vitae by 30 August 1991 to: **Dr. P. C. Tai, Biology Department, Georgia State University, P.O. Box 4010, Atlanta, GA 30302-4010. Georgia State University, a unit of the University System of Georgia, is an Equal Opportunity Educational Institution and an Equal Opportunity/Affirmative Action Employer (22362).**



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RESEARCH ASSOCIATE MOLECULAR BIOLOGY TRANSGENICS

Athena Neurosciences, Inc., is a biotechnology-based company committed to the discovery and development of new products to diagnose and treat diseases of the central nervous system. Our research focuses on Alzheimer's Disease.

We are seeking an individual with a BS or MS and 2+ years experience in the generation of transgenic mice. Additional experience in molecular biology or immunohistochemistry is also desired. The position will be involved with modelling certain aspects of Alzheimer's Disease and related neurodegenerative diseases.

Athena offers an innovative and exciting professional, scientific environment in addition to competitive salaries, benefits and equity participation. Please send your CV to: **Athena Neurosciences, Inc., Attn: Human Resources, 800F Gateway Boulevard, South San Francisco, California 94080 USA.** EOE

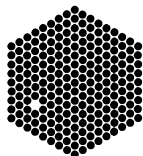
POSTDOCTORAL FELLOW

CYSTIC FIBROSIS RESEARCH AT THE HOSPITAL FOR SICK CHILDREN

To join a laboratory applying biochemical, immunological and molecular techniques to the elucidation of the structure-function relationships of the Cystic Fibrosis Transmembrane Conductance Regulator. CFTR is the first ion channel from non-excitabile tissues for which the primary structure is known. Novel features of its function have broad relevance beyond the primary goal of understanding CF.

The HSC Research Institute situated within the larger Biomedical Community at The University of Toronto is at the forefront of molecular studies of human diseases; postdoctoral stipends are competitive.

Send CV to Dr. J. R. Riordan
The Hospital for Sick Children
555 University Avenue, Toronto
Ontario, Canada M5G 1X8
FAX (416) 598-7099



EMBL

The European Molecular Biology Laboratory, an international research organization situated in Heidelberg, Germany, has the following vacancy:

STAFF SCIENTIST

*Applications are invited for an independent 3-year research position in the laboratory of Dr. Sara A. Courtneidge. Our research is focused on exploring mechanisms of signal transduction, primarily involving the **src** family of protein tyrosine kinases. Model systems employed include transformation by polyomaviruses, and growth factor-stimulated mitogenesis of fibroblasts.*

The successful applicant will have a demonstrated ability in research, including 1-2 years of postdoctoral experience, and a background in either biochemistry or molecular biology.

We offer an above-average salary, plus certain allowances depending on personal circumstances.

Informal enquiries should be directed to Sara Courtneidge, Telephone: (49) 6221 387 426; Telefax: (49) 6221 387 516.

EMBL
Personnel Section,
Postfach 10.2209
D-6900 Heidelberg
Federal Republic
of Germany

*Applications, including a **curriculum vitae** and the names, addresses and telephone numbers of three referees should be sent, quoting reference number 91/42, to the Personnel Section.*



Medical Research Council



ICI RESEARCH FELLOWSHIPS

Applications are invited from experienced postdoctoral scientists for independent research positions in the Cambridge Centre for Protein Engineering. Two positions are available, in the field of X-ray crystallography and molecular genetics. The posts are for a period of up to 5 years; salary will be in the range £15,481-£23,427; starting date, from October 1991, is negotiable. These positions are supported by the LINK initiative, and Fellows will have the opportunity of liaising with, and taking advantage of, expertise and facilities within ICI, whilst pursuing their own research within the remit of the Centre. The remit of the Centre covers all aspects of protein engineering.

The Centre is under the Directorship of Professor Alan Fersht and Dr Greg Winter, and has new laboratories at the Medical Research Centre in Hills Road and NMR Facility at the Cambridge University Chemical Laboratory. The Centre has its own high-field NMR spectrometers, and shares computing and X-ray crystallographic facilities with the MRC Laboratory of Molecular Biology.

Applicants should submit a research proposal of some 4 pages which will be used as the basis for selection (if necessary applicants may contact the Directors directly for an informal discussion of their proposals). Applications should also include a full CV and the names and addresses of three professional referees. They should be sent to the Personnel Officer, MRC Centre, Hills Road, CAMBRIDGE, CB2 2QH, UK, quoting reference IRC/RF, to arrive no later than Friday 6 September 1991.

**Scientific Director
Diabetes Research Institute
University of Miami
School of Medicine**



The University of Miami invites nominations and applications for Scientific Director of the Diabetes Research Institute. This position is a unique and prestigious opportunity for an M.D. and/or Ph.D. with a distinguished record in diabetes and/or diabetes-related research.

The Scientific Director will supervise a multi-disciplinary research effort in a newly constructed research and clinical care facility. This new Diabetes Research Institute contains 45,000 square feet of research space including 10,000 square feet of unfinished shell space. There is also an ambulatory clinic of 25,000 square feet dedicated to a comprehensive, multi-disciplinary care program. This facility also houses a clinical research unit for early translation of basic research to the diabetic patient.

During the next five years, the Diabetes Research Institute Foundation and the University of Miami will recruit 15 clinical and basic scientists with appointments in appropriate basic or clinical departments. These scientists will be co-recruited by the Scientific Director and department chairperson.

Interested candidates for the Scientific Directorship should submit curriculum vitae, names and addresses of three references, and a statement of present and future research interests to:

Richard Bunge, M.D.
Co-Chairman of Search Committee
University of Miami School of Medicine
P.O. Box 061960 (R-48)
Miami, Florida 33101

or
George Cahill, M.D.
Co-Chairman of Search Committee
Upton Pond
Stoddard, New Hampshire 03464



**Diabetes Research Institute
University of Miami School of Medicine**
An equal opportunity affirmative action employer



THE UNIVERSITY OF MISSISSIPPI
University, MS 38677

DIRECTOR
The Jamie Whitten National Center for Physical Acoustics

SALARY: Negotiable

DUTIES: The National Center for Physical Acoustics is a recent Congressionally established unit of The University of Mississippi with a mission to be the leading institution in the specific discipline of physical acoustics and to make significant national and international contributions to the science of acoustics in general. The Center is housed in a new \$12.4 million facility designed specifically for the Center's program. The Director's responsibilities will include providing planning, staffing, and administration to accomplish Center goals in research, education, and commercialization.

REQUIRED QUALIFICATIONS: Qualifications required for this position include: U.S. citizenship; security clearance or ability to obtain security clearance; terminal degree or equivalent in a related discipline; evidence of substantial achievement in research; ability to work effectively with faculty, administrators, and representatives of outside constituencies of importance to the Center; and ability to communicate effectively verbally and in writing.

DESIRED QUALIFICATIONS: Of importance are substantial administrative experience and experience with outside funding agencies, particularly the Office of Naval Research and the U.S. Department of Agriculture. Of significance is a candidate's ability to generate enthusiasm for and provide dynamic leadership to the direction and mission of the Center. The Director reports to the Vice Chancellor for Academic Affairs. Terms and conditions of the appointment are negotiable and the position is available at the earliest possible starting date.

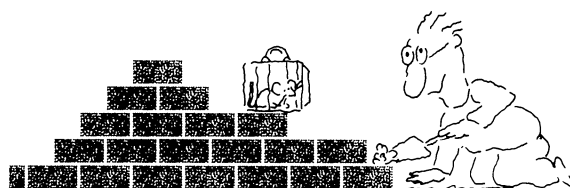
STARTING DATE: As soon as possible

CONTACT: Credentials of candidates are now being reviewed. Applications will be accepted until filled. Applications and nominations should include a letter of application highlighting particular strengths of candidate; a complete curriculum vitae; and names, addresses and telephone numbers of at least five references, and should be addressed to:

Michael R. Dingerson, Chair
The Jamie Whitten National Center for Physical
Acoustics Director Search Committee
Associate Vice Chancellor for Research
and Dean of the Graduate School
126 Shoemaker Hall
The University of Mississippi
University, Mississippi 38677
Telephone: 601-232-7474
FAX: 601-232-7577

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Postdoctoral position in analytical protein chemistry is available immediately in the Control Biotechnology Unit at the Upjohn Co. The project involves the development of micro-analytical separation methodologies to characterize structural heterogeneity of recombinantly-derived therapeutic proteins. Emphasis will be placed upon the utilization of the high resolving power of electrophoretic separations to isolate protein impurities and the development of methods that permit recovery and subsequent analysis by multiple analytical techniques. Characterization methods will include N-terminal sequencing and peptide mapping interfaced with mass spectroscopy detection. The position requires a Ph.D. in Chemistry or Biochemistry, with previous experience in the separation of protein by HPLC and electrophoresis and interest in the development of techniques to perform micro-sequencing and micro-peptide mapping.

Interested individuals are invited to send their curriculum vitae, names of three references, and cover letters to: THE UPJOHN COMPANY, SCIENTIFIC RECRUITING/POSITION 91007-069, 7000 PORTAGE ROAD, KALAMAZOO, MI 49001 USA. Refer to this position code in your correspondence. An Equal Opportunity Employer M/F.

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BIOTECH UPDATE

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In this position, you will identify novel receptor ligands to be used for new product development through the application of molecular and cell biology, and genetic techniques (e.g. gene cloning, characterization and expression, DNA sequencing, and Northern, Southern and Western analyses). A strong background in microbial molecular biology and genetics is required. Training and experience in the areas of yeast molecular biology and/or receptor pharmacology are highly desirable.

American Cyanamid Company offers an excellent compensation and benefits package which includes 401(k) savings plan and flex-time work schedules. We invite you to forward your resume to: Employment Office, Dept. DK, American Cyanamid Company, Agricultural Research Division, P.O. Box 400, Princeton, NJ 08543-0400. An Equal Opportunity Employer M/F/H/V.



POSITIONS OPEN

POSTDOCTORAL FELLOW/JUNIOR RESEARCH ASSOCIATE. Position available immediately to study at the molecular level the role of tumor suppressor genes in human breast cancer. Experience with recombinant DNA technology is required. Opportunity to interact collaboratively with scientists working on breast cancer prognostic indicators and to learn additional techniques (i.e., epithelial cell culture, fluorescence in situ hybridization on interphase cells, and immunohistochemistry). Send curriculum vitae, description of research interests, long-term goals, relevant reprints, and three references to: **Dr. Helene S. Smith, Director, Geraldine Brush Cancer Research Institute at California Pacific Medical Center, 2330 Clay Street, San Francisco, CA 94115. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL RESEARCH ASSOCIATE BROOKHAVEN NATIONAL LABORATORY

The Medical Department has a position available for a recent Ph.D. trained in pharmacology with emphasis on neuropsychopharmacology. The successful candidate will participate in studies determining the mechanism(s) of drug action and radiotracer binding in collaboration with a multidisciplinary group which has active research programs in the areas of substance abuse, mechanisms of action of therapeutic drugs, and normal brain function.

Applicants should submit curriculum vitae, and the names of three references to: **Dr. N. D. Volkow, Medical Department, Brookhaven National Laboratory, Associated Universities, Inc., Upton, Long Island, NY 11973. Equal Opportunity Employer, M/F/H/V.**

RESEARCH ASSOCIATE. Immediately available NIH-supported postdoctoral position to study the function and structure of testicular macrophages. Experience in immunology, reproductive biology or cell biology required. Send curriculum vitae and three letters of recommendation to: **James C. Hutson, Department of Cell Biology, Texas Tech University Health Sciences Center, Lubbock, TX 79430. Telephone: 806-743-2712. Equal Employment Opportunity/Affirmative Action Employer.**

RESEARCH ASSOCIATE/JUNIOR FACULTY

To conduct research in the area of smooth muscle, electrical activity, and ion channels. The candidate must have an excellent background in pharmacology with specialized skills in microelectrode techniques and patch clamp studies. The candidate should also have a Ph.D. degree in physiology or pharmacology and 2 years of research experience at postdoctoral level. The position and faculty title will be commensurate with the candidate's qualifications. *Women and minorities are encouraged to apply.* Send résumé to: **Dr. Raj K. Goyal, Division of Gastroenterology, Beth Israel Hospital, 330 Brookline Avenue, Boston, MA 02215. We are an Equal Opportunity/Affirmative Action Employer.**

AQUATIC ENVIRONMENTAL SCIENTIST

The San Francisco Bay-Delta Aquatic Habitat Institute (AHI) seeks environmental scientist to perform field and laboratory research, evaluate data and synthesize published information. Ph.D., 5 years of experience including project management in estuarine ecology, hydrodynamics, environmental chemistry, aquatic toxicology, or fisheries biology; M.S. 5 plus years of experience and publication record considered. Salary negotiable, benefits. Curriculum vitae and references to: **AHI, 180 RFS, 1301 South 46th Street, Richmond, CA 94804, by 30 September 1991. Equal Opportunity Employer.**

CELL PHYSIOLOGIST/BIOLOGIST. This Section of Emergency Medicine invites applicants for a research associate position in the Department of Medicine. Candidates should have a Ph.D. in a relevant discipline and a commitment to developing strong basic science research in a clinical department. Candidates with interests in cellular ischemia and reperfusion injury are particularly encouraged to apply. Highly competitive salary. Please submit résumé and concise statement of research interests to: **Dr. Lance Becker, Research Director, Section of Emergency Medicine, University of Chicago Hospitals, 5841 South Maryland, Box 448, Chicago, IL 60637. An Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

RESEARCH BIOCHEMIST for northeastern Ohio research and development service to design, conduct, report animal (rat) metabolism studies such as chemical distribution, excretion analysis, pharmacokinetics, metabolite identification, proposed metabolic pathways, and dermal absorbance of fungicides, pesticides and agricultural chemicals in support of registration with the Environmental Protection Agency. Requires 2 years of experience in above duties or 2 years of experience as a research biochemist [experience must be in studying enzyme isolation from biological tissue, enzyme activity, mechanism of chemical metabolism (using in vitro techniques and cell free-reconstituted system), metabolite identification with HPLC technique, and chemical metabolite extraction (using radioactive isotopes and coulter counter)] and Ph.D. in biochemistry (an M.D. degree is acceptable in lieu of Ph.D. in biochemistry; must have taken at least one graduate level course in physiology, histology, anatomy, and radiation physics, with at least one research project involving animal and/or biological tissue, utilizing peritoneum and tail injections, orbital sinus and heart punctures, and bile duct cannulation). Monday through Friday, 8:00 a.m. to 4:30 p.m. Salary: \$36,985.40 per year. *Must have proof of legal authority to work permanently in the United States.* Send résumé in duplicate (no calls) to: **J. Davies, JO#1254334, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.**

RESEARCH TECHNICIAN

Carolinas Medical Center, an 843-bed teaching facility and center of the 16-facility CMHA, is seeking an emergency medicine research technician.

The technician will provide the technical support for primary research investigation and conducts technical research procedures under the supervision of the director of basic research.

High school diploma required, college degree or extensive work experience with laboratory animal surgery and technical research procedures preferred.

Qualified applicants should submit a résumé in confidence to: **Human Resources, Carolinas Medical Center, P.O. Box 32861, Charlotte, NC 28232. Equal Opportunity Employer, M/F.**

SENIOR ACQUISITION EDITOR

Academic Press, an international publisher of scientific and technical books and journals, seeks applicants for a senior biology editorial position with primary emphasis on the neurosciences and a secondary concentration in pharmacology/toxicology. This position offers the opportunity to publish books and journals on the cutting edge of current research in neurobiology. Applicants must have scientific publishing experience with books and journals. A graduate degree in the biological sciences is a plus.

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SCIENCE

POSITIONS OPEN

ASSISTANT/ASSOCIATE RESEARCH MOLECULAR BIOLOGIST

Program in transplant immunology is offering a position for a molecular biologist/molecular immunologist. Position involves studies of HLA gene regulation, DNA binding proteins, and HLA allele definition utilizing molecular approaches to gain a better understanding of antigen presentation and tolerance induction. Candidates should have Ph.D. degree with at least 2 years of postdoctoral training. Salary range: \$41,600 to \$64,000 depending on experience and qualifications.

Send curriculum vitae and references to: **Marvin R. Garovoy M.D., University of California, San Francisco (UCSF), 520 Health Sciences East, Third and Parnassus Avenue, San Francisco, CA 94143-0508.**

UCSF is an Affirmative Action/Equal Opportunity Employer.

RESEARCH SCIENTIST. Saint Francis Hospital and Medical Center, located in Hartford, Connecticut, is seeking a candidate to join our department of Research and Heart Institute to work on molecular and cellular biology of vascular cells. Candidates should have completed a doctorate degree and a postdoctorate fellowship with prior molecular and cell biology experience. Candidates will be eligible for an appointment at the University of Connecticut School of Medicine. Interested candidates should send a résumé and references to: **Saint Francis Hospital and Medical Center, 114 Woodland Street, Hartford, CT 06105. FAX: 203-548-5415. Equal Opportunity Employer.**

CONSERVATION BIOLOGIST. Austin, Texas. Develop and implement scientific studies and conservation projects that protect biodiversity and integrate economic activity in the Texas Hill Country. M.S. degree or higher in community ecology, botany, zoology, or related field, with course work in systematics and ecology; advanced knowledge of natural communities including physical resources, plants, animals, and succession; familiarity with terrestrial and aquatic ecosystems in Texas preferred; experience in designing and administering complex field research; knowledge of remote sensing and geographic information systems; effective communication skills. Salary: \$27,000. Send cover letter and résumé by 23 August 1991 to: **Ms. Daran Moon, Texas Nature Conservancy, P.O. Box 1440S, San Antonio, TX 78295-1440. Equal Opportunity Employer.**

ENVIRONMENTAL TOXICOLOGIST, GS 13 (\$44,348 to \$57,650) at the U.S. Environmental Protection Agency (EPA), Region 10, in Seattle, Washington. Ph.D. in toxicology, biochemistry or related field of biological science and a minimum of 2 years of experience in human health risk assessment required. Work involves preparing and reviewing human health risk assessments in accordance with EPA guidelines and providing technical expertise to the public, other governmental agencies and EPA staff on the human health effects of environmental contaminants. Ability to work with a highly interdisciplinary group and to communicate complex technical issues as well as a sound understanding of environmental toxicology and risk assessment are essential. This is not a research position. *EPA is an Equal Opportunity Employer.* Send SF 171 and résumé to: **U.S. EPA, Personnel Branch, MD-077, 1200 Sixth Avenue, Seattle, WA 98101.** Applications will be accepted until 23 August 1991.

Positions available in NIDA-funded Research Program at Veterans Affairs Medical Center.

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CHAIRMAN

RESEARCH INSTITUTE OF THE CLEVELAND CLINIC FOUNDATION

The Cleveland Clinic Foundation invites applications and nominations for the position of Chairman of the Research Institute—a position recently vacated by Dr. Bernadine Healy, now Director of the NIH. The responsibilities of this position include the direction, management and continued development of the Research Institute which has had a long standing commitment to excellence in basic and applied biomedical research. The Research Institute with an annual budget in excess of \$36 million is currently comprised of over 240 scientists, including pre- and post-doctoral trainees, organized into nine diverse departments. Programs vary in emphasis from basic cellular and molecular biology to biomedical engineering and applied science. Candidates should hold an M.D. or Ph.D., possess an outstanding national reputation as a scientist, and have demonstrated administrative and leadership capabilities. The successful applicant will play a major role in implementing interactive academic programs under a recently signed affiliation with the Ohio State University. Salary, fringe benefits, and resources for establishing novel research initiatives are highly competitive.

Applications and nominations including a current curriculum vitae and names and addresses of three references should be sent to: **Ralph Straffon, M.D., Search Committee for the Chair of the Research Institute, Board of Governors—H18, The Cleveland Clinic Foundation, 9500 Euclid Avenue, Cleveland, OH 44195.** The Search Committee will receive applications through September 30, 1991.

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The Pharmacology Department of Merck Sharp & Dohme Research Laboratories in West Point, Pennsylvania, has a postdoctoral fellowship position available for a highly motivated scientist interested in joining our growing cardiovascular research program.

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The U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi, seeks a marine botanist/ecologist (GS-12, \$37,294 to \$48,481). Candidates must have a Ph.D. in marine ecology, botany, or a related field. Candidates also should have experience researching factors that control the distribution and abundance of seagrass and marsh plants; experience with plant/animal interactions in these habitats also is desirable. The successful candidate will plan, conduct, and direct research related to the management of coastal resources. To apply, send a completed SF-171 Form, curriculum vitae, transcript, and the names, addresses and telephone numbers of three references to: **Jack Pullen, Chief, Coastal Ecology Group, Waterways Experiment Station, 3909 Halls Ferry Road, Vicksburg, MS 39180-6199, Attention: CEWES-ER-C.** The U.S. Army is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply. Applicant must be a U.S. citizen.

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Mayo Clinic is seeking **SCIENTIST TO HEAD THE SECTION OF HEALTH SERVICES EVALUATION.** Applicants should have strong methodologic training with evidence of research productivity in terms of peer-reviewed publications and success in competing for research funding. An extramurally supported research program may focus on any aspect of health services evaluation, although opportunities in the Mayo environment may be greatest in technology assessment. The individual selected will be expected to develop and coordinate a cohesive working group of investigators, clinicians, and research fellows and to serve as a role model and catalyst to encourage interested clinicians to become actively involved in health services research. Ample resources are available to support efforts to develop a high caliber research unit and specific research programs. Opportunities derive from an extensive clinical database at Mayo and include the capability for population-based research among residents of Olmsted County, Minnesota, through the Rochester Epidemiology Project. Collaboration is available and encouraged with the closely integrated Sections of Biostatistics, Clinical Epidemiology, and Medical Information Resources. Academic rank will be commensurate with the candidate's qualifications and experience. There are no required patient care responsibilities, but practice opportunities are available. Salary and benefits are most competitive. Qualified applicants should submit curriculum vitae to: **Robert G. Tancredi, M.D., Mayo Clinic, Rochester, MN 55905. Telephone: 507-284-8294.** Mayo Foundation is an Affirmative Action and Equal Opportunity Educator and Employer.

ANNOUNCEMENTS

SENSORY TRANSDUCTION SYMPOSIUM 5 TO 8 SEPTEMBER 1991

The Society of General Physiologists announces their 45th Annual Symposium to be held at the Marine Biological Laboratory, Woods Hole, Massachusetts, organized by D. P. Corey and S. D. Roper. Recent advances in the cellular and molecular biology of olfaction, photoreception, proprioception, taste, audition and vestibular receptors and special senses. Keynote addresses by D. A. Baylor and A. J. Hudspeth, symposia, and poster sessions. Register now to guarantee a seat. For further information, including registration forms, telephone: **Ms. Jane Leighton, 508-540-6719,** or write to: **The Society of General Physiologists, P.O. Box 257, Woods Hole, MA 02543.**

THE CENTER FOR INDOOR AIR RESEARCH POSTDOCTORAL FELLOWSHIP PROGRAM

The Center for Indoor Air Research (CIAR) is accepting applications for the CIAR Postdoctoral Fellowship Program. The purpose of this program is to further develop the scientific productivity of outstanding men and women pursuing careers in indoor air research and to stimulate interest in entering the field of indoor air research among individuals with strong backgrounds in related or allied sciences.

For details and application brochure, write or call:

**Center for Indoor Air Research
Postdoctoral Fellowship Program
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Linthicum, MD 21090
Telephone: 301-684-3777**

Deadline for receipt of applications: 31 October 1991.

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PRIMATOLOGIST. New Mexico Regional Primate Research Laboratory (NMRPRL) seeks a primatologist to head their Behavioral Biology Division. Applicants should have a Ph.D. in anthropology, biology, psychology, or related field. A minimum of 3 years of related experience. Record of publication, external funding, and experience with captive primates required. Send curriculum vitae and three letters of reference by 23 August 1991 to: **Dr. Wenda Trevathan, Acting Head, Behavioral Biology Division, NMRPRL, Holloman AFB, NM 88330-1027.** New Mexico State University is an Equal Employment Opportunity/Affirmative Action Employer. Offer of employment contingent upon PRL's health standards.

SCIENTIST II. Sandoz Crop Protection is a division of Swiss-based Sandoz Ltd. with a commitment to agricultural research in North America and the crop protection business worldwide. Our innovative bio-rational approach to research offers a stimulating and challenging work environment. Currently we are seeking an intermediate level scientist. Responsibilities include designing, carrying out and evaluating research as a member of an established team. Requires an M.S. in plant pathology (M.S. in plant sciences with relevant experience). Training in molecular biology (DNA, RNA and protein assays) necessary: academic, field and/or greenhouse experience with plant diseases highly desirable. For consideration, please send résumé to: **Sandoz Crop Protection, Human Resources Department, 975 California Avenue, Palo Alto, CA 94304-1104.** Affirmative Action/Equal Opportunity Employer.

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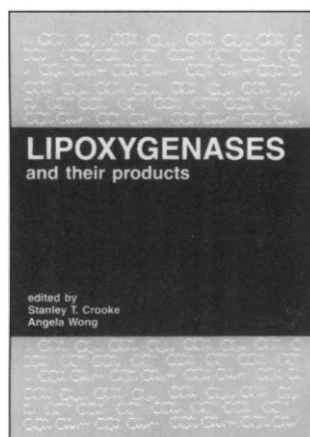
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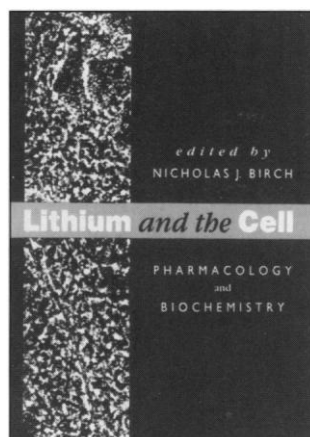
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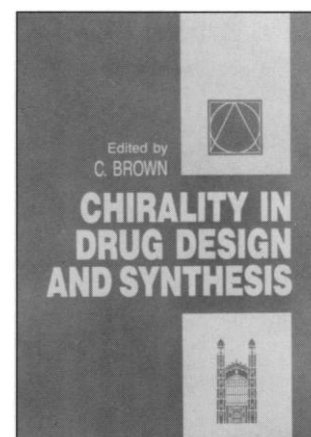
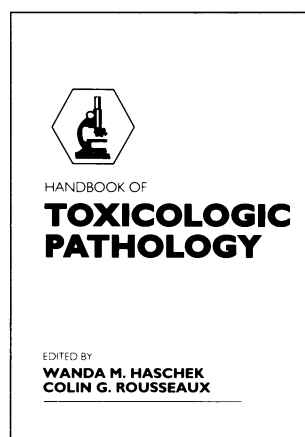


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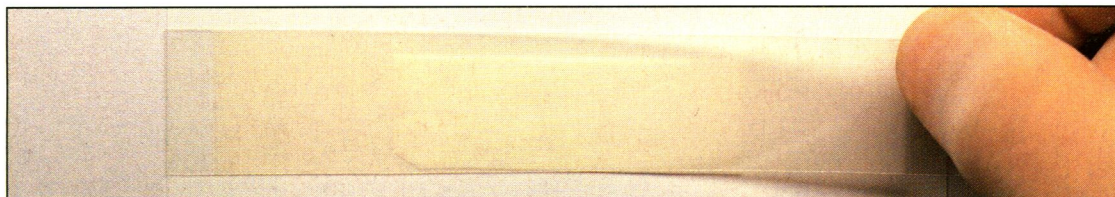
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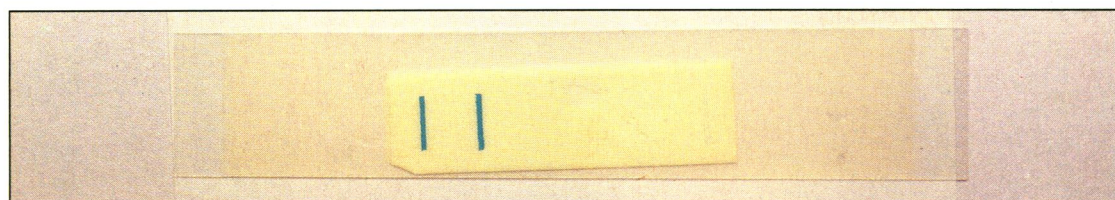
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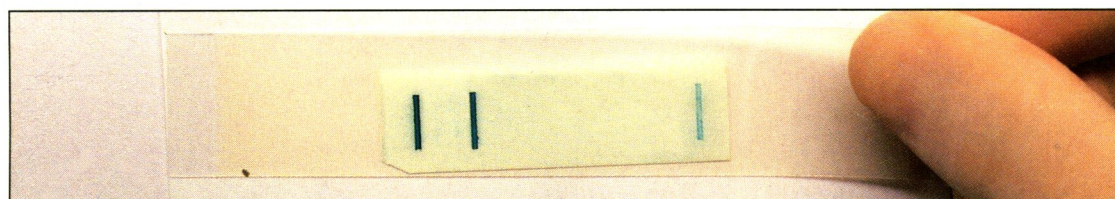
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