

**1991
AAAS—Scientific Freedom and
Responsibility Award**

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Reflect Upon the Social Implications of
their Professional Actions**

The AAAS Scientific Freedom and Responsibility Award, established by the AAAS Board of Directors in 1980, is awarded annually to scientists and engineers who have:

- * acted to protect the public's health, safety, or welfare; or
- * focused public attention on important potential impacts of science and technology on society by their responsible participation in public policy debates, or
- * established important new precedents in carrying out the social responsibilities or in defending the professional freedoms of scientists and engineers.

You are invited to submit nominations now for the 1991 award, to be presented at the 1991 AAAS Annual Meeting in Washington, DC. A recipient of the award is selected by a panel of six judges. The deadline for receipt of entries is 31 July 1990.

Requests for nomination forms and more information should be sent to: Scientific Freedom and Responsibility Award, Directorate for Science and Policy Programs, AAAS, 1333 H Street, NW, Washington, DC 20005.

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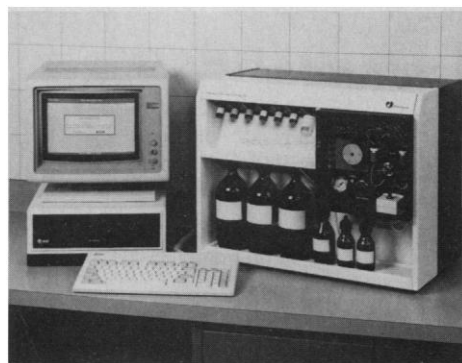
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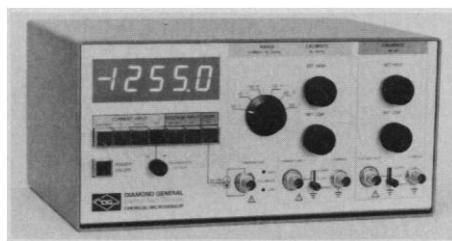
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currents as large as 20 μA . The potentiometric mode's high-input impedance circuitry interfaces with almost any microelectrode and the temperature mode functions with any type T thermocouple. Diamond General. Circle 457.

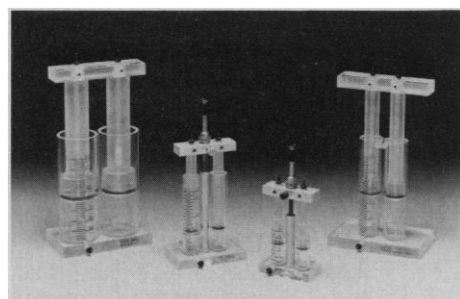
Kits for DNA Analysis by Capillary Electrophoresis

SeptraGene 500 and SeptraGene 5000 are two kits for double-stranded DNA analysis by capillary electrophoresis that eliminate the need for slab gels. The kits provide a fast and accurate method for determining the size of unknown fragments and concentra-

tions using no more than 10 nl of sample. Quantitative data can be obtained in less than 15 min. The SeptraGene 500 kit is formulated to separate double-stranded DNA fragments in the 100- to 1000-base pair range, while the SeptraGene 5000 kit is used for the 1000- to 7000-base pair range. Each kit includes ready-to-use separation reagents, premeasured molecular weight and calibration standards, preassembled capillaries, and a detailed protocol. Applied Biosystems. Circle 466.

Gradient Formers

New small-volume Jule Gradient Formers are designed for electrophoresis, centrifugation, and chromatography. The patented



design features a dual piston assembly, which dispenses the fluid in each chamber at an equal rate to produce perfect linear gradients independent of fluid viscosity and density. Exponential gradients can be formed easily. The closed system permits rapid mixing and gradient formation. Gradients can be poured in less than 2 min. The acrylic formers are available in 5-ml, 17-ml, 50-ml, and 200-ml sizes. Jule. Circle 460.

Literature

FisherBiotech Reagents Sourcebook presents reagents frequently used in molecular biology and electrophoresis. The sourcebook indexes reagents by product and product application, and includes technical information. Each reagent is listed with its chemical formula and weight, analytical specifications, recommended storage conditions, primary application information, and ordering information. Fisher Scientific. Circle 482.

Biochemical/Immunochemical Catalog 1990-1991 includes antisera, buffers, conjugates, derivatized amino acids, detergents, growth factors, lipids, peptides, proteins, and toxins. Calbiochem. Circle 484.

YSI Temperature Instruments and Laboratory Temperature Probes describes a line of probes, thermometers, and controllers. YSI. Circle 488.

Personnel Placement

SCIENCE publishes each Friday, except the last Friday of the year, and is mailed on issue date. Personnel advertising is accepted only with the understanding that the advertiser does not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, handicap, or sexual preference. **SCIENCE** reserves the right, in its discretion, to decline to publish advertisements submitted to it.

LINE CLASSIFIED ADVERTISEMENTS

DEADLINE: Thursday, 10 a.m., 2 weeks prior to issue date. Advertising is accepted only in writing.

POLICIES: All classified ads will be edited and typeset according to **SCIENCE** style guidelines. NO ABBREVIATIONS. Any deadline for applications stated in ad must be at least 2 weeks after date of issue in which ad appears.

CLASSIFICATION: **SCIENCE** publishes line classified ads under the following headings: **Positions Open, Employment Agencies, Fellowships, Situations Wanted, Courses and Training, Meetings, Announcements, and Marketplace.** Advertisers should specify classification desired; however, **SCIENCE** reserves the right to decline classification requests which it believes may be misleading to readers.

RATE: \$41 per line, \$410 minimum, per week. One line equals 52 characters and spaces; centered headings equal 32 characters and spaces per line. No charge for use of blind box number. No agency commission for ads less than 40 lines. To ESTIMATE ad cost, structure ad copy on a 52-character line; include any desired heading on 32-character lines. Each line of heading, one line of white space between heading and body of ad, and all partial lines (including centered reply information, if desired) are counted as full lines. Multiply total number of lines x \$41 = approximate cost of ad, per week. (This is an approximate cost ONLY. Allow for variation between estimated lines and actual typeset lines and resulting final cost. Purchase orders must allow for some degree of flexibility and/or adjustment. **SCIENCE** cannot provide proofs of typeset ads.)

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BOXES AND LOGOS: Any 1-column line classified ad can be boxed and/or published with logo. No extra production charge for use of box or logo. For boxed ads, one line equals 48 characters and spaces; two additional lines will be added to cost of ad to allow for top and bottom rules. Logos are billed according to number of lines needed to accommodate logo.

SITUATIONS WANTED ADS: As a service to AAAS members in good standing, **SCIENCE** offers free placement of Situations Wanted ads for individuals seeking full-time or part-time employment. A blind box may be used. Ads must be submitted in writing with text of 20 words or less, not including address or box number, and are limited to two insertions per member in each calendar year. Please enclose **SCIENCE** mailing label including AAAS membership number when submitting ad.

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Address ad copy or requests for information to:

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RESPONSES TO EMPLOYMENT ADS

Applicants should read Positions Open ads carefully in order to submit all required material when responding, and should especially check for any stated deadline for receipt of applications. **SCIENCE** encourages applicants for positions to investigate employment laws, non-discrimination policies, visa requirements, and cultural differences in the country advertising for employees.

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POSITIONS OPEN

ANATOMIST

ASSISTANT AND ASSOCIATE PROFESSOR positions available 1 September 1990 in the Anatomy Department at the Los Angeles College of Chiropractic (LACC). Applicants should have a Ph.D. or its equivalent and a strong interest and 2 to 5 years of experience in teaching gross anatomy with dissection and either neuroanatomy, embryology, or histology. Research experience is desired. Send résumé and two letters of recommendation to:

Personnel Office
LACC

16200 East Amber Valley Drive
Whittier, CA 90609-1166

FRED HUTCHINSON CANCER RESEARCH CENTER

ASSISTANT MEMBER position, Division of Clinical Research, Department of Transplantation Biology.

Background required: Board-eligible or Board-certified in medical subspecialties of oncology and hematology with 2 to 4 years of clinical experience emphasizing marrow transplantation beyond formal training; molecular biology training either as doctoral or postdoctoral fellow with demonstrated experience in the area of gene cloning and interest in hematopoietic and lymphopoietic growth factors; the potential to become an independent investigator.

Expectations: To establish laboratory-based research programs which will successfully compete for extramural research funds; must be a capable clinician with potential of carrying forward laboratory science into appropriate clinical trials in animal or human systems; must contribute to general clinical marrow transplantation program in patient care and teaching at the attending physician level.

Please respond with curriculum vitae and letter of interest to: **Search Committee Chairman: Robert P. Witherspoon, M.D., Fred Hutchinson Cancer Research Center (FHCRC), M318, 1124 Columbia Street, Seattle, WA 98104.**

FHCRC is an Equal Opportunity/Affirmative Action, Minority/Female/Handicapped Employer. Smoke-free environment.

ASSISTANT PROFESSOR

The Center for Environmental Health seeks applicants for an anticipated position as assistant professor. This is a tenure-track, academic year appointment in the Department of Animal Science of the College of Agriculture and Natural Resources. Primary responsibility will be focusing on interdisciplinary programs of the Center for Environmental Health involving faculty as well as participants from state and regional agencies/institutions. Position also involves research, teaching, and center outreach activities. Applicants should be interested in applying the techniques of modern biology to monitor populations for toxic exposures. Suitable areas of experience include molecular biology, toxicology, and genetics with a subject interest in somatic cell mutagenesis, detection of DNA adducts, induced alternations in DNA expression, and food safety. Applicants must have an earned doctorate and postgraduate experience in an appropriate field, demonstrated independent research productivity, and demonstrated interest in initiating collaborative research efforts. This position is anticipated for 1 September 1990. Qualified applicants should send curriculum vitae and four letters of recommendation by 15 July 1990 to: **Dr. Norman W. Klein, Director, Center for Environmental Health, U-39, 3636 Horsebarn Road Extension, University of Connecticut, Storrs, CT 06269-4039. The University of Connecticut is an Affirmative Action/Equal Opportunity Employer. (Search #OA265.)**

ASSISTANT/ASSOCIATE PROFESSOR in silviculture/tree population ecology. An 11-month, tenure-track position; Ph.D. required; teach undergraduate courses and develop advanced courses and research programs, advise undergraduate and graduate students, and participate in professional assignments and in field courses in forestry. Salary commensurate with experience and productivity. Application deadline: 15 June 1990, or until the position is filled. Position available 1 September 1990. Applicants should send a letter of application, curriculum vitae, and academic transcripts, and have three letters of recommendation sent to: **Dr. John F. Disinger, School of Natural Resources, The Ohio State University, 2021 Coffey Road, Columbus, OH 43210-1085. The Ohio State University is an Equal Opportunity/Affirmative Action Employer, encouraging women and minority applications.**

POSITIONS OPEN

ASSISTANT PROFESSOR. To conduct research on the transacting DNA binding proteins and the cis-acting elements within the gene's promoter that regulate cell-specific expression of the gene that encodes the peptide core of secretory granule proteoglycans in the mast cells. Ph.D. in molecular biology, physiology, or biochemistry with 3 years of postdoctoral experience in molecular biology and cell biology of mast cells and proteoglycans. Ability to conduct independent research as evidenced by original publications in refereed journals. Salary: \$40,000 per year. Send two résumés to: **Department of Employment and Training, Special Programs, 19 Staniford Street, Boston, MA 02114, and refer to Job Order #00497.**

ASSISTANT PROFESSOR OF PHYSIOLOGY AND BIOPHYSICS (Ph.D. and/or M.D.). Research areas: membrane biophysics including receptor mechanisms. Physiologist able to teach areas other than research interest; e.g., gastrointestinal to medical, nursing, and graduate students. Minimum of 2 years of postdoctoral teaching required and ability to develop extramurally supported research. Application deadline: 26 July 1990. Send curriculum vitae, research plans, and list of five references to: **C. H. Baker, Ph.D., Department of Physiology and Biophysics, Box 8, College of Medicine, University of South Florida, Tampa, FL 33612. Affirmative Action/Equal Opportunity Employer.**

ASSISTANT PROFESSOR OF PHYSIOLOGY

The University of Tennessee, Memphis, Department of Physiology and Biophysics, has three tenure-track positions at the rank of assistant professor or associate professor. Candidates should have a Ph.D. or M.D. degree, a good track record in publications, and postdoctoral research experience with a background in cellular and/or molecular biology. The abilities to establish an independent research program in the areas of cardiovascular, gastrointestinal, developmental, endocrine, or epithelial physiology and to engage in teaching activities of the department are expected. Applicants send curriculum vitae, copies of three representative publications, and the names of three references to: **Dr. Leonard R. Johnson, The Thomas A. Gerwin Professor and Chairman, Department of Physiology and Biophysics, 894 Union Avenue, Memphis, TN 38163. An Equal Opportunity/Title IX/Section 504/Affirmative Action Employer. Minorities and women are encouraged to apply.**

SYSTEMATIC ENTOMOLOGY

The Department of Entomology, University of Missouri, invites applications for this 12-month **ASSISTANT PROFESSOR**, tenure-track position split between research on arthropod taxonomy and teaching in systematic entomology, insect morphology, and a seminar or course in his/her specialty. Ph.D. in entomology with specialization in an arthropod taxonomic area. Knowledge of traditional taxonomic techniques expected. Familiarity with the use of computer techniques and modern molecular methods in systematics desirable. Submit by 1 August 1990 a letter describing qualifications and professional goals, résumé, postsecondary transcripts, and major publications, and request four letters of reference, all to be sent to: **Dr. Darryl Sanders, Chair, Search Committee, 1-87 Agriculture Building, University of Missouri, Columbia, MO 65211. Telephone: 314-882-7181. The University of Missouri is an Affirmative Action/Equal Opportunity Employer.**

The new Department of Cell and Molecular Biology, Tulane University, invites applications for two tenure-track positions at the rank of **ASSOCIATE OR ASSISTANT PROFESSOR**. These positions will require research and teaching in the area of mammalian molecular biology, with emphasis on neural systems and/or developmental biology. Successful candidates will also be active participants in the Tulane University Center for Bioenvironmental Research and will be eligible for funding through the center's programs. A Ph.D. is required. Postdoctoral experience is highly desirable. Please send curriculum vitae, statement of research interests, and names, addresses, and telephone numbers of three references to: **Dr. Charles F. Ide, Search Committee Chairman, Tulane University, Department of Cell and Molecular Biology and Center for Bioenvironmental Research, 604 Lindy Boggs Building, New Orleans, LA 70118. Tulane University is an Affirmative Action/Equal Opportunity Employer, and applications from qualified women and minority group members are especially encouraged.**

POSITIONS OPEN

ASSISTANT PROFESSOR/MICROBIOLOGY UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE

Applications are invited for a tenure-track faculty position in bacterial genetics, with emphasis on molecular regulation of microbial pathogenesis. The position requires Ph.D. or M.D. and postdoctoral training in molecular biology. Excellent opportunity for developing independent research, interactions with other microbiologists and immunologists, and participation in various teaching programs. Possibility exists for a joint appointment in the University of Maryland Center for Marine Biotechnology. Submit a letter of application, full curriculum vitae with research interests, and names of references to: **Dr. James Kaper, Microbiology Search Committee, Department of Microbiology and Immunology, University of Maryland Medical School, Bressler Research Building, Room 13-009, 655 West Baltimore Street, Baltimore, MD 21201.** *The University of Maryland is an Equal Opportunity Employer, M/F/H/V. Minorities and females are encouraged to apply.*

APPLIED VERTEBRATE ECOLOGY TWO POSITIONS IN WILDLIFE

Utah State University is seeking applicants for two tenure-track positions at the **ASSISTANT/ASSOCIATE PROFESSOR** level in the Department of Fisheries and Wildlife, to staff a USDA-funded teaching research-extension program for managing problems caused by vertebrate wildlife. One position will concentrate on teaching and research related to the theory, techniques, and management of problems caused by wild vertebrates and the other will have responsibility for developing an extension effort at the national level related to managing problem wildlife. Both are tenure-track positions. One incumbent will serve as project leader for this new initiative. Applications will be accepted until 30 June 1990 or until suitable candidates are selected. More information is available from: **Chairman of Search Committee PWM, Department of Fisheries and Wildlife, Natural Resources, Utah State University, Logan, UT 84332-5210.**

Harvard University: The Department of Psychology is searching for candidates for an appointment to an **ASSISTANT OR ASSOCIATE PROFESSORSHIP** in the field of **EXPERIMENTAL PSYCHOPATHOLOGY**. Candidates should have major research interests in some area of psychopathology. Candidates are also expected to teach and advise at the graduate and undergraduate level. Applications, including current curriculum vitae and the names and addresses of four referees, should be sent to: **Jerome Kagan, Chairman, Department of Psychology, Harvard University, 33 Kirkland Street, Cambridge, MA 02138.** The closing date for receipt of applications is 1 October 1990.

Applications from women and minority candidates are especially welcome. Harvard University is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE/ASSISTANT PROFESSOR

The Department of Molecular Biology and Biochemistry at Wesleyan University invites applications for a position at the associate (tenured) or assistant professor (tenure track) level. We seek a person with demonstrated accomplishments in molecular biology who uses molecular genetic approaches to study fundamental problems. The successful candidate will be expected to develop a strong research program and to be involved in the departmental teaching effort.

The position was made possible in part by a grant to the university from Howard Hughes Medical Institute. The Department of Molecular Biology and Biochemistry has a strong Ph.D. program, complemented by similar programs in biology and chemistry. Areas of strength in the life sciences include molecular, cell and developmental biology, genetics, neurosciences, molecular biophysics, and biochemistry.

Further information may be obtained from: **Dr. Lewis Lukens at 203-347-9411, ext. 2309.** Interested applicants should send curriculum vitae, summary of research plans, and names and addresses of three referees to: **Search Committee, Department of Molecular Biology and Biochemistry, Wesleyan University, Middletown, CT 06457.**

Wesleyan University is an Equal Opportunity/Affirmative Action Employer. We encourage applications from minority candidates and women.

POSITIONS OPEN

ASSISTANT/ASSOCIATE PROFESSOR. The Department of Veterinary Pathology, School of Veterinary Medicine, Louisiana State University (LSU), invites applications for a tenure-track faculty position in experimental pathology. Applicants should have experience in pathobiology at molecular and cellular level. Ph.D. degree is required. D.V.M. and pathology Board desirable. Primary duties: development of an independently funded research program and graduate instruction. Salary commensurate with qualifications. Hire date is 1 September 1990 or until suitable candidate is selected. Applicants should submit curriculum vitae, names of three references, and summary of current research activities to: **Dr. H. W. Casey, Head, Department of Veterinary Pathology, Louisiana State University, Baton Rouge, LA 70803.** *LSU is an Equal Opportunity/Affirmative Action Employer.*

Two tenure-track **PHARMACEUTICS/PHARMACEUTICAL CHEMISTRY** positions, **ASSISTANT OR ASSOCIATE PROFESSOR** level, in the College of Pharmacy. Applicants should have a Ph.D. degree in pharmaceuticals, pharmaceutical chemistry, or a closely related field; postdoctoral experience is desirable. A research program is preferred at the molecular or cellular level, including areas such as physical pharmacy, targeted drug delivery, controlled release, and peptides/proteins. Review of applications will begin 1 June 1990 and continue until the positions are filled. Applicants should provide curriculum vitae, the names and addresses of three references, and a statement of research interests to: **Dr. Sylvan Frank, The Ohio State University, 500 West 12th Avenue, Columbus, OH 43210-1291.** *An Equal Opportunity/Affirmative Action Employer.*

URBAN ENTOMOLOGIST ASSISTANT/ASSOCIATE PROFESSOR

Twelve-month, tenure-track position to conduct basic and applied research on household/structural pests with emphasis on termites. Teach course and short courses in same. Ph.D. in entomology required. Training in urban entomology, population ecology, social insects, or pest management. Good communication skills and willingness to work with pest control industry. Complete position description available. Send letter of application, résumé, transcript, and names of three references to: **Dr. R. A. Goyer, Department of Entomology, Louisiana State University (LSU), Baton Rouge, LA 70803-1710** by 15 July 1990. *LSU is an Affirmative Action/Equal Opportunity Employer.*

PENNINGTON BIOMEDICAL RESEARCH CENTER ANNOUNCES

Openings for Molecular Nutrition Research Program. The Pennington Biomedical Research Center is a 223,000-square-foot research facility opened in 1987 and located near the Louisiana State University (LSU) campus in Baton Rouge, Louisiana. Positions include the following scientists:

- **PROGRAM CHIEF/PROFESSOR.** A tenure-track appointment in LSU and holder of the Claude Bernard Chair which has a \$1-million endowment at the center. The program chief will assemble and direct the scientific teams in molecular nutrition research; 10,000 square feet of wet laboratory space are currently available in our state-of-the-art facility for development of this program. There is a \$600,00 allowance for initial equipment purchases and the ability to recruit a team of additional scientists.

- **PROFESSOR.**
- **ASSOCIATE PROFESSOR.**
- **ASSISTANT PROFESSOR.**

A Ph.D. or M.D. and appropriate research experience in molecular biology and nutrition research are necessary. Expertise in aflatoxins, mycotoxins, or carcinogenesis research desirable for one of the tenured positions. Appropriate publication record required. Demonstrated ability to procure funding necessary. Qualified candidates should send their application by 1 August 1990 to:

**Dr. George Bray, Executive Director
Pennington Biomedical Research Center
6400 Perkins Road
Baton Rouge, LA 70808**

Attention: Human Resource Management
LSUMC is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR. Conduct research on growth factors and transcriptional elements involved in control and regulation of HIV expression within hematopoietic cells. Requirements include Ph.D. in biology; strong background in immunology, biochemistry, and molecular biology; and 3 years of research experience. Salary range: \$40,000 to \$45,000 per year. Contact: **Dr. J. E. Groopman, Chief, Division of Hematology/Oncology, New England Deaconess Hospital, 110 Francis Street, Boston, MA 02215.**

EXPERIMENTAL AVIAN BACTERIOLOGIST. The Department of Veterinary Science in the College of Agriculture at the Pennsylvania State University, University Park Campus, is seeking an experimental avian bacteriologist to fill a tenure-track position (12 months) at the **ASSISTANT PROFESSOR** level. Applications are invited from interested individuals who possess the Ph.D. degree. A D.V.M. or equivalent degree and Board certification by the American College of Veterinary Microbiologists are desirable. Responsibilities include a major commitment to develop and conduct a significant independent and collaborative research program in avian bacteriology, to develop and teach an independent graduate or undergraduate course in pathogenic bacteriology or a related area, to assist with advice and counsel the avian microbiology service of the Animal Diagnostic Laboratory, to advise undergraduate students in the Animal Bioscience Program, and to instruct graduate students. Opportunities exist for cooperative research within the department, college, and university. The deadline for nominations and applications is 15 July 1990 or until the position is filled. The starting date is negotiable. Send a current curriculum vitae, academic transcripts, and the names and addresses of three professional references to: **Dr. C. Channa Reddy, Chairman of the Search Committee, Department of Veterinary Science, W. L. Henning Building, Box 115A, University Park, PA 16802.** *An Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.*

Two positions: **PROFESSOR/ASSOCIATE PROFESSOR, ASSOCIATE/ASSISTANT PROFESSOR.** Broad training in human nutrition and metabolism with research interest focusing on diseases having a public health significance. Must have demonstrated record for maintaining a funded laboratory-based research program. Earned doctorate in nutritional science, biochemistry, or closely related field; record of significant research support; teaching experience; and nationally recognized research with significant publications in peer-reviewed journals. M.D. preferred for professor/associate professor.

Expected beginning date: 1 January 1991. Application deadline: 1 October 1990. *Affirmative Action/Equal Opportunity Employer.* Send curriculum vitae, selected publications, and three reference letters to: **John J. B. Anderson, Ph.D., Chair, Search Committee, Department of Nutrition, School of Public Health, University of North Carolina, CB#7400, McGavran-Greenberg Hall, Chapel Hill, NC 27599-7400.**

UNIVERSITY OF BERNE, SWITZERLAND

The Institute of Pharmacy, a part of the medical faculty of the University of Berne, has an open position for the head of the division of pharmaceutical technology and biopharmaceutics as a full-time **PROFESSOR** with an appointment limited for the present to 6 to 8 years.

The duties include student teaching in form of lectures and practical classes. Possibilities for research activities are given.

Applications with curriculum vitae, a list of publications, and reprints of the five major papers should be sent in quadruplicate before 30 June 1990 to the following address: **Erziehungsdirektion des Kantons Bern, Amt für Hochschulwesen (1300.76/89), Sulgeneckstrasse 70, CH-3010 Berne, Switzerland.**

IMMUNOLOGIST/DIRECTOR OF BASIC SCIENCES. The University of Pittsburgh, School of Dental Medicine, has a position available for an immunologist capable of directing a consolidated basic science unit. The successful candidate should have a Ph.D. with experience in immunology, administrative experience, and demonstrated success in NIH funding. A D.M.D. or equivalent degree is helpful but not mandatory. *Equal Opportunity/Affirmative Action Employer.* Send curriculum vitae to: **Dr. Jon B. Suzuki, Dean, University of Pittsburgh, School of Dental Medicine, 340 Salk Hall, 3501 Terrace Street, Pittsburgh, PA 15261.**

**CHIEF,
PHARMACEUTICAL
RESOURCES BRANCH
GM-15**

The Developmental Therapeutics Program plays a major role in the national effort to discover and develop agents for the treatment of cancer and AIDS. The program operates much like a pharmaceutical company, with the major functional elements found in such a company. The Pharmaceutical Resources Branch is responsible for the pharmaceutical aspects of the program, including large-scale synthesis, analytical chemistry, formulation development, large-scale manufacture of dosage forms, and shelf-life studies. These efforts are performed under contract by industrial and academic organizations nationwide, and are managed by the professional staff of the Branch. The Branch Chief directs this effort and coordinates the activities of the Branch with other preclinical and clinical components of the Division.

This position requires a Ph.D. (or equivalent) in biology, microbiology, pharmacology, chemistry, or pharmaceuticals. Preference will be given to candidates with extensive experience in drug discovery or development, especially as related to cancer or AIDS. Salary range is \$59,216 to \$76,982. U. S. Citizenship is required.

Candidates should send a copy of their Application for Federal Employment (SF-171), curriculum vitae and bibliography to:

**National Institutes of Health
National Cancer Institute
Personnel Mgmt. Branch
9000 Rockville Pike
Executive Plaza North,
Room T-43
Attn: JAC
Bethesda, Maryland 20892**

Applications must be received within 30 days of this announcement. For further technical information, interested parties may call Dr. Saul Schepartz (301)496-8720.

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Employer

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R.W. Johnson Pharmaceutical Research Institute (PRI) is the dynamic new R&D organization within Johnson & Johnson committed to drug discovery and development. We have the strength and backing to meet the challenges of today's competitive research environment, and establish PRI as one of the world's leading pharmaceutical R&D companies. You can be part of this exciting environment if you meet the requirements of one of the following openings at our campus-like facility located in an ideal rural setting near Princeton and convenient to both New York City and Philadelphia.

**POSTDOCTORAL RESEARCH SCIENTIST
(MOLECULAR BIOLOGY)**

This position requires a PhD in Molecular Biology, Microbiology, Biochemistry or related discipline and a strong background in protein structure/function relationships. Experience in receptor-ligand interactions and computer-based protein modeling and design are a plus. Working with our Protein Modeling Group, the selected candidate will investigate the structure/function relationships of hematopoietic growth factors and their receptors using recombinant DNA techniques, including restriction analysis, gene cloning, DNA hybridization, etc. (Dept. 20A)

**POSTDOCTORAL RESEARCH SCIENTIST
(PROTEIN CHEMISTRY)**

This position requires a PhD in Biochemistry or related discipline and experience with isolation, purification and characterization of proteins. You must be familiar with techniques such as HPLC, FPLC, peptide mapping, amino acid analysis and protein sequencing. Experience in carbohydrate structure determination is a plus. The selected candidate will be involved with structure/function relationship studies with hematopoietic growth factors. (Dept. 20B)

SENIOR IMMUNOLOGIST

The candidate we seek will have a PhD or equivalent in Immunology or related field and at least 6 years of experience in cellular and/or molecular immunology, to include autoimmune disease, transplantation immunobiology, characterization and analysis of cell surface receptors, and the generation of monoclonal antibodies. Advanced degree preferred. A proven record in conducting independent research in several aspects of immunoregulation, and the ability to set internal research directions and manage scientific collaborations with academia and other Company Divisions are all requisite. (Dept. 20C)

BIOCHEMIST

The successful candidate will have a PhD or equivalent in Biochemistry or related field and at least 2 years of experience in the purification and characterization of proteins and antibodies. A proven track record is required in developing novel purification schemes for lymphokines and growth factors from biological fluids and cell culture supernatants, and protein characterization using electrophoresis, Western blot, etc. Experience in developing ELISA and RIA-based assays a plus. You must have excellent interpersonal skills to interact with outside collaborators and team members. (Dept. 20D)

IMMUNOLOGIST

This position requires a PhD or equivalent in Immunology or related field and 1-5 years of experience in molecular and/or cellular biology. Your experience should include the generation and analysis of monoclonal antibodies, the measurement of cellular activation and signal transduction following the binding of ligands or antibodies to receptors on cell surfaces. A strong background in flow cytometry is required. (Dept. 20E)

We offer competitive salaries and the comprehensive benefits you would expect from a Johnson & Johnson Company including our on-site LIVE FOR LIFE WELLNESS program designed to make you a healthier, happier, and safer person. Please forward resume, including salary history to: Mr. Thomas Hutton, (indicate Dept. # for position of your choice), R.W. Johnson Pharmaceutical Research Institute, P.O. Box 300, Raritan, New Jersey 08869-0602.

An Equal Opportunity Employer, M/F



R W JOHNSON
PHARMACEUTICAL RESEARCH INSTITUTE

POSITIONS OPEN

CHAIRMAN DEPARTMENT OF PHYSIOLOGY

The Stritch School of Medicine of Loyola University Chicago invites applications and nominations for the position of Chairman of the Department of Physiology. We seek a learned doctorate, Ph.D. or M.D., with teaching, research, and service accomplishments commensurate with a tenured faculty appointment at the rank of Professor. A research interest in cardiovascular science with cellular and/or molecular dimensions would be preferred but all strong applicants will be considered. A proven record of scholarly activity, experience in attracting external research support, a commitment to graduate education, and good managerial skills are prerequisites.

Applications or nominations should be received by 1 August 1990 and should include curriculum vitae and the name of four references. They can be sent to:

John F. Moran, M.D.
Chairman, Search Committee
Loyola University Medical Center
Russo Room 1830
2160 South First Avenue
Maywood, IL 60153

CHAIRPERSON OF INTERPRETATION

The Florida Museum of Natural History, a unit of the University of Florida, seeks a chairperson for its Department of Interpretation. The department is responsible for exhibits, education, public programming, and special events. The departmental chairperson will hold the rank of curator (professor) on the University of Florida faculty and is eligible for tenure upon appointment. Applicants preferably should have a doctoral degree and an academic specialty in a museum or museum-related discipline and administrative experience in a natural history museum or related enterprise. Expected starting date is 1 January 1991; minimum salary is \$65,000. Send a letter of interest, curriculum vitae, names of five references, and other supportive materials to: J. T. Milanich, Search Committee, Florida Museum of Natural History, University of Florida, Gainesville, FL 32611-2035, by 30 July 1990. *Equal Employment Opportunity/Affirmative Action Employer.*

LABORATORY MANAGER IMMUNOLOGY/RHEUMATOLOGY THE CHILDREN'S MEMORIAL HOSPITAL

A Ph.D. with experience in immunology and molecular biology techniques is sought to apply these research interests to pediatric primary immunodeficiency disease and autoimmune rheumatic disease. Managerial skill will be helpful to direct this diagnostic laboratory, which is housed in the Department of Pediatrics of Northwestern University. A joint appointment in a basic science department may be arranged. The applicant is encouraged to obtain his/her own research funds. In order to ensure full consideration, please send curriculum vitae and the names of three people who may be contacted for recommendations by 15 June 1990 to: Lauren M. Pachman, M.D., Professor of Pediatrics, Immunology/Rheumatology, The Children's Memorial Hospital, 2300 Children's Plaza, Box 50, Chicago, IL 60614. *Children's Memorial Hospital is an Equal Opportunity/Affirmative Action Employer.*

DAIRY TECHNOLOGIST. To conduct applied research regarding the utilization of soybeans in feta cheese substitute products. Research will concentrate on correcting the beany aftertaste and nutritional deficiencies of soybeans and improving the melting and stretching properties of the soybean curd. Conduct experiments using nuclear magnetic resonance (NMR) apparatus to detect the structure of the soybean molecule to confirm changes due to enzyme actions. Applicant must have Ph.D. in food science or food chemistry and must know the organoleptic and functional properties of feta cheese. Forty hours work week (9:00 a.m. to 5:00 p.m., Monday through Friday). Salary: \$30,000 per year. Applicants should send résumés to: Illinois Department of Employment Security, 401 South State Street-3 South, Chicago, IL 60605, Attention: Connie M. Evans, Reference #V-IL-9732-E. *An employer-paid ad.*

POSITIONS OPEN

EXECUTIVE DIRECTOR

The Henry M. Jackson Foundation for the Advancement of Military Medicine is seeking a chief executive officer to be responsible for overall planning and operations, and for maintenance of an active program of military medicine projects within the foundation.

The Jackson Foundation is a private, not-for-profit corporation established by public law and carries out medical research and education projects under cooperative arrangements with the Uniformed Services University of the Health Sciences and other medical institutions. The foundation serves as a focus for the interchange of information between military and civilian medical personnel. Presently, foundation research/clinical investigative projects number over 140 and are being conducted in 15 academic departments of the university. The foundation also administers a large HIV research grant and a major program involving AIDS education.

Candidates should possess the following qualifications:

- Broad experience and thorough knowledge of university level academics, the basic sciences, the medical profession, medical scientific research, the health professions within the military departments, and medical administration.
- Advanced degree (doctoral level preferred) with at least 5 years of experience in military medicine or other uniformed services.
- Knowledge of corporate and foundation organizational structures.
- Knowledge and understanding of Department of Defense initiatives and needs of military medicine.
- Knowledge and understanding of the national legislative process.
- Ability to function independently with members of Congress and corporate executives.
- Be familiar and able to work in collaboration with the Uniformed Services University of the Health Sciences and other medical organizations.

For consideration of this position, please send curriculum vitae to: Deputy Executive Director, Henry M. Jackson Foundation for the Advancement of Military Medicine, 11426 Rockville Pike, Suite 400, Rockville, MD 20852. *The Jackson Foundation is an Equal Opportunity Employer.*

HEAD, DEPARTMENT OF AGRONOMY.

Nominations and applications are invited for the position of department head and professor of agronomy at Purdue University. The department head provides leadership while administering research, teaching, extension, and international programs of the Department of Agronomy. Candidates must have a Ph.D. degree, be eligible for tenure at the rank of full professor, and have professional experience in an area related to departmental programs. The department head should have leadership and administrative abilities, appreciation for the diverse interests and missions of the department, and support the philosophy of the land grant university. Applicants should send a letter of application, a statement of philosophy emphasizing their ability to foster faculty development and program growth into the 21st century, curriculum vitae, and names, addresses, and telephone numbers of five references. Applications or nominations must be received by 1 August 1990 (or until a suitable candidate is found). Send applications to: Dr. R. L. Thompson, Dean of Agriculture, Attention: Agronomy Head Search Committee, Agricultural Administration Building, Purdue University, West Lafayette, IN 47907-7899. *Purdue University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.*

ECOSYSTEM/ATMOSPHERE EXCHANGES

The Woods Hole Research Center is seeking an atmospheric scientist or ecologist with experience and interest in the exchange of energy, water, and trace gases between the atmosphere and terrestrial ecosystems. The work will include measurements of flux and modeling of exchanges at the ecosystem or regional level and will be part of a continuing program on climate change, trace gas emissions, and land-use change. Ph.D. required. Appointment at ASSISTANT, ASSOCIATE OR SENIOR SCIENTIST level. Send letter, résumé, and names of three references by 15 June 1990 to: Atmospheric Search Committee, Woods Hole Research Center, 13 Church Street, P.O. Box 296, Woods Hole, MA 02543. *A smoke-free institution. Equal Opportunity Employer.*

BIOLOGISTS

Molecular Biologists

DNX is an established leader in the emerging field of transgenic sciences, developing enhanced biological models for viral disease and DNA mutagen testing. Career opportunities currently exist in our new Molecular Biology Center in Princeton, N.J.

Research Scientist:

Positions are available for the PhD level scientist, with at least 1-3 years post-doctoral training, to conduct independent research in one of several multidisciplinary groups. Experience in recombinant DNA techniques, gene expression, microinjection and/or virology is helpful.

Research Associate:

Several openings exist for the BS or MS level scientist with 2-3+ years laboratory experience using recombinant DNA technology.

DNX offers an excellent working environment and an ideal location (midway between New York and Philadelphia), as well as competitive compensation and a superior benefits package. Individuals interested in a challenging opportunity at an exciting and rapidly growing company are invited to submit a curriculum vitae or resume and the names of three references to:

DNX Employment Manager, DNX,
303B College Road East,
Princeton, NJ 08540.

BIOANALYTICAL CHEMIST

The Research Triangle Institute's Center for Bioorganic Chemistry has an opening in its bio-analytical staff for a qualified individual with training in chromatographic sciences.

The successful candidate will be a part of interdisciplinary teams to accomplish diverse research goals. He/she will participate both in existing programs and in the development of new or expanded research areas. Principal responsibilities will be development of analyses for drugs, environmental chemicals, peptides and proteins in biological matrices by capillary GC, HPLC and/or electrophoresis.

Applicants should have a Ph.D. in analytical chemistry and experience in development of high performance chromatographic assays of trace components in complex mixtures. Post doctoral experience is desirable. Applicants with a Ph.D. in a closely related area, and considerable documented training and experience in chromatographic analyses will also be considered.

RTI is a well established not-for-profit research organization with a staff of approximately 1,500. We are located in the Raleigh/Durham/Chapel Hill area of North Carolina, which is a center of pharmaceutical, environmental and other scientific research. We offer a competitive salary and a comprehensive employee benefits package.

Interested applicants should send their curriculum vitae and letter of interest to:

Research Triangle Institute
Office of Human Resources (BOC-A)
P. O. Box 12194
Research Triangle Park, NC 27709

RTI

An Equal Opportunity/Affirmative Action Employer

Dean—School of Veterinary Medicine University of California, Davis

The University of California, Davis invites applications and nominations for the position of Dean of the School of Veterinary Medicine and Director of the Division of Agriculture and Natural Resources Programs (Veterinary Medicine).

The Dean is the chief academic and administrative officer of the School responsible for leadership of the School in the areas of teaching, research, and professional service; developing and managing resources; representing the School to Campus and University Administration; and interacting with the veterinary community and governmental leaders at local, state, and national levels.

Qualifications include a D.V.M. or equivalent degree, a distinguished record of teaching and research, and demonstrated leadership and administrative abilities. We seek candidates who have a deep commitment to academic excellence and to affirmative action; who understand the challenges posed by changes in the national veterinary environment; and who will be able to lead the School in its continuing development and in fulfilling its mission as part of a major land-grant University.

Salary will be commensurate with experience and qualifications. The starting date will be 1 July 1991, or as negotiated.

Nominations and applications are desired by 1 September 1990 and should be sent to Chancellor Theodore L. Hullar, Office of the Chancellor, University of California, Davis, CA 95616-8558. The position will remain open until filled.

An Equal Opportunity—Affirmative Action Employer

Health Scientist Administrator in Endocrinology

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) seeks an endocrinologist (Ph.D., M.D., or equivalent) with a track record of research accomplishment and excellent interpersonal and written communication skills to serve as Health Scientist Administrator (GS-12 -13 or -14) for its Hormone Distribution Program and a component of its Endocrinology Research Program. The position involves administration of grants and contracts, program planning and development, close interaction with leading endocrine researchers, and the opportunity to organize and/or attend scientific meetings. The position is available July 1990 at a salary range of \$35,825 to \$65,444 per annum. Please submit an Application for Federal Employment (SF-171) and/or CV and bibliography by June 30, 1990 to:

Judith E. Fradkin, M.D., Chief
Endocrinology and Metabolic
Diseases Programs Branch
National Institute of Diabetes
& Digestive & Kidney Diseases
National Institutes of Health
Westwood Building, Room 603
5333 Westbard Avenue
Bethesda, Maryland 20892



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A B B O T T L A B O R A T O R I E S

Abbott Biotech is a subsidiary of Abbott Laboratories, a Fortune 100 corporation devoted to the discovery, development, manufacture, sale and distribution of diverse health care products. Currently we have the following opportunities available:

HEAD OF PROTEIN CHEMISTRY

The selected individual will direct a group of protein chemists in collaboration with Molecular Biology, Cell Biology, and Immunology groups in the development of assays, purification, and characterization of genetically engineered proteins. A Ph.D. is required, along with at least 4 years experience. The candidate must have basic protein chemistry skills, experience with protein sequencing, peptide mapping, and amino acid analysis. Knowledge of immunochemistry, receptor biochemistry and plasminogen activators is preferred. Purification from prokaryotic expression systems as well as mammalian cell culture is desired.

POSTDOCTORAL POSITION

MOLECULAR IMMUNOLOGY/ANTIBODY ENGINEERING

The selected candidate will work in a collaborative program between Abbott Biotech and the Research Institute of Scripps Clinic on new tumor models for the development of immunotherapeutics. Research will involve the novel uses of genetically engineered antibodies for the therapy of metastatic melanoma in new animal model systems. We seek a highly motivated individual with a Ph.D. and experience in molecular biology and immunology. The position will be supported by a grant from the NCI and will be under the supervision of Dr. Stephen Gilles.

Abbott Biotech is located in an attractive suburban setting 15 miles west of Boston. We provide competitive compensation and benefits including a profit sharing and a stock retirement plan. For consideration, please send your curriculum vitae and three references to: Human Resources, Abbott Biotech Inc., 119 4th Avenue, Needham Heights, MA 02194. Abbott is an Affirmative Action Employer.

ABBOTT LABORATORIES



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POSITIONS OPEN

DIRECTOR. Use of Alternatives in Animal Research, Teaching, and Testing Program, University of California, Davis, School of Veterinary Medicine. Applications and nominations are invited for the directorship of the Use of Alternatives in Animal Research, Teaching, and Testing Program, centered on the Davis campus of the University of California. The director will hold a joint administrative and academic appointment in a suitable academic department as a faculty member of the university. The director will lead the development and the management of the systemwide University of California Program on the Use of Alternatives in Animal Research, Teaching, and Testing. Applicants should have a background of successful administrative leadership and of achievement in scientific research in an appropriate field; a demonstrated interest and commitment to the goals and objectives of the Animal Alternatives Program; a working knowledge of information systems; an ability to deal effectively with diverse groups, including faculty, students, administrators, government, and the community; an ability and commitment to negotiate and secure funding for programmatic research and development; and a commitment to the Affirmative Action goals of the campus. Applicants should submit curriculum vitae with the names of three references to: **Dean Edward A. Rhode, School of Veterinary Medicine, University of California, Davis, CA 95616.** Applications will be accepted through 16 July 1990 or until a suitable candidate is identified. *The University of California is an Equal Opportunity/Affirmative Action Employer.*

ANTIBODY ENGINEERING SERVICE FACILITY COORDINATOR

The University of California-Davis invites applications for a coordinator of the Antibody Engineering Service Facility, a new unit being established to serve a large program project grant. Qualifications include a Ph.D. in the field of immunology, biochemistry, or related areas with experience in production of monoclonal and polyclonal antibodies and/or recombinant DNA technology. Experience in the development of immunoassays for quantitative measurement of small organic molecules is highly desirable. Appointee should have a strong record of research productivity, an interest in collaborative research and service, and an ability to secure extramural funding for research. Major responsibilities for the coordinator include providing monoclonal, polyclonal, and/or recombinant antibodies for campus investigators; advising investigators regarding hapten synthesis and ways of improving sensitivity of antibody immunoassays; and establishing protocols and maintaining quality control in the production of antibodies. Applicants should submit curriculum vitae, names of three references, and a statement of research interests by 2 July 1990 to: **Bruce Hammock, Chair, Antibody Engineering Service Facility Search Committee, Division of Biological Sciences, University of California, Davis, CA 95616.** *The University of California is an Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITION IN MOLECULAR GENETICS

ASSISTANT OR ASSOCIATE PROFESSOR in the Department of Genetics, Harvard Medical School, to form and direct a new molecular genetics unit, situated in the Mailman Research Center (MRC) of McLean Hospital.

The appointee will be expected to establish an independent research program in the molecular biology of vertebrate or invertebrate systems with relevance to neuroscience and to have an interest in interacting with existing neurobiology research programs at the center.

The MRC is a 45,000-square-foot facility entirely devoted to clinical and basic research in the neurosciences with laboratories for neuroanatomy, neurohistology, neurobiology, neuropathology, neurochemistry, molecular neurobiology, development neurobiology, neuropharmacology, neuroregeneration, molecular pharmacology, and experimental psychology. The center also has a federally funded clinical research center and a brain bank.

Applicants should send their curriculum vitae, a statement of their research interests, and the names of three references by 1 August 1990 to: **Bruce M. Cohen, M.D., Ph.D., Chairman, Molecular Genetics Search Committee, McLean Hospital, Mailman Research Center, 115 Mill Street, Belmont, MA 02178.** *McLean Hospital and Harvard Medical School are Equal Opportunity Employers, and we are especially eager to identify qualified women and minority candidates.*

POSITIONS OPEN

NATIONAL INSTITUTE ON AGING (NIA) NATIONAL INSTITUTES OF HEALTH (NIH) RESEARCH PROGRAM DIRECTOR

NIA's Geriatrics Branch seeks two extramural program directors: one for musculoskeletal/physical performance/rehabilitation research, one for cardiovascular research. Activities include planning and implementing research initiatives through program announcements and requests for applications, communicating research results and needs to DHHS and Congress, and administrative oversight of proposals and grants. Doctorate or equivalent and research experience required. Background in aging and familiarity with NIH desirable. Individuals may be hired through the civil service or Public Health Service Commissioned Corps, at salaries commensurate with qualifications and experience. Physicians may be eligible for bonus of up to \$20,000. These are permanent positions, but shorter term appointments are possible. Call **Dr. Evan Hadley** at 301-496-6761 about scientific and administrative aspects of these positions. To apply, send Application for Federal Employment (SF-171) and curriculum vitae to: **Ms. Ann Baldwin, 9000 Rockville Pike, Building 31, Room 2C11, Bethesda, MD 20892,** by 15 July 1990. Call **Ms. Baldwin** at 301-496-5347 about application procedures, salaries, and benefits. *U.S. citizenship required. NIH is an Equal Opportunity Employer.*

CONSERVATION SCIENTISTS

World Wildlife Fund (WWF), and The Conservation Foundation (CF), a leading international conservation organization working worldwide to protect wildlands and wildlife, is developing a new program in conservation science. WWF seeks three conservation scientists in the fields of botany/plant ecology, vertebrate ecology, and marine biology.

Responsibilities include significant research and writing on appropriate topics in conservation science, technical assistance to WWF regional and thematic programs, and collaboration with WWF communications and development efforts.

Candidates must have a Ph.D., a strong field research and publication record, considerable tropical experience, excellent verbal and written English, and command of a foreign language (preferably French or Spanish).

Send cover letter, résumé, brief statement of research goals, and names of three references to: **Human Resources, Department 27F, World Wildlife Fund, 1250 24th Street, N.W., Washington, DC 20037.** Salary and benefits appropriate to U.S. nonprofit sector. Positions available beginning 1 July 1990. *Equal Opportunity Employer.*

EXTENSION AGRICHEMICAL SPECIALIST, E-2/E-3. ASSISTANT/ASSOCIATE PROFESSOR level; 12 months, tenure track. To provide information to Washington State University (WSU) faculty and to residents of Washington on the properties of, and regulations concerning, all pesticides. Requires Ph.D. in an agricultural specialty, or toxicology, with emphasis on pesticides. Details available from: **Dr. Robert Harwood or Dr. Garrell Long, Department of Entomology, Washington State University, Pullman, WA 99164-6432.** Telephone: 509-335-5504. Application deadline: 15 August 1990. *Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITIONS DIVISION OF BASIC SCIENCES FRED HUTCHINSON CANCER RESEARCH CENTER (FHRC)

The Division of Basic Sciences at the FHRC has faculty positions available (any rank). The division is a broadly based, highly interactive group of 29 faculty members conducting research in cellular and molecular biology. Candidates will be selected primarily on the quality of their research, as opposed to specific topics, but the group is seeking to build strength in some specific areas including: growth regulation, mammalian development, immunobiology, tumor biology, protein biochemistry, and prokaryotic molecular genetics. Candidates should send curriculum vitae, a concise statement of their research plans, and three letters of reference to: **New Staff Committee, Fred Hutchinson Cancer Research Center, Division of Basic Sciences, 1124 Columbia Street, Seattle, WA 98104** on or before 1 July 1990.

FHRC is a smoke-free environment and an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

FACULTY POSITIONS

The Department of Microbiology and Immunology at the Medical University of South Carolina invites applications for two tenure-track positions at the **ASSISTANT/ASSOCIATE PROFESSOR** level in the Colleges of Medicine and Dental Medicine. Applicants should have a relevant doctoral degree, and a background in either virology or microbiology with experience in molecular biology. Successful candidates may participate in the teaching of medical, dental, or graduate students, but the major requirements will be a strong record of research accomplishment and the ability and desire to undertake a vigorous independent research program in a relevant area. Applicants should send curriculum vitae, a summary of ongoing research interests and future research plans, and the names of three references to: **Dr. T. B. Higder, Department of Microbiology and Immunology, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425.** *An Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITION ASSISTANT OR ASSOCIATE PROFESSOR OF ENVIRONMENTAL MICROBIOLOGY

The Department of Biomedical and Environmental Health Sciences, School of Public Health, University of California at Berkeley, invites applications for an academic year, tenure-track appointment at the assistant or associate professor level, beginning fall of 1990 or spring of 1991. Applicants must have a Ph.D. or professional doctoral degree in a biological science or public health, and at least 1 year of postdoctoral experience. The appointee will be expected to establish a research program in environmental microbiology emphasizing the interactions of pathogenic infectious disease agents with the environment and human populations. The microbiological specialty may be in virology, bacteriology, mycology, and/or parasitology. Teaching duties will include a graduate course in infectious diseases.

Applicants should send curriculum vitae and the names and addresses of three references by 31 July 1990 to: **Dr. James L. Hardy, Chair, Search Committee, Department of Biomedical and Environmental Health Sciences, School of Public Health, 140 Warren Hall, University of California, Berkeley, CA 94720.**

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

BIOTECHNOLOGY FACULTY POSITION

The Department of Food Science, University of Massachusetts at Amherst invites applications for qualified individuals to fill a tenure-track faculty position in food biotechnology involving two-thirds research and one-third teaching at the **ASSISTANT PROFESSOR** level. A Ph.D. in food science, biochemistry, microbiology, molecular and cell biology, or a closely related field is required and postdoctoral experience is desirable. Advising students, participation in team teaching at the undergraduate level, and development of a food biotechnology course are expected. The appointee will develop a research program involving immunological, genetic, microbial, enzymic, or tissue culture techniques to enhance departmental activities in food safety, food quality, and product and process development and attract extramural grants. Active participation in the university's biotechnology program and in its molecular and cell biology program is encouraged. Salary is competitive and commensurate with qualifications and experience. Applications are requested by 1 July 1990, but the search will remain open until the position is filled. Applicants should submit transcripts and résumé and have four letters of reference sent to: **Dr. Robert E. Levin, Chair, Biotechnology Search Committee, Department of Food Science, University of Massachusetts, Amherst, MA 01003.** *The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer.*

BIOLOGY INSTRUCTOR. Full time, starting 15 August 1990. Ph.D. preferred. Duties include lecturing in, and laboratory coordination of, introductory biology courses, including environmental biology and/or physiology, and seeking instructional development funding. Submit by 7 July 1990: résumé, letter outlining career objectives, and three letters of recommendation to: **Instructor Search Committee, Department of Biological Sciences, Bowling Green State University, Bowling Green, OH 43403.** *Affirmative Action/Equal Opportunity Employer.*

**ENIMONT
AMERICA
INC.**

(formerly EniChem Americas, Inc.), a subsidiary of an Italian-based major international chemical company. Immediate openings exist which present unique opportunities to join a multidisciplinary group of scientists developing programs in crop improvement through Biotechnology in our Research Center's Biotechnology Laboratory Plant near Princeton, New Jersey.

**MOLECULAR
BIOLOGIST**

We are particularly interested in candidates with a strong background in molecular biology coupled with specific expertise in isolation and characterization of regulatory regions from eukaryotic genes, gene expression and gene constructions. Direct experience in higher plant systems is very desirable but not essential, A Ph.D. and at least several years of relevant experience are required.

**POSTDOCTORAL
CELL BIOLOGIST**

This position involves joining an established maize transformation research team and will provide an opportunity to develop expertise in maize tissue culture, transformation technology and molecular analysis. We are particularly interested in candidates who already have experience in the initiation and development of embryogenic cell cultures, and are interested in applying this to crop improvement.

The successful candidates will enjoy the benefits of joining a new research team in a well-equipped, custom designed facility supported by a major European corporation.

If interested, please submit your Curriculum Vitae (including 3 references with their addresses and phone numbers) indicating position desired to:

Personnel Coordinator

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Monmouth Junction, NJ 08852

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**Research
Scientists
Antipsychotics**

Parke-Davis Pharmaceutical Research Division, Warner-Lambert Company, has 2 immediate openings for Scientists in the Neurosciences Pharmacology section. Successful candidates will join an experienced and interactive team of dedicated scientists working in the areas of Antipsychotics.

**Research Scientist:
Molecular Biology of
Neurotransmitter Receptors**

The successful applicant will apply molecular biology techniques to the study of CNS receptor proteins and other targets. This individual will collaborate with molecular geneticists and biochemical pharmacologists in the development of novel probes, in the cloning and expression of receptors and in the utilization of this technology for biochemical assay methods. The selected applicant will conduct exploratory research on new mechanistic approaches and will participate as a member of a multidisciplinary drug discovery team developing novel treatments for psychiatric disorders.

Qualifications include a Ph.D. in Cell or Molecular Biology, Biochemistry or Pharmacology, 2+ years' postdoctoral training and strong oral and written communication skills. Biochemical pharmacology experience and psychopharmacology interest desirable.

**Associate/
Assistant Research Scientist:
Biochemical Neuropharmacology**

The successful applicant will apply biochemical techniques to the evaluation of novel chemical agents. This individual will help to develop and conduct assays to evaluate radioligand binding, enzyme kinetics and receptor-second messenger interactions on biological tissues including cultured brain cells. The selected applicant will participate in exploratory research on new mechanistic approaches and will interact with other CNS pharmacologists in the identification of new drugs for psychiatric disorders.

Qualifications include an MS or BS degree in Biology or other life sciences discipline, laboratory experience with biochemical assay methods, including radioligand binding assays; tissue culture experience advantageous.

Interested candidates should send their curriculum vitae to **Mr. Bill Burmeister, PARKE-DAVIS Pharmaceutical Research, 2800 Plymouth Road, Ann Arbor, MI 48105.** "Smoke-Free Work Environment"

"Equal Opportunity In Action"

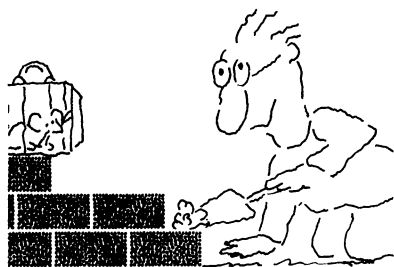
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POSITIONS OPEN

FACULTY POSITION IN ANATOMY

The Department of Animal Science, College of Veterinary Medicine, The University of Tennessee, is accepting applications for a full-time, tenure-track faculty position in anatomy at the **ASSISTANT/ASSOCIATE PROFESSOR** level. Persons applying should possess the Ph.D. and/or D.V.M. degree and have suitable training or experience. Applications will be reviewed 15 August 1990 and thereafter until the position is filled. The successful candidate will be responsible for instructing in the team-taught two-semester sequence of veterinary macroscopic anatomy, conducting original funded research in the area of their specialty, and teaching relevant graduate courses. Collaboration with other faculty and the supervision of graduate students is strongly encouraged. Salary is commensurate with experience and qualifications. *Women and minorities are encouraged to apply.*

Qualified applicants are invited to submit a letter of application, current curriculum vitae, statement of research interest, and names of three references to: **Dr. T. W. Schultz, Chair, Search Committee, Department of Animal Science, College of Veterinary Medicine, The University of Tennessee, P.O. Box 1071, Knoxville, TN 37901. An Equal Opportunity/Affirmative Action Employer.**

PHARMACOLOGY POSITIONS IN GREECE

Several tenure-track positions are available in the Departments of Medicine and Pharmacy, School of Health Sciences, University of Patras, Greece. *The candidates must be Greek citizens without military obligations and with post-doctoral and teaching experience.* Duties include teaching and research work. Please submit curriculum vitae to: **Professor S. Papaioannou Department of Pharmacy, University of Patras, Greece 26110. Telephone: (061) 991677.**

THE HEBREW UNIVERSITY HADASSAH MEDICAL SCHOOL JERUSALEM FACULTY POSITIONS

The Faculty of Medicine invites applications for tenure-track faculty positions and for Allon Fellowship Candidates leading to tenure-track positions in basic medical sciences. Preference will be given to candidates that utilize modern molecular approaches in the following areas: medical microbiology, human genetics, parasitology, biotechnology, cell biology, physiology, and pharmaceutical sciences. In addition, applications are also sought in the field of public health: nutrition, epidemiology, and health administration. Ph.D. and/or M.D. degree and postdoctoral training are required. Excellence in research and teaching will be of prime importance in the decisions of the search committee. Candidates are expected to develop independent research. Send curriculum vitae, list of publications, three to five selected reprints, research plans, and three letters of recommendation to: **Dean, Professor S. Razin, Office of the Dean, P.O.B. 1172, 91010 Jerusalem, Israel, not later than 30 September 1990.**

TENURE-TRACK APPOINTMENT IN ENVIRONMENTAL BIOLOGY

The Environmental Science and Engineering Interdepartmental Program and Department of Environmental Health Sciences, University of California, Los Angeles (UCLA), School of Public Health. Tenure-track faculty member in the general area of environmental biology. Specific research areas could be in ecology, ecotoxicology, conservation biology, impacts of pollutants on plant or animal systems, or related areas. Awareness of and interest in policy-related implications of environmental biology will be important, especially in relation to teaching and student guidance. Candidates should have an earned doctorate and several years of experience. The level of this appointment is open; rank and salary will be commensurate with qualifications. The selected individual will serve as one of four core faculty members in the Environmental Science and Engineering Program, which is entirely at the doctoral level. *UCLA is an Affirmative Action/Equal Opportunity Employer.* Interested applicants should submit résumés by 1 September 1990 to: **Chair, Search Committee for Environmental Biologist, Environmental Science and Engineering Program, School of Public Health, University of California, Los Angeles, CA 90024.**

POSITIONS OPEN

FACULTY POSITION IN MICROBIOLOGY AND IMMUNOLOGY

The Department of Microbiology and Immunology, University of Health Sciences/The Chicago Medical School, invites applications for tenure-track faculty position at the rank of **ASSISTANT, ASSOCIATE, OR FULL PROFESSOR**. Applicants must have a Ph.D. and/or M.D. degree with solid training, research experiences, and interests in medical virology, molecular biology, or immunogenetics. The successful candidate will be expected to develop and maintain a strong independent research in the field of molecular virology and to participate in teaching medical and graduate students. The salary will be commensurate with qualifications and a negotiable starting date. Applicants should send curriculum vitae, a brief outline of current and future research plans, and the names of three references to: **Yoon Berm Kim, M.D., Ph.D., Professor and Chairman, Department of Microbiology and Immunology, University of Health Sciences/The Chicago Medical School, 3333 Green Bay Road, North Chicago, IL 60064.**

TEMPORARY FACULTY OPENING. Kalamazoo College invites applications for a temporary faculty position in the Chemistry Department beginning in September 1990 with the eventual possibility of its becoming a tenure-track appointment. The principal teaching responsibilities in 1990-91 include general chemistry with possible involvement in a senior-level instrumental analysis course. Applicants must have a Ph.D. in any subdiscipline of chemistry. Kalamazoo College is a residential liberal arts institution of 1200 students in a metropolitan area of over 100,000 located midway between Chicago and Detroit. Applicants should submit a résumé, undergraduate and graduate transcripts, and three letters of recommendation to: **Professor Laurence E. Wilson, Department of Chemistry, Kalamazoo College, Kalamazoo, MI 49007.** The search will continue until the position is filled. *Kalamazoo College is committed to diversity and particularly encourages women and minorities to apply. Affirmative Action/Equal Opportunity Employer. American Chemical Society accredited program.*

MOLECULAR NEURO-ONCOLOGIST UNIVERSITY OF FLORIDA COLLEGE OF MEDICINE

The Department of Pediatrics seeks a molecular neurobiologist to direct a newly established Neuro-Oncology Laboratory, at the **ASSISTANT/ASSOCIATE PROFESSOR** level. Anticipated start date: 1 August 1990. A Ph.D. and postdoctoral experience is required for this tenure-track position. The Neuro-Oncology Laboratory is an integral part of a newly developing Neuro-Science Center. Qualified individuals will direct and participate in the experimental plan development and execution, technician training, and supervision; write and direct research proposals relating to the biology of brain tumors. Salary is commensurate with experience. Send curriculum vitae, record of grant support, bibliography, three letters of recommendation, and a brief description of future research plans by 2 July 1990 to: **Bernard Maria, M.D., Pediatric Neurology, Box J-296, JHMH, Gainesville, FL 32610. An Equal Employment Opportunity/Affirmative Action Employer.**

MOLECULAR VIROLOGIST YALE UNIVERSITY SCHOOL OF MEDICINE

The Department of Epidemiology and Public Health invites applications for a position at the **ASSISTANT PROFESSOR** level in the Yale Arbovirus Research Unit, available 1 January 1991. Candidates should have postdoctoral research experience in molecular virology, potential to obtain research support, and an interest in the molecular epidemiology, antigenic relationships, and/or evolution of arboviruses. The appointee will be expected to interact with other members of the unit, to assist in arbovirus reference center activities, to develop an independent research program, and to participate in teaching of graduate students. Send curriculum vitae, a summary of research interests, and names of three references by 1 September 1990 to: **Dr. Robert E. Shope, Department of Epidemiology and Public Health, Yale University School of Medicine, P.O. Box 3333, New Haven, CT 06510. Yale University is an Equal Opportunity/Affirmative Action Employer.**

THE UNIVERSITY OF NEW SOUTH WALES
Sydney, Australia

PROFESSOR OF FOOD TECHNOLOGY

SCHOOL OF APPLIED BIOSCIENCE
Faculty of Applied Science

Applications are invited for appointment to the Chair of Food Technology within the Department of Food Science and Technology in the School of Applied Bioscience. The position has become vacant following the retirement of the Foundation Professor, R.A. Edwards.

Applications are invited from persons who have achieved distinction in one or more areas of food science and technology. The appointee will be expected to provide academic leadership in all aspects of the Department's activities and develop and strengthen relationships with industry, government and research institutes. He/she should possess a proven research record, successful teaching experience at the tertiary level and the ability to develop academic programs at both the undergraduate and postgraduate level. The appointee will be expected to serve as Head of the Department of Food Science and Technology and also serve as Head of the School of Applied Bioscience for a term or terms if so requested. The School consists of the Department of Food Science and Technology, with 10 academic and 17 support staff, and the Department of Biotechnology with 9 academic and 11 support staff. The School's total graduate student enrollment is about 170.

The Department of Food Science and Technology conducts both 4-year full-time and 6-year part-time Bachelor of Science courses in food technology with a current enrollment of 120 students. Postgraduate formal courses include a Graduate Diploma in Food Technology and Master of Applied Science courses in Food Technology and Food Engineering, and research degrees of Master of Science and Doctor of Philosophy. Postgraduate numbers are about 90, of whom 40 are MSc and PhD students. The Department has extensive research programs and a total staff complement, including externally funded personnel, of 37. In 1988 the Department set up the Food Industry Development Centre funded by the Australian Government as a Key Centre for Teaching and Research.

The Department has strong links with the Australian food industry and is actively working to assist development and innovation in support of national trade and social objectives. It also has a strong commitment to regional development.

The University reserves the right not to make an appointment or to make an appointment by invitation. Salary: A\$65,837 per annum (currently under review).

Subject to consent by the University. Professors may undertake a limited amount of higher consultative work. Further information can be obtained from Professor Peter Gray, Head, School of Applied Science (tel. Sydney 697 2061) or Professor Gerald Govett, Dean, Faculty of Applied Science (tel. Sydney 697 4270). Details of the position, together with the conditions of appointment and application procedure are available from the Senior Appointments Unit, University of New South Wales, PO Box 1, Kensington, NSW 2033, Australia. Applications should be submitted to the SAU by 30 June 1990.

Equality of Employment Opportunity is university policy.

National Institute on Alcohol Abuse and Alcoholism

Molecular Neurobiology Post-Doctoral Positions

The Section on Molecular Neurobiology, National Institute on Alcohol Abuse and Alcoholism (NIAAA) has positions available immediately to (i) clone and sequence ion channel receptors and (ii) elucidate the molecular basis of alcohol's effects on ion channel receptor function. Approaches to be used include: cDNA cloning, PCR techniques, *Xenopus* oocyte expression, site-directed mutagenesis, ligand binding and electrophysiology. Applicants must have less than three years previous post-doctoral experience. Annual salary is \$25,000 - \$28,000. Applicants with expertise and interests in molecular neurobiology, *Xenopus* expression systems and electrophysiology are encouraged to apply. Please send curriculum vitae and three letters of reference to:

Claire M. Fraser, Ph.D., Chief
Section on Molecular Neurobiology
Laboratory of Physiologic and
Pharmacologic Studies
NIAAA/NIH
12501 Washington Avenue
Rockville, Maryland 20852



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IMMUNOCHEMISTRY

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Research Opportunities

To support our growing research program in the Atmospheric & Geophysical Sciences Division, we are inviting applications for postdoctoral, term, and career appointments in the following areas:

- Diagnosis and analysis of results from global atmospheric, chemical and oceanic models.
- Development and improvement of algorithms for treating physical, radiative, and chemical process in global and mesoscale atmospheric and oceanic models.
- Development of cloud models and cloud microphysical processes.
- Assembly and processing of observational data sets for comparison with model results.

Level of appointment will be commensurate with education and experience. Candidates for term appointments should have an MS or PhD with a minimum of two years research experience. Candidates for career appointments should have a PhD and a minimum of five years research experience.

LLNL offers an excellent compensation and benefits package. For immediate consideration forward your resume to: **Barbara Tuck, Professional Staffing, Lawrence Livermore National Laboratory, P.O. Box 5510, L-725, Dept. A90296, Livermore, CA 94550.** U.S. citizenship required. Equal Opportunity Employer.

University of California



**Lawrence Livermore
National Laboratory**

POSITIONS OPEN

MARINE BIOLOGIST. With background in marine birds and/or mammals. Moss Landing Marine Laboratories (MLML) is seeking a tenure-track, probationary appointment at the **ASSISTANT OR ASSOCIATE PROFESSOR** level to provide quality undergraduate and graduate instruction, and to pursue a vigorous research program on some aspect of sea birds and/or marine mammals. Teaching responsibilities include courses in marine birds and mammals and statistics. A Ph.D. is required. The salary range for assistant professor level is \$30,276 to \$41,844; associate professor level is \$38,112 to \$52,896/academic year. The position may be filled as early as spring of 1991.

Moss Landing Marine Laboratories is located on Monterey Bay, an area noted for abundant, diverse populations of sea birds and marine mammals. The Laboratories are operated by a consortium of California State University campuses including Fresno, Hayward, Sacramento, San Francisco, San Jose, and Stanislaus.

Send curriculum vitae, representative reprints and the names of three referees by 1 September 1990 to: **Dr. John H. Martin, Director, MLML, P.O. Box 450, Moss Landing, CA 95039.**

The University is especially interested in hiring faculty members who are aware and sensitive to the educational goals and requirements of an ethnically and culturally diverse population. An Equal Opportunity/Affirmative Action/Title IX Employer.

MOLECULAR DEVELOPMENT BIOLOGIST/EMBRYOLOGIST. The Department of Veterinary Anatomy at Texas A&M University invites applications and nominations for two 12-month, tenure-track, fully budgeted faculty positions in mammalian developmental biology/embryology. Applicants must be trained in genetics and developmental biology/embryology and utilize modern approaches to developmental problems in eukaryotic cells. Preference will be given to candidates working with (i) transgenic animals to define developmental mechanisms, (ii) temporal and spatial expression of genes to study programmed development, or (iii) teratology. A Ph.D. and postdoctoral experience are required. The D.V.M. degree and/or experience in a College of Veterinary Medicine is highly desirable but not mandatory.

Candidates will be expected to develop independently funded research programs to complement ongoing departmental and college programs in molecular genetics, developmental biology/embryology, reproductive biology, neurobiology, and developmental toxicology. One candidate will be expected to team teach in a 15-week (three credit hours) course in developmental biology/embryology offered to first-year students in the professional veterinary medical curriculum. The other candidate will be expected to assume responsibility for a 15-week (four credit hours) graduate course in mammalian developmental biology.

Rank and salary are negotiable and the starting date is open. Send nominations and applications with curriculum vitae, present and future research plans, and the names, addresses, and telephone numbers of at least three references to: **Dr. Gerald R. Bratton, Professor and Head, Department of Veterinary Anatomy, Texas A&M University, College Station, TX 77843-4458. Telephone: 409-845-3430.**

Review of applications will begin immediately and continue until the positions are filled. *Women and minorities are encouraged to apply. Texas A&M is an Affirmative Action/Equal Opportunity Employer.*

Research position available for **POSTDOCTORAL ASSOCIATE** or **JUNIOR FACULTY**, depending on experience. Prior experience with patch clamp technique is desired to explore second messenger system in epithelial cells. Send letter of application and curriculum vitae to: **John P. Hayslett, M.D., Yale University, Department of Medicine, 333 Cedar Street, New Haven, CT 06510.**

POSTDOCTORAL POSITION/ZOOPLANKTON ECOLOGY. A 2- or 3-year appointment to participate in research dealing with salt marsh and estuarine zooplankton community structure and composition. Earliest starting date: August 1990.

Send curriculum vitae, reprints, other supporting documents, and three letters of reference to: **Dr. Jorge Rey, Wetlands Ecology, University of Florida, Florida Medical Entomology Laboratory, 200 9th Street, S.E., Vero Beach, FL 32962. The University of Florida is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

The Department of Pediatrics at the University of Michigan is seeking three sub-Board-certified **PEDIATRIC NEPHROLOGISTS**. Duties include patient care, teaching, and research activities. If interested, please send curriculum vitae and statement of personal goals to:

Robert C. Kelsch, M.D.
Director, Pediatric Nephrology Unit
Box 0318, TC, Room 1924
1500 East Medical Center Drive
Ann Arbor, MI 48109-0318

The University of Michigan is a nondiscriminatory Affirmative Action Employer.

The Ohio State University Department of Pediatrics, located at an academically oriented children's hospital, is seeking a Board-certified **PEDIATRICIAN** (M.D. or M.D./Ph.D.) with a working clinical knowledge of pediatric infectious diseases. This is a regular tenure-track position at the **ASSOCIATE TO FULL PROFESSOR** level. Candidates must have a primary focus on basic research in the field of molecular virology, preferably retrovirology, and be committed to conducting research, teaching, and patient care in the field of pediatric infectious diseases. The successful candidate will be designated as the Director of Research Development for the Division of Pediatric Infectious Diseases with responsibility for academic support of junior faculty members and to assist in the development of an infectious disease research fellowship. Applicants should send curriculum vitae to: **Dwight Powell, M.D., Director, Division of Infectious Diseases, The Ohio State University Department of Pediatrics, c/o Children's Hospital, 700 Children's Drive, Columbus, OH 43205. O.S.U. is an Affirmative Action/Equal Opportunity Employer.**

PLANT BIOTECHNOLOGIST INTERNATIONAL DEVELOPMENT

The National Research Council (NRC) is seeking a staff officer for its Board on Science and Technology for International Development (BOSTID). Responsibilities include advising and coordinating assistance to researchers in developing countries related to plant biotechnology, tissue culture, and related fields. Requires Ph.D. or equivalent in the biological sciences or a related field, at least 2 years of research and administrative experience, familiarity with molecular genetics techniques, and knowledge of current agricultural research in developing countries. French or Spanish capability desirable, enjoyment of overseas travel essential. We offer a salary commensurate with experience and an exceptional benefits package. Please send résumé in confidence to: **NRC/BOSTID, HA476 (JH), 2101 Constitution Avenue, NW, Washington, DC 20418. Equal Opportunity Employer.**

PLANT GEOGRAPHY AND REMOTE SENSING

The Woods Hole Research Center is seeking a botanist, plant ecologist, or geographer with an interest in using remotely sensed imagery, including satellite imagery, to examine changes in the distribution of plant communities. The work will be a part of a continuing program of research on causes and effects of the warming of the earth and on studies of land use. Ph.D. required. Experience and interest in work in Africa, South America, or Asia desirable. Appointment at **ASSISTANT, ASSOCIATE, OR SENIOR SCIENTIST** level. Send letter, résumé, and names of three references by 15 June 1990 to: **Geography/RS Search Committee, Woods Hole Research Center, 13 Church Street, P.O. Box 296, Woods Hole, MA 02543. A smoke-free institution. Equal Opportunity Employer.**

POSTDOCTORAL POSITION IN MOLECULAR BIOLOGY. Available to study a novel system of regulation of gene expression and DNA replication by silicon in a lower eukaryote, by analysis of gene banks. Cloned yeast genes have been used successfully to identify diatom genes of similar function and at least one yeast mutation *leu 2-* has been complemented using cloned diatom DNA sequences. Background in molecular biology. Proficiency in recombinant DNA techniques: cDNA cloning, analysis of gene banks, vector construction, Southern and Northern hybridization, analysis of regulatory sequences, DNA sequencing, and computer analysis. Salary starting at \$26,112. Send detailed curriculum vitae and three names for reference to: **Dr. B. E. Volcani, Scripps Institution of Oceanography, University of California, La Jolla, CA 92093. Telephone: 619-534-2194. FAX: 619-534-7313. Applications will be accepted until position is filled. EOE/AA.**

POSITIONS OPEN

PLANT MOLECULAR GENETICISTS

Two tenure-track, 12-month research/teaching positions available for plant molecular geneticists with expertise in genomic mapping technologies. Individuals with nationally competitive research programs are encouraged to apply. Successful applicants will join a major interdisciplinary research effort in crop improvement. Rank (**ASSISTANT, ASSOCIATE, OR FULL PROFESSOR**) and salary commensurate with qualifications. Closing date: 1 August 1990 or until positions are filled. Send letter of application, curriculum vitae, and names and addresses of three references to: **Dr. Gary E. Hart, Search Committee Chair, Department of Soil and Crop Sciences, Texas A&M University, College Station, TX 77843-2474. Telephone: 409-845-8293. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL POSITION. Available in a laboratory studying development of immunogenic vaccines by genetic engineering. Send curriculum vitae and have three letters of reference sent to: **Dr. Stephen E. Wright, Medical Research (151), Veterans Administration Medical Center, 6010 Amarillo Boulevard, Amarillo, TX 79106.**

POSTDOCTORAL POSITION. Available immediately to study protein folding and dynamics. A Ph.D. in chemistry, biochemistry, or biophysics and research experience in protein biochemistry and/or fluorescence are required. Please send curriculum vitae and three letters of recommendation to: **Dr. Maria T. Mas, Beckman Research Institute, Physical Biochemistry Section, 1450 East Duarte Road, Duarte, CA 91010.**

POSTDOCTORAL POSITION

NIDA-funded postdoctoral position to study the neurobiology of androgen abuse, available immediately. Ph.D. with experience in molecular biology. Send curriculum vitae and three references to: **Dr. Richard Harlan, Department of Anatomy, Tulane University School of Medicine, 1430 Tulane Avenue, New Orleans, LA 70112.**

Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION, MOLECULAR BIOLOGY. Duke University. Available 1 July 1990 in laboratory investigating regulation of expression of endothelial cell coagulation factors. Experience in molecular biology necessary. Send curriculum vitae and names and telephone numbers of three references to: **Dr. William A. Dittman, Department of Medicine, Duke University/Durham Veterans Administration Medical Center, Box 111-G, 508 Fulton Street, Durham, NC 27705. Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL ELECTRON MICROSCOPY POSITION is available immediately for research on the ultrastructure of plants expressing virus resistance, and of transgenic plants expressing plant virus gene products. Experience in interpreting plant ultrastructure is essential, and experience with the study of the response of cells to stress is desirable. Send curriculum vitae and names of three references to: **Dr. Thomas P. Pirone, Department of Plant Pathology, University of Kentucky, Lexington, KY 40546.**

NEUROBIOLOGY

POSTDOCTORAL POSITIONS available immediately in laboratories studying nerve regeneration, neuronal plasticity and neuronal development. Research faculty studying recovery of function utilize transplantation, behavioral, neuroanatomical, and neurophysiological methods. Laboratories investigating problems of neural development utilize primary cell culture, molecular, and immunochemical strategies to study cell lineage, neurotrophism, and neural circuit formation. Faculty include Timothy J. Cunningham, Ph.D.; Pat R. Levitt, Ph.D.; Michael E. Goldberger, Ph.D.; Marion Murray, Ph.D.; Martha Nowicky, Ph.D.; Martin Pinter, Ph.D.; Peter D. Chantler, Ph.D.; and E. Hazel Murphy, Ph.D. Send curriculum vitae and names of references to:

Dr. E. H. Murphy
Department of Anatomy
Medical College of Pennsylvania/EPPI
3200 Henry Avenue
Philadelphia, PA 19129

Medical College of Pennsylvania is an Affirmative Action/Equal Opportunity Employer.

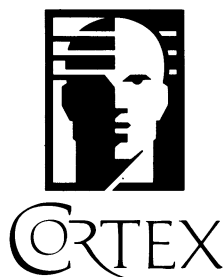
NEUROSCIENTIST

(Ph.D. with post-doc experience)

Essential requirements include: (1) experience and sophistication in excitatory amino acid toxicity; (2) interest in ischemic brain damage and drug therapy; and (3) extensive skills in histology, neuroanatomy, surgery, and *in vivo* model development.

Position offers excellent opportunity to develop an individual research program within a larger multidisciplinary team. Individual will report directly to Sr. Vice President of R&D, offering tremendous career opportunities for continuous growth in research, corporate or combination activities.

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Send copy of vita, the names, addresses and phone numbers of three references, and a detailed letter describing research interests and career goals to:

CORTEX Pharmaceuticals, Inc.
15241 Barranca Parkway
Irvine, CA 92718
Attention: Mrs. M. Michaud

Vision, Touch and Hearing Research Centre Department of Physiology & Pharmacology University of Queensland

SIX RESEARCH POSITIONS IN SENSORY NEUROSCIENCE

The Vision, Touch and Hearing Research Centre is seeking a second round of appointments for its laboratories at the University of Queensland under the Directorship of Professor J.D. Pettigrew FAA, FRS, with funding from the Commonwealth Special Research Centres Program. Applications are invited from scientists with postgraduate qualifications in sensory neuroscience and related subjects for appointment to six fixed-term research positions in laboratories headed by Professor Pettigrew (Director), Dr. D.I. Vaney (Vision), Dr. M.B. Calford (Somatosensation) and Dr. J.O. Pickles (Audition).

The Centre's interdisciplinary program addresses three basic themes of neurosensory research: transduction and central processing of sensory information; neuronal plasticity and its pharmacological modification; neuronal complexity of local processing circuits and their topographic organization. The Centre's laboratories include fully equipped auditory and quantitative somatosensory suites, an anechoic chamber, isolated retina and brain slice labs, and a tissue culture lab. Service facilities will include histology and C1 biochemistry labs, a sterile surgery, an electronics and computing service, facilities for light and electron microscopy. In addition to research on standard laboratory species bred in an SPF facility, selective use is made of diverse Australian fauna, ranging from coral reef fish to flying foxes.

Appointments, beginning some time after January 1, 1991, will be made at the level of Research Officer (\$27,953-\$31,808 p.a. in 6 steps) or Senior Research Officer Grade 1 (\$32,197-\$41,841 p.a. in 8 steps) and will be until December 1993, with the possibility of three years renewal subject to Commonwealth funding. Removal costs and travel allowances for yearly attendance at international meetings are provided. Send CV and names and addresses of three referees to Professor Pettigrew at the Vision, Touch and Hearing Research Centre, Department of Physiology and Pharmacology, The University of Queensland, QLD, 4072, Australia. Closing date June 15, 1990. Reference No. 24390.

Equal Opportunity in Employment is University Policy

National Institute on Aging (NIA)
National Institutes of Health (NIH)

GERONTOLOGY RESEARCH CENTER FELLOWSHIP

Fellowship available at the Intramural Research Program of NIA in Baltimore to study gene regulation and transcription factors in differentiating and degenerating mesenchymal cells including chondrocytes and osteoblasts. Also to study the variations in the transcription factors of these cells during aging and in response to growth factors. Expertise in molecular and cell biology is desirable but not essential. Submit Curriculum Vitae and three letters of recommendation to:

Dr. George R. Martin

or

Dr. Walter E. Horton, Jr.
Gerontology Research Center
NIA/NIH
4940 Eastern Avenue
Baltimore, Maryland 21224



NIH is an Equal Opportunity Employer

POSITIONS OPEN

POSTDOCTORAL POSITIONS. Available in a laboratory studying cytomegalovirus gene regulation and the molecular interaction between cytomegalovirus and HIV. Individuals with experience in molecular biology, protein chemistry, cell biology, or virology should send curriculum vitae, statement of research interests, and names of three references to: **Dr. Deborah H. Spector, Department of Biology, C-016, University of California, San Diego, La Jolla, CA 92093.**

POSTDOCTORAL POSITION. Molecular Biology. A postdoctoral fellowship is available immediately to work on structure expression, function, and regulation of ets-related genes. Individual with experience in molecular biology, protein purification, and virology preferred. Submit curriculum vitae and three names or letters of reference to: **Dr. Veena N. Rao, Fels Institute for Cancer Research and Molecular Biology, Temple University School of Medicine, 3420 North Broad Street, Philadelphia, PA 19140. Equal Opportunity Employer.**

POSTDOCTORAL POSITION. Available for Ph.D. with degree in biochemical or biological sciences to participate in studies of G protein-mediated signal transduction. Research will involve examination of receptor-G protein interactions and mechanisms of effector enzyme activation by G proteins. Experience with protein purification or lipid biochemistry is desired. Salary is negotiable, depending upon experience. Send curriculum vitae, reprints, and two or three letters of reference to: **Kenneth R. McLeish, M.D., Director of Research, Division of Nephrology, University of Louisville School of Medicine, Louisville, KY 40292. The University of Louisville is an Equal Opportunity Employer.**

NEUROSCIENCE TRAINING PROGRAM

The University of Connecticut Health Center invites applications for postdoctoral fellowships in communicative sciences (hearing and chemical senses), molecular, cellular, and neural biology, an interdisciplinary, multi-departmental program. Open to U.S. citizens or permanent residents. Write to: **Dr. D. Kent Morest, Center for Neurological Sciences, University of Connecticut Health Center, Farmington, CT 06032. Telephone: 203-679-4678.**

An Affirmative Action/Equal Opportunity Employer, M/W/H.

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE (NHLBI) NATIONAL INSTITUTES OF HEALTH

POSTDOCTORAL POSITIONS currently available to study the biochemistry and physiology of the 70-kD class of heat shock proteins. This class of proteins includes the brain uncoating ATPase which dissociates clathrin from coated vesicles during endocytosis. The focus of the laboratory is on the characterization of the enzymatic properties of the 70-kD heat shock proteins, in particular, the properties of the uncoating ATPase which we are presently cloning. Send curriculum vitae and three letters of recommendation to: **Dr. Lois Greene, Laboratory of Cell Biology, Building 3, Room B1-22, NHLBI, National Institutes of Health, 9000 Rockville Pike, Bethesda, MD 20892. U.S. citizenship is required. NIH is an Equal Opportunity Employer.**

POSTDOCTORAL POSITIONS IN YEAST MOLECULAR GENETICS. Two postdoctoral positions are available immediately to study unusual mechanisms of genetic regulation in retroviral-like transposable elements of yeast. The projects involve molecular and biochemical analysis of two unusual phenomena: (i) highly efficient site-specific translational frameshifting analogous to, but mechanistically distinct from, the gag-pol frameshift of retroviruses (*Cell*, in press); and (ii) negative regulation by transcription by a novel two-component transcriptional silencer (in preparation). The laboratory takes an approach involving highly directed in vitro mutagenesis, analysis of trans-acting protein factors, and classical yeast genetics to dissect the regulation of expression of Ty elements. Preference will be given to candidates with experience in molecular biology or biochemistry. Funds are available for a minimum of 4 years. Send curriculum vitae to: **Dr. Philip J. Farabaugh, Department of Biological Sciences, University of Maryland-Baltimore County, Baltimore, MD 21228. The University of Maryland is an Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL POSITION IN MOLECULAR NEUROBIOLOGY. A postdoctoral position is available to investigate nerve growth factor-regulated gene expression and immediate early gene function. Experience in molecular biology and neurobiology is preferred. Send curriculum vitae and names of three references to: **Dr. Gary Landreth, Alzheimer Research Laboratory, E520, Case Western Reserve University Medical School, 2116 Abington Road, Cleveland, OH 44106.**

POSTDOCTORAL FELLOW. Position in molecular neurobiology supported by a training grant and other sources. Projects include analysis of gene regulation in the hippocampus during Alzheimer's disease in responses to stress and in association with long-term potentiation (refer to S. A. Johnson *et al.*, 19 May issue of *Science*). Please send curriculum vitae and three references to: **Dr. Caleb E. Finch, University of Southern California, Ethel Percy Andrus Gerontology Center and Program in Neural Information Behavioral Systems, 3715 McClintock Avenue, Los Angeles, CA 90089-0191.**

POSTDOCTORAL FELLOWSHIPS AVAILABLE NEPHROLOGY SECTION CASE WESTERN RESERVE UNIVERSITY

Molecular Mechanisms of Renal Disease. Applications are invited for postdoctoral research positions funded by NIH institutional training grant, beginning in July 1990. (i) Analysis of transcriptional regulation of cytokine gene expression using transfection analysis, gel mobility shift assay, and DNase I footprinting. (ii) Alterations in gene in experimental models of tissue injury by hybridization histochemistry, quantitative receptor autoradiography, immunohistochemistry, and solution hybridization. (iii) Interactions of early transmembrane signal with altered gene expression. (iv) Structure-function analysis of the β -adrenergic receptor. (v) Phospholipid-derived second messengers, eicosanoids, and protein kinase C. Experience in molecular biology, cell biology, or biochemistry is desirable. Send letter of application, curriculum vitae, and letters of recommendation to: **Dr. Michael J. Dunn, Professor of Medicine, University Hospitals, 2074 Abington Road, Cleveland, OH 44106.**

POSTDOCTORAL FELLOWSHIP AREA: RENAL CELL PHYSIOLOGY/BIOCHEMISTRY

A postdoctoral position is available in a multidisciplinary hypertension program project, "Vasoactive Hormones: Receptor and Signaling Mechanisms," which includes the Departments of Medicine and Physiology and Biophysics. The primary focus is on patch clamping of renal epithelial cells, membrane vesicle and lipid bilayers, and regulation by eicosanoids, G proteins, and hormones. The position provides training opportunities in epithelial electrolyte transport and various aspects of signal transduction. Interested persons should send curriculum vitae and two letters of recommendation to: **Ulrich Hopfer, M.D., Ph.D., or Janice Douglas, M.D., Department of Physiology and Biophysics, Case Western Reserve University, School of Medicine, 2119 Abington Road, Cleveland, OH 44106. Telephone: 216-368-2878 or 216-368-4744. Case Western Reserve University is an Equal Opportunity Employer.**

POSTDOCTORAL FELLOWSHIPS LIFE SCIENCES RESEARCH FOUNDATION (LSRF)

The LSRF solicits monies from industry, foundations, and individuals to support postdoctoral fellowships in the life sciences. Active solicitation of funds continues for which we need the assistance of all concerned individuals.

Eligibility: Three-year fellowships will be awarded on a competitive basis to graduates with M.D. or Ph.D. degrees in any field of the life sciences. U.S. citizens are eligible to apply with no restrictions on the laboratory of their choice. Foreign applicants are eligible for study in U.S. laboratories. Only research in nonprofit institutions will be supported. Those who are changing their field of research by way of a second postdoctoral or as an independent research associate are encouraged to apply.

Timetable: Application deadline is 1 October 1990, for award as early as summer 1991. Awards will be announced in March 1991.

For information and an application, write to: **LSRF, c/o Lewis Thomas Laboratories, Washington Road, Princeton University, Princeton, NJ 08544.**

POSITIONS OPEN

POSTDOCTORAL FELLOWSHIP

Applications invited for a 1-year (with possible renewal) postdoctoral fellowship in contraceptive technology development. Open to recent recipients of doctoral degrees in reproductive biology, reproductive endocrinology, or pharmacology, with training in the reproductive sciences. Will receive training in the design and implementation of clinical trials, particularly as applied to the development of new contraceptive products. Start date negotiable; annual stipend of \$25,000. Submit curriculum vitae and transcript, with a brief summary of research experience and future research objectives, by 15 July 1990 to: **R. G. Foldes, Ph.D., Family Health International, P.O. Box 13950, Research Triangle Park, NC 27709.**

POSTDOCTORAL FELLOWSHIPS IN MOLECULAR BIOPHYSICS. At The Johns Hopkins University (JHU) targeting applicants interested in quantitative studies of macromolecular structure, function, or interaction. Areas of emphasis include, but are not limited to, protein stability and folding, DNA-protein interactions, proton-translocating ATPases, and the cytoskeleton. Applications are accepted at any time, and are considered several times a year. For a brochure, call 301-338-5197 or write to: **Institute for Biophysical Research on Macromolecular Assemblies, The Johns Hopkins University, 102 Macaulay Hall, 3400 North Charles Street, Baltimore, MD 21218. JHU is an Affirmative Action/Equal Opportunity Institution.**

UNIVERSITY OF CAMBRIDGE PHYSIOLOGICAL LABORATORY POSTDOCTORAL RESEARCH ASSISTANT ENDOTHELIAL CELL SIGNALING

A position is available to work on the mechanisms of calcium signaling in vascular endothelial cells. Electrophysiological and fluorescent indicator techniques will be applied to single cells and endothelial monolayers (see *J. Physiol.* 419, 555; *J. Biol. Chem.* 264, 6). Candidates should be experienced in the patch-clamp technique. The post is available for 3 years from October 1990. Starting salary: £10,458 to £12,381. Send résumé and the names and addresses of two referees to: **Dr. Stewart Sage, Physiological Laboratory, Downing Street, Cambridge, CB2 3EG, U.K. Telephone: +44-223-333870. FAX: +44-223-333840. E-mail: SOS10@UK.AC.CAM.PHX.**

POSTDOCTORAL RESEARCH ASSOCIATE BROOKHAVEN NATIONAL LABORATORY

The Biology Department has a position available for a recent Ph.D. experienced in (bio)chemical separation methods, including HPLC, gel electrophoresis, thin-layer chromatography, and some experience with enzymology. Knowledge of x-ray/neutron diffraction methods is desirable. Research would include enzymatic synthesis or messenger RNA analogues used to generate and purify tRNA-ribosome and initiation factor-ribosome complexes used in diffraction studies designed to determine the physical location of the corresponding ribosomal binding sites.

Applicants should submit curriculum vitae with a list of publications, statement of research interests, and names of three references to: **Dr. Malcolm S. Capel, Biology Department, Brookhaven National Laboratory, Associated Universities, Inc., Upton, Long Island, NY 11973. Equal Opportunity Employer, M/F.**

POSTDOCTORAL RESEARCH OPPORTUNITIES IN CELL BIOLOGY AND NEUROSCIENCE

Three faculty at Emory University School of Medicine have postdoctoral research positions available. The research areas are: (i) the development of cells in the mammalian cerebral cortex using retroviral lineage tracers in vivo and in cultured slices (Dr. Marla Luskin); (ii) the role of microtubules and dynein in cell motility with emphasis on functional domains and regulation of dynein (Dr. Winfield Sale); and (iii) intracellular electrophysiology of the in vivo mammalian olfactory bulb to define the role of local circuits in analysis of sensory coding (Dr. John Scott). Interested individuals should send curriculum vitae and list of three references to the appropriate faculty member: **c/o Department of Anatomy and Cell Biology, Emory University School of Medicine, Atlanta, GA 30322. Emory University is an Affirmative Action/Equal Opportunity Employer.**

National Institute of Environmental
Health Sciences
National Institutes of Health/Public Health Service
Research Triangle Park, North Carolina

POSTDOCTORAL POSITIONS IN GENETICS

The Laboratories of Genetics and Molecular Genetics have frequent openings for post-doctoral fellows. Annual stipends start at or above \$25,000 and increase substantially with years of experience, but candidates should have fewer than 2.5 years of postdoctoral experience at the time of application (no more than 3 years at the time of appointment). Must have Ph.D. or equivalent degree in *genetics* or closely related field and demonstrate a strong record of accomplishment appropriate to their years of experience. U.S. citizenship not required. Living and working *conditions* are excellent. Research programs are directed by the following senior investigators:

- John W. Drake: Mechanisms of mutagenesis and evolution in bacteriophage T4.
- Frank M. Johnson: Variation in the mammalian skeleton.
- Burke H. Judd: Gene structure and expression in *Drosophila melanogaster*.
- Thomas A. Kunkel: Fidelity of DNA replication by the AIDS virus reverse transcriptase and by the human replication complex.
- Steven S.L. Li: Organization and regulation of mammalian genes, and protein structure-function relationships.
- Roel Schaaper: DNA replication, repair and the origins of mutation in *Escherichia coli*.
- Akio Sugino: Enzymology and genetics of DNA replication and recombination in *Saccharomyces cerevisiae*.
- Robert A. Voelker: Transposon-mediated suppressor mechanisms in *Drosophila melanogaster*.

When applying, you may, but need not, indicate one or more preferred preceptors. Please send a curriculum vitae and the names, addresses and telephone numbers of three references to:

Mr. Bruce Wiggins
NIEHS Personnel Office
(HNV20)
P.O. Box 12233
Research Triangle Park, NC 27709
(919) 541-3317

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You will help develop purify and characterize recombinant proteins from bacteria and mammalian cell cultures. The result of your success will impact directly on new applications in human pharmaceuticals. Qualifications must include a BS in protein chemistry, biochemistry, or a related field with 4 or more years' relevant experience, or an MS and at least 2 years' experience in purification and characterization of proteins. Familiarity with HPLC, FPLC and conventional chromatographic techniques would be a distinct advantage.

We offer highly competitive salaries, an excellent benefits package, and all the challenge and growth potential of a 3+ billion leader in the health-care industry. For immediate, confidential consideration, please forward your resume to: Mr. M. Urdanick, Schering-Plough Corporation, 1011 Morris Avenue, Union, NJ 07083. We are an equal opportunity employer.

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DEPARTMENT OF THE ARMY JOB VACANCY
**PHYSICAL SCIENTIST/
GENERAL ENGINEER/MATHEMATICIAN**

U.S. Army Research Office
Research Triangle Park, North Carolina

Applications are being accepted for the interdisciplinary position of Physical Scientist, General Engineer or Mathematician. This is a Civil Service position at the GS-15 grade level with a salary range of \$59,216-\$76,982 per annum. Duty station is Washington, DC.

The incumbent serves as a liaison between the Army Research Office and the Office of the Assistant Secretary of the Army for Research, Development and Acquisition (OASA(RDA)). Acts as the field representative of the Army's Independent Laboratory In-house Research Program, Intramural and Extramural Research Programs, and University Research Initiative Program, providing information, and programmatic and policy advice to the OASA (RDA). Serves as a primary proponent of these programs insuring adequate investment to maintain Army technological superiority. Performs other staff actions such as preparing responses to congressional questions and inquiries, preparing policy memoranda, and serving as action officer for program reviews and strategy meetings concerning Army basic research.

In addition to the basic requirements for a bachelor's degree in physical science, engineering or mathematics, applicants must have one year of specialized experience equivalent to the next lower grade in the Federal Service and a background in fundamental research. Applicants should possess (1) Knowledge of physical, engineering and/or mathematical sciences as related to the Army's military missions; (2) Ability to analyze and defend the Army's basic research program; (3) Ability to work effectively with the Army research community and with DA and DoD civilian and military personnel in program execution issues and long range planning and programming efforts; and (4) Ability to execute staff actions and develop staff papers related to Army research.

Applicants should submit a Standard Form 171, Application for Federal Employment (available at Federal Job Information Centers and Federal Personnel Offices) and a supplemental statement which addresses each qualification listed above to the U.S. Army Research Office, ATTN: SLCIS-CP-AR, P.O. Box 12211, Research Triangle Park, NC 27709-2211. Additional information may be obtained by calling (919) 549-0641, extension 212.

Applications must be received by June 22, 1990.

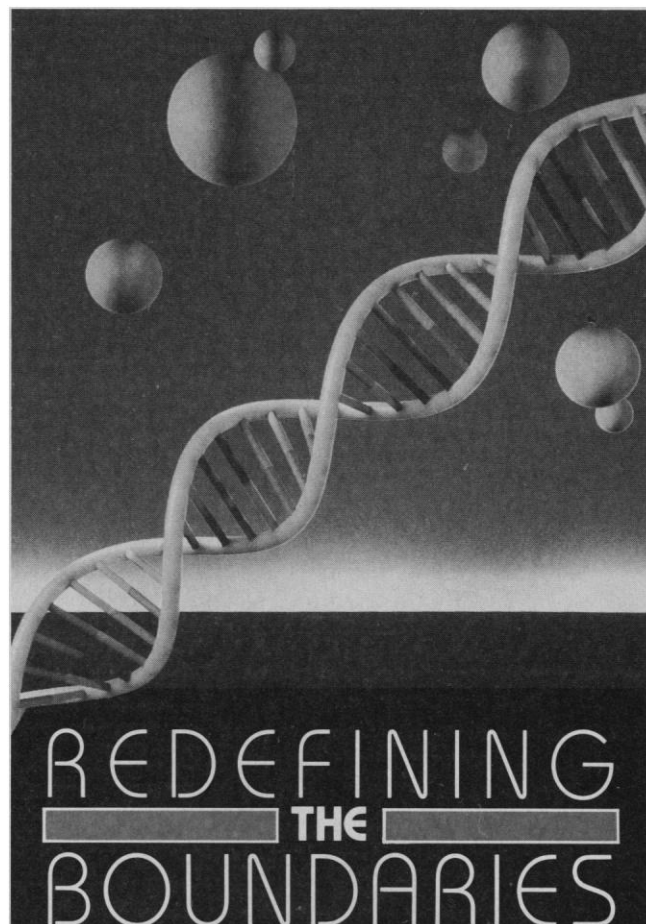
THE DEPARTMENT OF THE ARMY IS AN EQUAL OPPORTUNITY EMPLOYER

Postdoctoral Researcher

Immunology/Molecular Biology

In our Inflammation and Connective Tissue Research Laboratory investigations are directed toward an understanding of cellular interactions in chronic inflammation and tissue remodeling. We seek a highly motivated individual to explore T lymphocyte specificity at sites of chronic immune-mediated inflammation. Studies will focus on delineating T cell antigen receptor usage, control of lymphokine production and T lymphocyte-fibroblast interactions. Candidates should possess a Ph.D. in molecular biology or immunology and be well versed in molecular biology techniques. Please send curriculum vitae and name and addresses of three references to: Ms. Yvonne Davino, c/o Dr. Edward P. Amento, Genentech, Inc., 460 Point San Bruno Blvd., South San Francisco, CA 94080. EOE.

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REDEFINING THE BOUNDARIES

ZymoGenetics, Inc. is a Seattle-based biotechnology company making important strides in the areas of diabetes research, hemostasis and tissue repair.

We currently have three post-doctoral research positions available for study of the following:

Factors which influence osteoblast and osteoclast differentiation and function.

The molecular genetic characterization of the human gene encoding the High Density Lipoprotein (HDL) Receptor.

The isolation and molecular characterization of cellular receptors for components of the blood coagulation / fibrinolytic systems.

Ideal candidates should demonstrate relevant backgrounds in bone biology, molecular biology or hemostasis respectively.

ZymoGenetics offers a beautiful state-of-art facility, a strong connection with the University of Washington and a highly skilled and motivated staff. Salaries and benefits are competitive and our beautiful Northwest location cannot be matched. For more information, please write or call: ZymoGenetics, Inc., Attn: Human Resources, 4225 Roosevelt Way NE, Seattle, WA 98105, Tel: (206) 547-8080.

ZymoGenetics, Inc. is an equal opportunity employer and encourages applications from women and minorities.

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NYC DEPT. OF HEALTH
OFFICE OF
CHIEF MEDICAL EXAMINER
FORENSIC ANALYSTS

Openings exist for biochemists, molecular biologists, and molecular geneticists in the Forensic Molecular Biology Laboratory. The newly created laboratory employs modern molecular techniques for the analysis of biological specimens involved in homicide investigations. Candidates should have BS in a Biological science field and at least 2 years of forensic science experience; MS or PHD preferred.

Salary range: \$31,000 - \$44,000

NYC RESIDENCY REQUIRED

Send resume to: Robert A. Lackey
NYC DEPT. OF HEALTH
125 Worth Street, Room 908 F
New York, NY 10013

BOEM/F/H/V



Cardiovascular Research

Postdoctoral Scientist

CIBA-GEIGY Pharmaceuticals Division has a temporary position open in our Cardiovascular Research Department at Summit, New Jersey, offering challenge and professional growth.

Qualified candidate will possess a PhD in Cardiovascular Pharmacology/Physiology and experience with **in vivo** techniques. You will study mechanism of action of hypertensive agents in rodents. Good oral and written communication skills are necessary. Experience with **in vivo** hemodynamic measurements and computerized data acquisition would be helpful, but are not mandatory.

This position will afford the opportunity to participate in a stimulating temporary assignment utilizing state-of-the-art facilities. Please send resume with salary history and requirements to: **Staffing Center, CIBA-GEIGY Corporation, Pharmaceuticals Division, Dept PD, 556 Morris Avenue, Summit, New Jersey 07901.** We Are An Equal Opportunity Employer M/F/H/V.

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For over 50 years, Kendall McGaw Laboratories, Inc. has been a leading supplier of IV solutions, medical nutrition and related pharmaceutical products to the healthcare industry. Our employees take pride in the fact that our business is saving and improving the quality of human life. Our growth and success have created an immediate opportunity for a:

TOXICOLOGIST

Successful candidate will have a Ph.D in Toxicology with emphasis on pharmacokinetic, absorption, distribution, metabolism and excretion studies. Position requires 1-3 years experience in a supervisory capacity.

Experience may be considered in lieu of advanced degree. Responsibilities will include supervising GLP studies of products under development. Excellent verbal and written communication skills, along with proven leadership ability are also required.

Kendall McGaw offers an excellent salary and benefits package. For immediate consideration, please send your resume (principals only, please) to: **L. Hewel, Human Resources Department, Kendall McGaw Laboratories, Inc., 2525 McGaw Avenue, Irvine, CA 92714.** We are an equal opportunity employer.

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OR
SENIOR STAFF FELLOW**

The Laboratory of Clinical Studies, National Institute on Alcohol Abuse and Alcoholism, Public Health Service, invites applications for a position to study the psychobiology and molecular biology of alcoholism and its complications. Unique opportunity to become a member of a multidisciplinary team working in a 10-bed research ward and outpatient clinic at the National Institutes of Health Clinical Center, Bethesda, Maryland. State-of-the-art equipment and experienced technical support available. The salary range is \$40,000 to \$52,000 per annum commensurate with qualifications. Interested candidates must be board certified or eligible psychiatrists or neurologists who are U.S. citizens or permanent residents. Position information and qualification requirements may be obtained by contacting Dr. George. This position is available now. Submit Curriculum Vitae and names of three references to:

Ted George, M.D.
**National Institute on Alcohol
Abuse and Alcoholism
Laboratory of Clinical Studies
Building 10, Room 3B-19
9000 Rockville Pike
Bethesda, Maryland 20892
Phone: (301) 496-9705**



NIH is an Equal Opportunity Employer

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE AND LECTURER at Northeastern University's marine laboratory at Nahant. Applicants should have a Ph.D. and research interests in the neuroethology of marine organisms. Ongoing programs focus on sea lamprey and lobster. Position available July 1990 for 1 year with the possibility of renewal after evaluation. Send curriculum vitae, letter including proposed research, three publications, and three reference letters as soon as possible to: **Dr. Joseph Ayers, Marine Science Center, Northeastern University, East Point, Nahant, MA 01908.** *Northeastern University is an Equal Opportunity/Affirmative Action/Title IX Employer.*

A POSTDOCTORAL RESEARCH POSITION is available with the Agricultural Research Service, United States Department of Agriculture (USDA), Western Regional Research Center, Albany, California, to study control of wheat storage protein gene expression, and to explore strategies for monocot transformation. Funded for 2 years. Experience in plant tissue culture, transient gene expression assay, and molecular biology/recombinant DNA technology is desirable. Starting salary: \$24,705 (GS-9) or \$29,891 (GS-11), based on experience. Contact: **Dr. Frank C. Greene, 415-559-5614**, for information, or: **Ms. Rita J. Millard, 301-344-3138**, for application procedures. *USDA is an Equal Opportunity Employer.*

PEDIATRIC CLINICAL RESEARCH FELLOW. The Department of Pediatrics at the Albert Einstein College of Medicine, New York, invites applications from M.D.'s who have completed at least 3 years of postgraduate training in pediatrics and who are seriously interested in pursuing a career in academic pediatrics and research. Candidate must have experience and proven record in basic and clinical research (at least 3 years). Candidate must have expertise on stable isotope mass spectrometric methodology and Ca metabolism, and interests in the area of lead intoxication. Salary is commensurate with qualifications and experience. Send curriculum vitae to: **Box 49, SCIENCE.**

POSTGRADUATE RESEARCH, ENVIRONMENTAL PROTECTION AGENCY (EPA). Positions available in environmental or chemical engineering at Risk Reduction Engineering Laboratory in Cincinnati, Ohio, and Edison, New Jersey. Experience in municipal wastewater system management or stormwater runoff characterization preferred. Contact: **EPA Postgraduate Research Program, Science/Engineering Education Division, Oak Ridge Associated Universities, P.O. Box 117, Oak Ridge, TN 37831-0117.** Telephone: 615-576-3456.

RESEARCH ASSOCIATE

Biophysicist, bioengineer, or physically oriented biochemist to collaborate in kinetic/thermodynamic investigations of visual membrane transduction cascade enzymes and related receptor coupling systems. Share responsibility for development and maintenance of laboratory instrumentation and computing including complex kinetic modeling appropriate to above research. Salary commensurate with experience. Send résumé, including brief description of relevant experience and goals, plus three references to: **Dr. Paul A. Lieberman, Department of Anatomy, University of Pennsylvania, School of Medicine, Philadelphia, PA 19104-6058.** Position available immediately. Application deadline: 1 July 1990. *The University of Pennsylvania is Affirmative Action/Equal Opportunity Employer.*

RESEARCH ASSOCIATE POSITION DEPARTMENT OF MOLECULAR GENETICS ROCHE RESEARCH CENTER HOFFMANN-LA ROCHE, INC.

A research associate position is available for studies on the human enzyme phospholipase A₂: structure/function relationships and gene regulation. A Ph.D. in biochemistry or related field is required, and experience in molecular biology and/or enzymology is desirable. We offer a very competitive salary and an additional subsidy for housing. Please send curriculum vitae and the names of three references to:

**Dr. Robert Crowl
Department of Molecular Genetics
Hoffmann-La Roche, Inc.
340 Kingsland Street, 102/5
Nutley, NJ 07110**

POSITIONS OPEN

RESEARCH ASSOCIATE

The Arnold Arboretum of Harvard University is seeking applicants for a postdoctoral research position to work on the Generic Flora of the Southeastern United States Project. A Ph.D. and training or experience in the taxonomy of seed plants are required. Individuals with interests in the Compositae, Liliaceae, Amaryllidaceae, and Labiatae are especially sought, but all applications will be given serious consideration. Please send curriculum vitae, a statement outlining research interests, and three letters of recommendation to: **Dr. Carroll E. Wood, The Arnold Arboretum, 22 Divinity Avenue, Cambridge, MA 02138.** Telephone: 617-495-2362.

RESEARCH ASSOCIATE. Forty hours per week, 8:00 a.m. to 5:00 p.m.; \$25,000 per year. Duties include research in: structure of zeolite-supported PdCo bimetallic catalyst; metal particle size of PdCo bimetal catalysts, interaction of Pd and Co cations, and catalysis. Techniques: from organometallic precursors and microwave plasma to prepare zeolite catalyst; quantitative TPR/TPD/TPO with TCD and MS; x-ray absorption fine structure, SEFNR, diffuse reflectance, and Mössbauer and infrared spectroscopy. Ph.D. in chemistry as well as 1 year of experience as a research associate or as a research assistant required. Previous experience must include: preparation of zeolite-supported highly dispersed metal catalysts using organometallic precursors and microwave plasma, SEFNR, and Mössbauer spectroscopy. Send résumé to: **Illinois Department of Employment Security, 401 South State Street-3 South, Chicago, IL 60605, Attention: Robert S. Felton, Reference #V-IL-1376.** *This is a university position. An employer-paid ad. Equal Opportunity Employer/Affirmative Action.*

The Bartol Research Institute is seeking a **RESEARCH ASSOCIATE** with broad experience in the field of helioseismology. The position requires the ability to design, develop, and operate sophisticated instrumentation for making observations under hostile climatic conditions at the geographic South Pole. In addition to experimental skills, applicants must have demonstrated the necessary analytical skills for reducing and interpreting helioseismological data, and for deducing therefrom significant new information about the solar interior. Salary: \$32,000. Deadline for application: 1 July 1990. Submit application, letters of recommendation, and supporting documents to: **Job # 804094, Division of Employment and Training, Department of Labor, 3301 Lancaster Avenue, P.O. Box 2168, Wilmington, DE 19805.**

RESEARCH SCIENTIST (Senior). Development and application of genome dissection and analysis techniques using pulsed-field gel electrophoresis, transverse alternating field electrophoresis, contour-clamped homogeneous electric fields, and field inversion gel electrophoresis. Ph.D. in genetics. Demonstrated proficiency in the following: intelligibility and Wisconsin DNA and protein sequence analysis programs, clone bank construction in cosmid and plasmid vectors, transformation and ligation of DNA, enzyme kinetics, conjugation, DNA hybridization, plasmid and total DNA preparation and purification, programming PFG switching controllers, and preparation and restriction analysis of intact genomic DNA in agarose plugs. Job and interview site: San Diego, California. Salary: \$30,200 per year. Send this ad and your résumé to: **Job #KV 15190, P.O. Box 9560, Sacramento, CA 95823-0560,** not later than 15 June 1990.

LIPID RESEARCH

ASSISTANT RESEARCH SCIENTIST to study lipids of mammalian epidermis. Current projects include metabolism of ceramides and essential fatty acids, biophysics of nonphospholipid bilayers, and the physiology of epidermal barrier function. Techniques in use include TLC (CS930), GLC (3760, GC9A), HPLC (6000A, 1090), EM (600H, 7000H, S4000), NMR (MSL300, WM360, AM600), GC/MS, and H3/C14 (TriCarb 1500, Berthold Linear Analyzer). Requires Ph.D. or equivalent of education and experience in lipid biochemistry or biophysics. Starting salary: \$27,310 minimum. Write to: **Donald T. Downing, Ph.D., Department of Dermatology, 270 Medical Laboratories, University of Iowa College of Medicine, Iowa City, IA 52242** before 30 June 1990. Telephone: 319-335-8080. FAX: 319-335-9559. *The University of Iowa is an Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are urged to apply.*

POSITIONS OPEN

RESEARCH ASSISTANT PROFESSOR

The Department of Ophthalmology and Visual Sciences at Texas Tech University Health Sciences Center (TTUHSC) is seeking a basic scientist to pursue interdisciplinary research in visual perception, clinical psychophysics/electrophysiology, or experimental psychology. Contact: **Dr. R. Young, Department of Ophthalmology, TTUHSC, Lubbock, TX 79430.** *TTUHSC is an Equal Opportunity Employer.*

RESEARCH ASSISTANT PROFESSOR

Applications are invited for the position of research assistant professor. The successful applicant will possess a Ph.D. with a minimum of 5 years of experience in single-cell patch clamp techniques on myocardial cells and smooth muscle cells. Experience in the measurement of the Ca-Na exchange current desirable. Send curriculum vitae to:

**Nicholas Sperelakis, Ph.D.
Physiology and Biophysics
College of Medicine
University of Cincinnati
Cincinnati, OH 45267-0576**

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SOILS ECOLOGIST

The Woods Hole Research Center is seeking a soils scientist with an ecosystems perspective interested in the dynamics of soil organic matter/mineral nutrients and sustainable use of land. The work will be part of an expanding program on climatic change, trace gas emissions, land-use change, and agroecology. Experience and interest in work in Africa, Latin America, or Asia desirable. Appointment at **ASSISTANT, ASSOCIATE, OR SENIOR SCIENTIST** level. Send letter, résumé, and names of three references by 15 June 1990 to: **Soils Search Committee, Woods Hole Research Center, 13 Church Street, P.O. Box 296, Woods Hole, MA 02543.** *A smoke-free institution. Equal Opportunity Employer.*

SYNTHETIC ORGANIC CHEMISTS. We are seeking highly motivated **RESEARCH SCIENTISTS** to join the School of Pharmacy at the University of Southern California to conduct research and development of central nervous system (CNS) active agents under a contract from CoCensys, Inc. CoCensys, Inc., is an innovative start-up company focused on the frontier of molecular therapeutics as it relates to diseases of the CNS. A synthetic organic chemist at the postdoctoral level and a research assistant (M.S./B.S.) with organic chemistry experience desired. Individuals with experience in the preparation of prodrugs for CNS active agents preferred. The salary is compatible with industry appointments. Send résumé and three references in strictest confidence to: **Dr. Nancy Lan, University of Southern California School of Pharmacy, Los Angeles, CA 90033-1086.** *The University of Southern California is an Affirmative Action/Equal Opportunity Employer.*



Chiron Corporation, a recognized world leader in the field of biotechnology, has an opening for a **YEAST BIOLOGIST.** A Ph.D. and 2 to 4 years of postdoctoral experience in the fields of yeast biology and/or yeast biochemistry are required. The successful candidate will be a highly motivated individual responsible for the development of novel heterologous protein expression systems and the elucidation of the mechanisms by which these systems operate. Chiron Corporation, located in the San Francisco Bay area, offers a competitive salary and benefits program. Please send a copy of your curriculum vitae and the names of three references (before 14 July 1990) to:

**Yeast Biology Search
Chiron Corporation
4560 Horton Street
Emeryville, CA 94608**

U.S. Public Health Service Epidemiology Training Program

Applications are being accepted for the 1990 U.S. Public Health Service (PHS), Epidemiology Training Program. **APPLICATIONS ARE DUE AUGUST 31, 1990.** Training will begin approximately July 1, 1991.

Features: The first year, trainees attend a university to study epidemiology, biostatistics, and related subjects. The subsequent two years, they will perform research with senior epidemiologists at one of the following: National Institutes of Health (NIH), Food and Drug Administration (FDA), National Center for Health Statistics (NCHS), or Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA).

Pay and allowances will depend on the personnel system agreed upon by the preceptor and the trainee. Agencies can use either of the following two mechanisms:

1. A limited appointment in the Commissioned Corps of the USPHS Commissioned Corps in which the usual starting rank is Lieutenant (O-3). The starting salary for an O-3 medical officer with dependents is approximately \$37,000 depending on training and experience. For non-medical officers of the same rank with dependents, the starting salary is approximately \$32,000. About \$9,950 of these salaries is exempt from federal, state, and local income tax.

2. Appointment as a staff fellow has starting salaries of \$37,000 for physicians and \$24,864 for non-physicians, with an increase in salary of \$2,000 each year. Educational costs and allowable relocation expenses for the first year are provided.

Eligibility: M.D., D.O., Doctorate in an allied health profession, or Ph.D., in a biomedical or behavioral science or equivalent, and one year of postdoctoral training or experience by 7/1/91; U.S. citizenship as of 8/31/90; acceptability to an accredited university offering an MPH or equivalent, or more advanced public health degree.

To obtain an application and more details, send your name and address to: **NIH Training Center, PHS Epidemiology Training Program, EPS/100, 9000 Rockville Pike, Bethesda, MD 20892.**

DIRECTOR/VICE PRESIDENT PHARMACEUTICAL RESEARCH

ENZON is a development stage Bio-Pharmaceutical company with a unique and broad scale technology which enhances the delivery and therapeutic value of proteins and enzymes. Research is the core strategy of this corporation.

We seek an extremely strong research leader who can demonstrate current expertise and excellence in protein chemistry, polymer science or drug delivery technology. His/her role will be to capitalize on ENZON's current dominant position and create new technological thrusts.

Candidate requirements include: PhD in chemical, biological, pharmaceutical or related science with a proven 7-12 year record; leadership recognition within the scientific community and key publications in any of the following fields: protein chemistry, polymer science, or drug delivery technology.

In addition to a ground floor opportunity to develop required staff and laboratory facilities, ENZON offers a collegial and humanistic atmosphere that encourages personal and professional growth. Salary is in the 6 figures+ range along with outstanding benefits and liberal stock options. Please send resumé to: Neil Torino.

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TOXICOLOGIST

Ricerca, Inc. is currently seeking a qualified toxicologist in its expanding Toxicology/Metabolism Department to provide scientific support to our staff and to our clients. The successful candidate will prepare study proposals, study protocols and reports for acute, subchronic and chronic safety evaluation studies. A Ph.D. in toxicology, pharmacology, or other biological science is required along with 0-5 years of toxicology experience in a contract laboratory or in industry.

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Sterling Research Group has several immediate openings within the recently established Department of Molecular Biology at the Rensselaer, New York, research facility. We are looking for scientists who have an interest in developing basic research programs in molecular genetics and cell biology, with emphasis on eukaryotic and/or bacterial gene expression. Applications are invited from highly motivated individuals for the following positions:



SENIOR RESEARCH BIOLOGIST

The successful candidate will be expected to lead a research program in molecular biology and also provide support to ongoing drug discovery programs within Sterling Research Group. This position requires a Ph.D. in Molecular Biology or related area with at least two years' postdoctoral experience.



RESEARCH BIOLOGIST(S)

The successful candidates will independently carry out research in molecular biology and protein biochemistry under the direction of a Senior Research Biologist. These positions require a B.S. or M.S. degree in Molecular Biology or related area, with at least two years of additional research experience preferred.

To apply, please send your resume with salary history to: SRG-110/111-90, Sterling Research Group, 81 Columbia Turnpike, Rensselaer, New York 12144. An Equal Opportunity Employer M/F/H/V.



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CANCER PREVENTION FELLOWSHIP PROGRAM

The Division of Cancer Prevention and Control (DCPC) is accepting applications for the Cancer Prevention Fellowship Program (CPFP). The purpose of this program is to attract individuals from a multiplicity of health science disciplines into the field of cancer prevention and control. The program provides for: Participation in the DCPC Cancer Prevention and Control Academic Course; Working at NCI directly with individual preceptors on cancer prevention and control projects; Field assignments in cancer prevention and control programs at other institutions. Funding permitting, as many as ten Fellows will be accepted for up to three years of training, beginning July 1, 1991. Benefits include selected relocation and travel expenses, paid federal holidays, and participatory health insurance.

ELIGIBILITY

M.D. or D.D.S. from a U.S., territorial, or Canadian Medical School. Foreign medical graduates must have current ECFMG/FMGEMS certification and appropriate experience, e.g., one year residency in a training program approved by the Accreditation Council for Graduate Medical Education.

OR

Ph.D., Dr. P.H. or other doctoral degree in a related discipline (epidemiology, biostatistics, and the biomedical, nutritional, public health or behavioral sciences). Foreign education must be comparable to that received in accredited U.S., territorial, or Canadian institutions.

PLUS

U.S. citizenship or resident alien eligible for citizenship within four years.

For details and application catalog, send a postcard or letter with your name and home address to:

**Douglas L. Weed,
M.D., M.P.H., Ph.D., Director
Cancer Prevention
Fellowship Program
Division of Cancer
Prevention and Control
National Cancer Institute
Executive Plaza South, T-41
Bethesda, MD 20892**



Further Inquiries: Mrs. Barbara Redding,
(301) 496-8640 or 496-8641.

**Deadline for receipt of Applications:
September 1, 1990**

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POSITIONS OPEN

RESEARCH ASSISTANT

Position in neurobiology laboratory working with anatomical, pharmacological, and/or electrophysiological studies of visual system development. B.S./M.S. with work experience preferred. Tuition benefits. Send letter and résumé to: **Susan B. Udin, Department of Physiology, State University of New York, Buffalo, NY 14214. Equal Opportunity Employer.**

ASSOCIATE SCIENTIST

The University of Wisconsin-Madison Medical School, Clinical Cancer Center, has an opportunity for an individual with an M.D. in cytogenetics or a closely related oncology specialty to direct the cytogenetic analysis of SV-HUC transformants. Experience in karyotyping cells of the SV-HUC in vitro transformation system highly desirable. Prior molecular genetics training and 5 years of experience in cytogenetics preferred. Publications in peer-reviewed journals in relevant areas desired. Please send curriculum vitae with three letters of reference to:

**Dr. Catherine Reznikoff
K4/536 Clinical Sciences Center
600 Highland Avenue
Madison, WI 53792**

STAFF ASSOCIATE

Position available for a staff associate with experience in tissue culture and molecular techniques for a project involving oncogenic transformation and mutagenesis of high LET radiation and chemicals. Candidates should have a master's degree in a related biological discipline with at least 3 years of experience. Send credentials and names of three references to: **Dr. Tom K. Hei, Center for Radiological Research, Columbia University, 630 West 168th Street, New York, NY 10032.**

An Equal Opportunity/Affirmative Action Employer.

TECHNICIAN IN BIOLOGY. B.S. in biology or related area. The individual will participate in a program in molecular parasitology centered on trichomonads. Research techniques to be utilized will be enzymology, DNA sequencing, cell fractionation, and molecular biology. Salary \$15,000 to \$20,000. Starting date 5 July 1990. Applicants should send résumé, curriculum vitae, letter of introduction, and the names and telephone numbers of three references by 29 June 1990 to: **Donald G. Lindmark, Ph.D., Department of Biology, Cleveland State University, East 24th and Euclid Avenue, Cleveland, OH 44115. Equal Opportunity Employer, M/F/H.**

VIROLOGIST. At Northwestern University Medical School. A tenure-track university faculty position in the Department of Pathology offering the opportunity for a major commitment to research with a modicum of hospital service. The successful candidate can be either an M.D. or Ph.D. who has an active research program and experience in the laboratory diagnosis of AIDS. Faculty rank and salary will be commensurate with the level of qualification and academic development. In addition, the candidate will have administrative leadership of a BL-3 level research/diagnostic laboratory. The institution has made a major commitment to AIDS and has an NIH Comprehensive AIDS Center and an active multidisciplinary group of AIDS investigators. Interested candidates should submit curriculum vitae by 30 June 1990 to: **Dr. Dante G. Scarpelli, Chairman, Department of Pathology, Northwestern University Medical School, 303 East Chicago Avenue, Chicago, IL 60611.**

Northwestern University is an Affirmative Action/Equal Opportunity Employer. Hiring is contingent upon eligibility to work in the United States.

ANNOUNCEMENTS

COMPETITION FOR ORIGINAL ESSAYS

Scientists and technologists who are members of Presbyterian congregations are invited to submit unpublished, original essays on the relationship of their fields to Christian faith. A cash prize of \$250 will be awarded for the winning essay, which will also be considered for publication. Deadline: 31 December 1990. For competition guidelines, write: **Dr. Jack Rogers, Theology and Worship Ministry Unit, Presbyterian Church (U.S.A.), 100 Witherspoon Street, Louisville, KY 40202-1396.**

MEETINGS

SOFTWARE AND DATABASE DEVELOPERS MEETING 16 JULY 1990

NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION

The National Center for Biotechnology Information (NCBI) of the National Library of Medicine (NLM), National Institutes of Health (NIH), will be holding an informational meeting for software and database developers 16 July 1990 on the NIH campus. Topics will include:

- GenInfo Backbone DNA and Protein Sequence Database
- Data exchange standards for sequences
- NCBI online services
- NCBI software toolbox project

This meeting will also serve as a forum for developers to respond to NCBI's plans and suggest additional directions and projects. Both commercial and academic developers are welcome. Registration is required and attendance is limited to 160. For registration information, contact: **Zelda Arch, NCBI/NLM, Building 38A, 8N803, 8600 Rockville Pike, Bethesda, MD 20894.**

SITUATIONS WANTED

ANATOMIST. Very experienced in teaching medical gross anatomy; have also taught neuroanatomy. Active research, neurophysiology of brainstem. Seeks teaching/research. Telephone: 809-728-3729 or 809-758-2525, ext. 1511.

CELL BIOLOGIST, Ph.D. Postdoctoral experience. Expertise: fungal pathology, TEM, PFGE, micromanipulation. Seeks position as laboratory manager in Northeast, Mid-Atlantic states. Box 46, SCIENCE.

Experienced (industry, government) Ph.D. ENVIRONMENTAL SCIENTIST (ecotoxicology, risk assessment). Seeks industry research/environmental policy position. Excellent communication and quantitative skills. Box 47, SCIENCE.

INSECT BIOCHEMIST. Ph.D. entomology, M.S. biochemistry; 10 years of HPLC; enzymes, hormones, antibodies; Lepidoptera, Diptera; Macintosh. Seeks permanent position. Box 48, SCIENCE.

Ph.D. CHEMIST with research experience in synthesis, polymerization, controlled release, instrumentation, and analysis. Seeks position with an academic/nonprofit organization. Box 45, SCIENCE.

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Deadline for Application:

September 1, 1990

Announcement of Recipients:

March 1, 1991

Proposals will be accepted from any U. S. academic or non-profit medical research institution. The company is interested in soliciting proposals in the following areas:

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Acute Oral Toxicity
Skin Irritation
Contact Sensitization
Developmental Toxicity
Respiratory Toxicity
Neurotoxicity



Inquiries and requests for applications should be directed to:
University Animal Alternatives Research Program
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Miami Valley Laboratories
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