Personnel Placement

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Blind ad replies should be addressed as follows:
Box (give number)

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1333 H Street, NW
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POSITIONS WANTED

Electron Microscopist, M.S. Ten years biological experience including TEM, SEM, x-ray microanalysis, and microscopy. Some STEM and electron microscopy experience also. Looking for responsible position managing EM facility in industry or government. Box 4, SCIENCE.

Immunopathologist/Electron Microscopist, Ph.D. seeks position in biomedical company or college/research laboratory in immunology, DNA hybridization, histochemistry, pathology or microscopy as director or administrator, 10 years of experience in administrative/management/methodology. Box 2, SCIENCE.

Marine Fisheries Biologist, Ph.D., age 60, retired from FAO and UNESCO. Ex-university professor. Would like interesting opportunity in management, research, administration or teaching. Short-term or part- or full-time acceptable. Available anytime. Harold Loesch, 2140 East Scott, Pensacola, FL 32503.

Microbiologist, Recent Ph.D. Experience in virology, bacteriology and parasitology. Has limited molecular biology experience. Desires additional postdoctoral experience in applied molecular biology. Box 3, SCIENCE.

Research Biotechnologist: M.S. with publications, desires challenging laboratory position. Experienced in cell culture, viral purification, nucleic acid chemistry, protein characterization and characterization and characterization of cell biology. DNA cloning, radioisotopes, yeast and Streptomycetes culture, Western blot and other immunological techniques, and microbiological techniques involved in water quality. Box 8, SCIENCE.

Technical Editor/Writer, Ph.D. in physics, but wide experience in many subjects: mechanical engineering, test analysis, environmental studies, scientific, economic, ethics, others. Over 100 papers in journals such as Science, Nature, as well as four single-author books. In addition, can write for a lay audience, hundreds of newspaper articles, radio talks. I can help your writing/editing projects without capital outlay on your part. I'll do grant applications, library work, public relations writing, manuscript editing, speeches, manuals, other competitive rates. Box 1231, Oak Ridge, TN 37830.

Technical Writer, Ph.D. Twenty years experience in research and writing for scientific, technical, and popular markets. Credits include fifteen books in three languages and articles in varied scientific and academic journals. Seeks free-lance projects of all kinds—books, articles, software documentation, grants and proposals, library research, manuscript editing, and ghostwriting. Leverages, and speeches. Box 214, SCIENCE.

ASSISTANT OR ASSOCIATE PROFESSOR OF SURGERY—NON-TENURE-TRACK UNIVERSITY OF CALIFORNIA, SAN DIEGO. The Department of Surgery is seeking candidates for a faculty position as an electrophysiologist to study ion transport and electrical charges in human and animal models of colorectal cancer. The incumbent will design and supervise experiments aimed at understanding cellular and subcellular electrophysiology in cells and tissues. This is an exciting opportunity which may have eventual application in the early diagnosis of pre-malignant changes in the colonic epithelium of human subjects. The position requires a Ph.D. in physiology, biophysics, electrophysiology, or related areas, experience and productivity in above-mentioned scientific investigation preferred; experience in supervising technicians and experiments, assisting in grant writing and experimental design, preparation, and publication of research papers; teaching of medical students and residents. Good date start, March 1987. Send curriculum vitae and bibliography to: Richard J. Davies, M.D., H891B, UCSD Medical Center, 225 Dickinson Street, San Diego, CA 92103. Salary related to academic rank and step within the established salary schedule of the University of California, San Diego. This position is guaranteed for 2 years and further extension is dependent upon funding. The University of California is an Equal Opportunity/Affirmative Action Employer.

POSSESSIONS OPEN

Positions Open


Sea and Shore Discoveries. Wesley M. Farmer. Published by the author, P.O. Box 1323, Santee, CA 92071, 1986. 124 pp., paper, $14.95.


30 JANUARY 1987

PERSONNEL PLACEMENT

601

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ADJUNCT ASSISTANT PROFESSOR OF NATURAL SCIENCE. A position is available for the academic year 1987–1988 to teach in a program which integrates principles of the biological and physical sciences in a two-semester non-laboratory sequence for liberal arts students. A teaching load of 12 lecture hours is required. Preference will be given to persons who have a diverse educational background, teaching experience and hold a doctoral degree in a related field. Salary: $35,000 to $40,000. Apply to: Dr. Joseph Coogan, Jr., University of South Alabama, Department of Microbiology, Mobile, AL 36688. The University of South Alabama is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF BIOLOGY TWO TENURE-TRACK POSITIONS

The two tenure-track positions in the Department of Biology and Mathematics will be filled for fall 1987. A doctorate in the biological sciences is preferred, but those with advanced degrees are encouraged to apply. Participants should have a strong commitment to teaching, and research and interdisciplinary interests are desirable. The University of South Alabama is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR, TENURE TRACK. Ph.D. required. We are seeking a broadly trained biologist to teach courses in molecular, cellular, and evolutionary biology. Send curriculum vitae, complete transcripts and three letters of recommendation. Screening will begin March 1987. Dr. Deborah Mascioli, Department of Biology, College of St. Catherine, St. Paul, MN 55105. An Equal Opportunity Employer.


ASSOCIATE PROFESSOR, TENURE TRACK. Ph.D. required. Will teach introductory biology and a biology of women course. Send curriculum vitae, complete transcripts and three letters of recommendation. Screening will begin March 1987. Dr. Deborah Mascioli, Department of Biology, College of St. Catherine, St. Paul, MN 55105. An Equal Opportunity Employer.


ASSISTANT PROFESSOR OF INTERNAL MEDICINE, Nephrology Division, The University of Texas Health Science Center at Dallas (UTHSCD). Tenured research appointment. Requirements: Ph.D. with at least 5 years experience in vivo microporosification techniques and research on epithelial transport. Duties will include independent research in renal physiology and teaching of renal fellows and medical students. Send curriculum vitae, three letters of reference and a brief statement of research interests to: Donald W. Seldin, M.D., UTHSCD, 5323 Harry Hines Boulevard, Dallas, TX 75325–9030. UTHSCD is an Equal Opportunity Employer.
DEPARTMENT OF MOLECULAR GENETICS AND MICROBIOLOGY
UNIVERSITY OF MEDICINE AND DENTISTRY OF NEW JERSEY-ROBERT WOOD JOHNSON MEDICAL SCHOOL

The Department of Molecular Genetics and Microbiology is seeking candidates for FACULTY POSITIONS at all ranks. POSTDOCTORAL RESEARCH ASSOCIATES, RESEARCH ASSISTANTS and GRADUATE STUDENTS. Applicants with high scholarly achievement for faculty positions will be considered in all areas related to molecular genetics and microbiology. In order to develop and strengthen programs, we particularly welcome applications from investigators in the following areas: retroviruses, expression vectors, molecular immunology, and developmental biology. Postdoctoral research associates and research assistants with experience in one of the following areas will be considered: protein purifications and chemistry, enzymology, cDNA and gene cloning, and microinjection techniques. An ADMINISTRATIVE COORDINATOR position (business manager/grants administrator) is also available (a Bachelor’s degree plus a minimum of two years’ related experience preferred—experience may be substituted for the degree on a year for year basis. Applicants for the faculty positions, postdoctoral positions and graduate students should send C.V., a concise statement of research accomplishments and plans, and the names of three references to: Dr. Sidney Pesta, Chairman, Dept. of Molecular Genetics and Microbiology, (SCI), University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School, 675 Hoes Lane, Piscataway, NJ 08854-0633. Applicants interested in research assistant positions or the administrative coordinator position should submit their resumes to the Department of Human Resources at the above address. UMDNJ is an equal opportunity/affirmative action employer m/f/hv.

SCIENTIST (MICROBIOLOGIST)

Salsbury Laboratories, Inc., a leader in the development and marketing of Animal Health vaccines worldwide, has an immediate position available for a Microbiologist in our Biological Development Department.

Our candidate will have a Ph.D. in microbiology with a minimum of five years’ experience in vaccine development. The selected individual will be intimately knowledgeable of poultry diseases and record of success in the development of vaccines for their prevention.

For the individual who is unafraid of rolling up their shirt-sleeves and working in an environment that is end result oriented, we offer a competitive salary and benefits program.

Do not hesitate, send your resume today and become a member of a forward thinking Animal Health company.

Director of Human Resources
SALSBURY LABORATORIES, INC.
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An important pharmaceutical laboratory nearby Paris offers a research position for a

Pharmacologist-Biochemist

with interest in the pharmacology of hypertension (renin-angiotensin system, sympathetic nervous system). The candidate should have a PhD or equivalent experience in the mentioned research areas.

Please send C.V. + photo with a letter and your requirements quoting reference 2953 on the envelope to Media-System, 2 rue de la Tour-des-Dames, 75009 Paris, France, who will forward your dossier to us.

Research Scientist
Virology

We’re Praxis Biologics, a research-driven, results-oriented company recognized as a pioneer in the development of pediatric vaccines.

As a member of our staff, you will conduct research related to the immune system’s responses to viral infections and the development of viral vaccines. Candidates should have a PhD in Virology, Immunology or related field with a minimum of 2 years postdoctoral experience. This should include extensive work with immunological assays systems and a strong background in immune responses to infectious agents. Experience with animal model systems is highly desirable.

Please send your resume and salary requirements to:
Human Resources Department, Praxis Biologics, 300 East River Road, Rochester, NY 14623.

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**POSITIONS OPEN**

**ASSISTANT/ASSOCIATE PROFESSOR.** One or possibly two positions in exercise physiology for Ph.D.'s with interest in cardiac arrhythmias and neurophysiologic control of hypertension. Minimum training grant. U.S. citizenship or permanent residence required. Send curriculum vitae to: Dr. Charles Amsden, Mammalian Cardiovascular Laboratory, Utsa, NY, 13504. Telephone: 315-735-2217.


**DIRECTOR INTERNATIONAL PROGRAMS IN AGRICULTURE AND ASSOCIATE DEAN COLLEGE OF AGRICULTURE THE OHIO STATE UNIVERSITY** The Ohio State University is seeking applications and nominations for Director, International Programs in Agriculture. The person will serve as an Associate Dean in the College. Major responsibilities include the planning, coordination, resource development, and implementation of international activities funded through a variety of sources. An earned Ph.D. degree is required. The candidate must qualify for a tenured faculty position and preferably have an understanding of the Land-grant system. Applications will be accepted until 15 February 1987 or until the position is filled.

**MOLECULAR BIOLOGIST** Warren Wilson College, a small liberal arts college on 1100 acres in Blue Ridge Mountains near Asheville, NC, seeks Ph.D. with proven teaching ability and research potential. Well-equipped research lab. Teaching will include general physiology, biochemistry, and microbiology. Submit curriculum vitae and three supporting letters to: Dr. David Hartleb, Department of Biology, Box 5032, Warren Wilson College, 701 Warren Wilson Road, Swannanoa, NC 28778. Equal Opportunity Employer. Deadline 1 March 1987.

**POSTDOCTORAL RESEARCH ASSOCIATE.** A position is available immediately in the field of intercellular communication. Applicant must have Ph.D. in physics, chemistry, or biology. Electrophysiological and computer experience needed. Send application letter, curriculum vitae, and the names of three references to: Dr. P. R. Brink, Anatomical Sciences, HSC, School of Medicine, State University of New York (SUNY), Stony Brook, Stony Brook, NY 11794. SUNY, Stony Brook, is an affirmative Action/Equal Opportunity Educator and Employer.

**Research Associate** To develop software for analysis, display and archiving of oceanographic satellite data. Responsible for operation and maintenance of network of SUN workstations. Master's degree in Science/Engineering and experience with oceanographic data processing and writing graphics software. Familiarity with the handling of the UNIX system and proficiency of FORTRAN required. Familiarity with PASCAL and C languages desired. Apply to: Personnel Manager Box 54P WOODS HOLE OCEANOGRAPHIC INSTITUTION Woods Hole, MA 02543 An equal opportunity employer M/F/H/V
NATIONAL INSTITUTE ON AGING
National Institutes of Health
Public Health Service

The Biomedical Research and Clinical Medicine Program is seeking applicants for the position of Health Scientist Administrator (Biological Sciences) to serve as a program director for the Genetics and Immunology Program, with contributing responsibilities to Cell Biology, Molecular Biology, and Theoretical Biology. Specific responsibilities include developing, managing, coordinating and monitoring a program of research grants, training grants, fellowships and contracts. Applicants should have completed all requirements for a Ph.D. (or equivalent doctoral degree) in the biological or allied health sciences. Additionally, applicants must have experience which clearly demonstrates ability to work independently in planning, organizing, and conducting genetic or immunologic research as well as to administer a research program; demonstrated expertise in some area of molecular genetics is preferred. The position will be filled through the Civil Service or Commissioned Corps of the U.S. Public Health Service. The grade of the position is GS-13/14 with a salary range of $38,727-$59,488 p.a., depending on the qualifications of the applicant selected. Benefits include a retirement plan, health and life insurance, sick and annual leave. Duty Station: Bethesda, Maryland. U.S. citizenship required.

Any applicant not currently employed in the Federal Government as a Health Scientist Administrator will be required to obtain an eligible notice of rating. Submit application for Federal employment (SF-171), curriculum vitae and bibliography to: Ms. Sara Benesch, Personnel Office, National Institute on Aging, 9000 Rockville Pike, Building 31, Room 2963, Bethesda, Maryland 20892. Applications must be received or postmarked by February 28, 1987.

Carolyn Benesch at (301) 496-5347 for further information.

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ASSOCIATE EDITOR

SCIENCE MAGAZINE

Editorial position available for a Ph.D. biochemist or molecular biologist with two or three years of research experience; specific capability in structural biochemistry, immunology, and enzymology; wide general interest in biological sciences; and publications in the refereed literature. Initial duties will include editing manuscripts for clarity and style. Progress to wide responsibilities in manuscript selection is expected. Previous editorial experience not required. This is a full-time position in our Washington, D.C. editorial office.

Please submit resume with cover letter, including salary requirements to:

Carolyn Bell
SCIENCE Magazine
1333 H Street, NW
Washington, DC 20005

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CHAIR, DEPARTMENT OF ANATOMICAL SCIENCES
City University of New York Medical School

Applications and nominations are invited for the Chair of a new Department of Anatomical Sciences at CUNY Medical School. The School has a special obligation to emphasize the significant emerging role of primary care as well as to increase the number of physicians in underrepresented minorities in the nation's physician pool and to enhance the availability of medical services to underserved areas.

Candidates should be recognized as outstanding in research, have strong teaching credentials and have administrative strengths. Salary competitive and commensurate with experience. Please send letters of application or nomination, curriculum vitae and the names, telephone numbers and addresses of three references by March 15, 1987 to: Dr. Meir Lev, Chair, Search Committee for Anatomical Sciences, City University of New York Medical School

CITY COLLEGE OF CUNY
Convent Av & 138 St
New York, NY 10031

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MOLECULAR BIOLOGY GROUP LEADER

Agouron Pharmaceuticals is a rapidly growing company committed to the exploitation of protein structure in the design of novel therapeutic molecules. Agouron's scientific strategy relies upon strong interdisciplinary interactions between molecular biology, protein crystallography, and organic chemistry. Our state-of-the-art facilities occupy a seaside location in the vigorous scientific community of La Jolla, California.

We seek a senior scientist (not less than five years of postdoctoral experience) with a broad background and an abiding interest in the cloning, characterization and expression of prolylase and eukaryotic genes as group leader in molecular biology. Attractive compensation package includes stock options. Send curriculum vitae and references in strict confidence to:

Reference MB

Agouron Pharmaceuticals, Inc.
505 Coast Boulevard South
La Jolla, California 92037

RESEARCH SCIENTIST

Ortho Pharmaceutical, a Johnson & Johnson Company, is respected worldwide for its continued success in the advancement of vital research to improve the quality of life. To support our continued commitment, we are seeking a scientist to develop new research and contribute to on-going projects.

Working closely with medicinal chemistry, you will be expected to create a drug discovery program in Reproductive/Endocrine Research and develop clinically predictive biological assays.

The successful candidate will have a Ph.D. in endocrinology, pharmacology or equivalent, with 0-2 years' industrial experience or postdoctoral research in reproductive endocrine pharmacology or bone physiology.

We offer a competitive salary and the outstanding benefits, professional growth and opportunity you would expect from a Johnson & Johnson Company. For prompt, confidential consideration, please forward your resume with salary history and requirements to: Mr. Frank Foltz, Dept. 2, ORTHO PHARMACEUTICAL CORPORATION, P.O. Box 300, Route 202, Raritan, New Jersey 08869-0402.
POSTDOCTORAL POSITION—The Dana-Farber Cancer Institute has a postdoctoral position available in summer 1987 for a qualified candidate with M.D. or Ph.D. to study the molecular genetics of human DNA repair genes, particularly the genes for enzymes involved in repair of x-ray-induced DNA damage. Previous experience in prokaryotic or eukaryotic molecular biology is desirable. Joint appointment will be held in an appropriate department of Harvard Medical School. Candidates are encouraged to apply to: Dr. William D. Henner, Director of Cancer Pharmacology, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION now available in biochemistry. We are an established group in the area of membrane structure and function, magnetic resonance spectroscopy and biophysics, with interests in signal transduction, protein kinases, phospholipase C, and molecular basis of tumor promotion. We are looking for a colleague with mutual interests and a strong background in biochemistry. Cloning experience helpful. Send curriculum vitae and names and addresses of three references to: Dr. O. Hayes Griffith, Institute of Molecular Biology, University of Oregon, Eugene, OR 97403 by 15 February 1987. Telephone: 541-686-4634. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION in FETAL PHYSIOLOGY/ENDOCRINOLOGY
Available July 1987, position supported by USPHS-NIH training grant. Various aspects of the regulation of fetal cardiovascular—endocrine interactions, the regulation of fetal and placental growth and differentiation by growth factors and hormones, and the hormonal and neuroendocrine regulation of the onset of labor are under investigation. Studies may involve the use of in vitro and in vivo approaches as well as mathematical modeling.

Applicants should have a strong background in endocrinology, physiology, cell biology, or mathematics. Send curriculum vitae and the names of three references to: Dr. Lawrence D. Longo, Division of Perinatal Biology, Department of Physiology, School of Medicine, Loma Linda University, Loma Linda, CA 92350. Equal Opportunity Employer.

POSTDOCTORAL TRAINING IN PLANT MOLECULAR BIOLOGY, MOLECULAR BIOLOGY, BIOCHEMISTRY, AND GENETICS
The Plant Gene Expression Center (PGEC) in Albany, California, sponsored by USDA's Agricultural Research Service and the University of California, Berkeley, invites applications for qualified candidates with Ph.D. degrees for ten postdoctoral positions. The PGEC is an interdisciplinary program designed to provide plant biologists with the technology to maintain and enhance the quality and productivity of the agricultural product. The PGEC program includes: auxin-regulated gene expression (A. Theologis); maize transposable elements (B. Baker); monocot transformation (M. Fromm); gene expression in transgenic plants (D. Ow); developmental mutants of maize (S. Hake); flower development (S. McCormick); and phytochrome regulation (P. Quail). Candidates should be familiar with molecular biology, biochemistry, or genetics. Salary is commensurate with experience with a range of $22,000 to $27,000. For information on the research program and/or positions, telephone Gerald G. Still, 415-482-3662. To obtain federal application forms, contact: Patricia Roberts 301-344-3138, USDA, Agricultural Research Service, Room 405, Building 003, BARC-W, Beltsville, MD 20705. An Equal Opportunity Employer.

RESEARCH ASSOCIATE with Ph.D. in electrical engineering or biophysics needed to participate in development and operation of a human motor physiology laboratory studying basic mechanisms underlying control of voluntary movement and motor disability caused by neurological disease. Physiological, electronics, and computer programming experience required. Write to: Timothy A. Pedley, M.D., Chairman, Committee on Appointments and Promotions, Department of Neurology, College of Physicians and Surgeons, 710 West 168 Street, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

Center for Technology and Policy
Boston University
Bell and Howell Postdoctoral Fellowships
The Center invites nominations and applications for Bell and Howell Postdoctoral Fellows in Technology and Policy to perform research in the following areas: (1) decision making in a rapidly changing technological environment or (2) industrial innovation, including implementation and diffusion of technology in industrial firms, industrial research productivity, and international competitiveness.

Responsibilities: Fellows are expected to engage in research in one of the designated areas, to participate in the scholarly activities of the Center, to assist the heads of Center research units in generating new research projects, and to prepare a final report summarizing the year's work.

Qualifications: A recent doctorate in Engineering or Physical Science, with specialization in one of the identified areas and a commitment to research and publication.

Stipend and Appointment: Initial appointment for one year with a stipend of $25,000 to $30,000, depending on experience, with possibility of long-term appointment. Appointments will be made for July 1, 1987, and September 1, 1987.

Applications: Applications with a statement of interest, vitae, and three letters of recommendation, and copies of published work must be received by April 1, 1987. Please send to:
Professor Yoram Neumann, Chair
Bell and Howell Search Committee
Center for Technology and Policy
Boston University
197 Bay State Road
Boston, MA 02215

Boston University is an equal opportunity institution.

STUDY DIRECTOR
Avian Toxicology
The Corporate Toxicology Facility of Mobay Corporation located in Kansas City is currently searching for a qualified PhD professional to handle the following responsibilities:

- Planning and directing all acute toxicity studies, reproductive studies, and field studies with technical and formulated agrichemical products
- Scientific interpretation and analysis of study results and technical report preparation
- Contracting and monitoring of all work conducted through outside labs
- Future planning and development in the area of avian/wildlife toxicology

 Qualified candidates should possess PhD and several years experience as a study director dealing with avian toxicology.

Position offers a competitive salary and comprehensive paid benefits package including complete relocation. Send curriculum vitae and salary history to: R.M. Dischner, P.O. Box 4913, Kansas City, Mo. 64120.

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Applications or nominations, in-
cluding a complete curriculum vitae
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submitted by March 1, 1987 will
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Professor Carol A. Owen
Chairperson,
Dean Search Committee
Department of Sociology/
Anthropology
500 Holmes Hall
Northeastern University
360 Huntington Ave.
Boston, MA 02115

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genetics, or biology, and have several years of research experience.

Amgen is located in an attractive community about an hour northwest of Los Angeles,
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POSITIONS OPEN

MASS SPECTROMETRIST
Position available immediately at the Children's Hospital of Philadelphia and the Department of Pediatrics, University School of Medicine, for a RESEARCH ASSOCIATE in the Mass Spectrometry Laboratory. The candidate must have experience in gas-phase—mass-spectrometry and isotope ratio—mass-spectrometry. Candidate will assist with projects involving use of stable isotopes in metabolite analysis. This should possess M.A. or Ph.D. and a strong knowledge of mass spectrometry instrumentation. A background in biomedical mass spectrometry is desirable but not essential. Salary and academic status are negotiable and will be commensurate with the applicant's experience.

Send curriculum vitae and names of three references to:
Marc Tudzak, M.D.
Division of Metabolism
Children's Hospital of Philadelphia
34th Street and Civic Center Boulevard
Philadelphia, PA 19104

RESEARCH ASSOCIATE position to be offered at basic pay rate of $1750 per month, 37.5 hours weekly from 8:00 a.m. to 4:30 p.m. Monday through Friday. This person will use radiolabeled substances to determine monoamine oxidase activity in body tissues and to test for inhibitors of this enzyme. He or she will use low-pressure chromatography to separate peptides and other substances from human blood, CSF and other bodily tissues, and will also use high-performance liquid chromatography to array extracts for substances of interest. The position requires a Ph.D. in biochemistry and 1 year of experience. Background in mammalian biochemistry is helpful. No special training is required. Please send résumé to:
Illinois Job Services, Attn: Joan Hunton, 403 South State Street, 3 South, Chicago, IL 60605.
Reference #6621-H. An employer-paid ad.

RESEARCH GEOPHYSICIST
RESEARCH GEOPHYSICIST: Required for strategic seismic processing research group. Responsibilities include: research and development of new seism stratigraphic processing technology; integration of these applications into the existing proprietary seismic processing system; and personal interaction with and communication of results to research, processing, and operating company geophysicists. Reports to Supervisor, Seismic Processing Group, Seismic Processing Center. Background in seism stratigraphic and numerical processing systems is necessary in seismic data processing, computational physics, and digital signal processing. Excellent scientific programming skills and computer experience required. Working knowledge of time VAX, IBM, and CRAY operating systems and vectorizing techniques highly desirable. Ph.D. in geophysics, physics, or digital signal processing required. Salary range is $35,000 to $52,000, depending on experience. Send résumé to: Chevron Oil Field Research Company, Human Resources, P.O. Box 446, La Habra, CA 90631. An Equal Opportunity Employer.

RESEARCH INVESTIGATOR position available to characterize neurotransmitter receptors, investigate acetylcholine biosynthetic mechanisms, and analyze structure activity relationships of pharmacologic agents. A Ph.D. in biochemistry, training in neurochemistry or neuropharmacology, and publications in peer-reviewed journals are required. The applicant should have expertise in enzyme kinetics, structure activity relationships, physiologic studies involving neuropeptide transmission using isolated perfused tissues, and in molecular biology and physiologic studies using voltage clamp and computer analysis. Salary range: $19,695 to $24,360 per year depending on qualifications; 40 hours per week. Send curriculum vitae and names of three references to: Iowa Job Service, 1810 Lower Muscatine Road, Iowa City, IA 52242. Job Order Number 16297/32. This is an employer-paid ad. An Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE to study control of renal microcirculation. Research focuses on inter- and intracellular control mechanisms. M.D. or Ph.D. required. Background in renal physiology, microcirculation desirable. Send curriculum vitae and names of three references to: Donald W. Chapline, Department of Physiological Biology, University of Southern California School of Medicine, 1333 San Pablo Street, Los Angeles, CA 90033.

USC is an Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE IN MOLECULAR NEUROBIOLOGY, University of Texas Health Science Center at Dallas, Department of Neurology, invites applications from M.S., Ph.D. or M.D. individual with preferred experience in molecular genetics to pursue: (i) characterization of reiterative DNA sequences and their possible transcriptional products altered during mammalian development or oncogenesis of glioma and neuroblastoma and (ii) Northern blot analysis of hormonal induction of specific mRNAs in developing neural tissue. Interested applicants should send curriculum vitae and names of three references to: Dr. Roger N. Rosenberg, Department of Neurology, UTHSCD, 6323 Harry Hines Boulevard, Dallas, TX 75390-9306. UTHSCD is an Equal Opportunity Employer.

RESEARCH POSITION AVAILABLE
HUMAN NEUROPHYSIOLOGIST/ FSTYCHOPSYCHOSIST
Immediate opening in unique project integrating Event-Related Potential (ERP), Magnetoencephalogram (MEG), Posterior Emotion Torsionography (PET), and Magnetic Resonance Imaging (MRI) technologies. Exceptional quantitative skills and facility with personal computers are essential. Send résumé to: K. Dean, EEG Systems Laboratory, 1855 Folsom Street, Room 610, San Francisco, CA 94103.

RESEARCH SCIENTIST
The University of Texas Health Science Center at San Antonio is recruiting for a research scientist position. A doctoral degree with major course work in the field of nuclear magnetic resonance and 2 years of experience are required. Have excellent written and oral communication skills. Send curriculum vitae to: The University of Texas Health Science Center at San Antonio, Office of Human Resources, 7703 Floyd Curl Drive, 3699. An Equal Opportunity/Affirmative Action Employer.

The Radiation Biochemistry Department at the Armed Forces Radiobiology Research Institute (AFRRI, which is part of the Office of the Defense Nuclear Agency (DNA) is seeking a qualified candidate to fill the position of SUPERVISORY RESEARCH BIOLOGIST/ CHEMIST with a graduate degree in biochemistry (CHAIRMAN, RADIATION BIOCHEMISTRY DEPARTMENT). This department is responsible for a broad area of research related to elucidating and modifying radiation. Candidates must have postdoctoral experience in radiation-induced cell injury and death. This program utilizes a broad spectrum of multidisciplinary approaches including chemical, biochemical, molecular biology, and recombinant DNA methodology. As Chairman, Radiation Biochemistry Department, responsible for administration and technical supervision of approximately 50 employees, the candidate must have extensive experience in biochemistry and cellular radiobiology as evidenced by a strong publication record and relevant professional associations. The Supervisor, Research Biologist/Supervisory Research Chemist position is a permanent position and is available immediately. Salary range is $52,000 to $56,000. Send résumé format: NAME/ADDRESS/POSITION/MILD/DOCTORAL/EXPERIENCE/TECHNICAL TO: Civil Service position, send curriculum vitae and SF-171 and reprints of representative publications to: The Armed Forces Radiobiology Research Institute, Villian Personnel Office, Bethesda, MD 20814—8145 by 31 March 1987. Indicate announcement MVSA 129/68. Direct inquiries to: Commander Richard L. Beavers, AFRRI, 1251 Massachusetts Ave., Cambridge, MA 02139 or Ms. Joan Kelleher, Personnel Management Specialist, telephone: 302-298-1426. U.S. citizenship is required. The Armed Forces Radiobiology Research Institute is an Equal Opportunity Employer.

STAFF SCIENTISTS, MONOCLONAL ANTIBODY SECTION
Rapidly growing company developing biological therapies for cancer has immediate need for experienced research staff scientists with experience in generating hybridomas and screening monoclonal antibodies reactive with tumor cell. Excellent opportunity to participate in research rapidly leading to clinical applications. Send curriculum vitae to:
Dr. Robert K. Oldham Biotherapeutics Inc.
400 Eddy Lane
Franklin, TN 37064

UNIVERSITY OF ALASKA—FAIRBANKS
SOUTH SHAMAN ENDOWED CHAIR IN PHYSICAL SCIENCES
The University of Alaska—Fairbanks invites nominations for the position of the Chair in Physical Sciences. The University of Alaska at Fairbanks has well-established undergraduate and graduate programs in the physical sciences. Research is conducted through affiliation with the Institute of Marine Science, Institute of Arctic Biology and the Geophysical Institute. The candidate for the Chair must be a distinguished physical scientist in physical chemistry, atmospheric sciences, or earth sciences, including all physical and chemical areas of study of the earth, oceans, and atmosphere. Preference will be given to candidates who interface with existing programs. The candidate will be expected to maintain a vigorous research program and to take an active part in teaching through classes and seminars. Please submit letters of nomination by 1 May 1987, to: Chairman, Search Committee, Sydney Chapman Chair, College of Natural Sciences, 465 Duckering Building, University of Alaska—Fairbanks, Fairbanks, AK 99775—1240. Application for employment with the University of Alaska may be subject to public disclosure. If selected as a finalist, The University of Alaska is an Affirmative Action/Equal Opportunity Employer and Educational Institution.

VIRUS STRUCTURE
Two positions are available for RESEARCH ASSOCIATES to participate in a study of the structure and function of enveloped viruses using cryoelectron microscopy and image processing, coupled with biochemical and biological techniques. Applicants with a recent Ph.D., strong background in biochemistry or molecular biology and an interest in structural biology are encouraged to apply. Please send curriculum vitae and three letters of recommendation to: Dr. W. Chiu or Dr. M. Howlett, Department of Molecular and Cellular Biology, Bioscience West Building, University of Arizona, Tucson, AZ 85721. Closing date for these positions is 31 March 1987. The University of Arizona is an Equal Opportunity/Affirmative Action Employer.

ZOOLOGIST
Continuing faculty position at College of the Atlantic (COA), a residential college in the Acadia National Park, in and in appropriate complementary areas. COA is a small, private nondepartmental college offering a B.A. in Human Ecology, offering an interdisciplinary study, self-government, and curricular innovations. Doctorate and teaching experience are preferred. Preference may be given to applications received before 21 February. Send applications to: Mrs. Charlotte B. and Mr. Donald A. Case, Chairman of Personnel Committee, College of the Atlantic, Bar Harbor, ME 04609. An Equal Opportunity/Affirmative Action Employer.
MOLECULAR BIOLOGY

At Cetus Corporation, we are committed to maintaining our leading role in the research and development of biotechnology-based products.

We currently seek a Research Assistant/Associate to join our Molecular Biology staff. Responsibilities will include the construction of plasmid and phage cDNA libraries; isolation and analysis of cDNA clones; the use of in vitro mutagenesis to construct expression vectors; and the testing of expression vectors.

The successful candidate will possess a related BS/MS plus experience in general molecular biology, including plasmid construction. Experience in cDNA library construction is additionally preferred.

Please send your resume in confidence to:

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INDUSTRIAL TOXICOLOGIST

At WARNER-LAMBERT, a multinational leader in pharmaceuticals and consumer products, we recognize that each job and every person is essential to our success.

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This position reporting to the Manager, Industrial Toxicology Research requires a Ph.D. in toxicology, pharmacology or a related field with 0-1 year experience. Computer literacy, excellent verbal and written communication skills and the ability to work independently are required.

Qualified candidates should submit resume with salary requirements to: Mr. Robin Bachman, Corporate Human Resources, WARNER-LAMBERT, 201 Tabor Road, Morris Plains, New Jersey 07950.

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DEPARTMENT OF POUtry SCIENCE, THE PENNSYLVANIA STATE UNIVERSITY. TREN- TURE-THREE-RYRE ESSAY. DENDOLOGICAL GENETICS OR REPRODUCTIVE PHYSIOLOGY—To establish independent research programs in the area of reproduction, fertility, and related physiological and genetic studies, including genetic and reproductive physiology. Salary range: $30,000 to $45,000, depending on qualifications and experience.

ILLINOIS LEGISLATIVE SCIENCE INTERN
Sangamon State University invites applications from graduates (baccalaureate, masters, doctorate) of science or engineering programs for 10-15-month science internships beginning 1 October 1987 as part of the Illinois Legislative Staff Internship Program. The science internship (I-I S) will be assigned to be a consultant in the Science Office of the Illinois Legislative Research Council. The Science Office provides legislators with information and research about policy issues that involve science and technology. As part of the program, the intern will participate in an academic seminar and other legisla- tive intern. Send curriculum vitae by 1 March 1987 to: Dr. H. S. Siegel, Head, Department of Poultry Science, 214 Henning Building, Box A, The Pennsylvania State University, University Park, PA 16802. Penn State is an Equal Opportunity/Affirmative Action Employer.

VICE CHANCELLOR FOR RESEARCH AND DEAN OF THE GRADUATE SCHOOL UNIVERSITY OF ALASKA—FAIRBANKS (UAF)
The Vice Chancellor, under the general guidance of the Chancellor, is responsible for overall leadership, coordination, and direction to UAF research and scholarly activities. UAF is the center for organized research with a diverse student body and faculty. Addi- tionally, the Vice Chancellor has responsibilities for advising the overall quality of graduate programs in concert with the Graduate Council. Qualifications in- clude a Ph.D. or equivalent degree, record of scholarly achieve- ment as evidenced by publication record, understanding of basic and applied research, and success in obtaining sponsored research funding. Experience in the manage- ment of a research/academic unit is desirable. Send nominations or applications to: Dean James V. Drew, Chairman Search Committee 303 Signers' Hall University of Alaska—Fairbanks Fairbanks, AK 99775 Telephone: 907-474-7188 Applications should include a letter of application, résumé, and at least three references. Closing date: 31 March 1987. The University is an Equal Opportunity/Affirmative Action Employer and Educational Institution.

CONFERENCE
THE NEW YORK ACADEMY OF SCIENCES AN INTERNATIONAL ORGANIZATION CONFERENCE ON: IMPACT ON THE FETUS OR PARENTAL SEXUALLY TRANSMISSION DISEASES 28 TO 30 SEPTEMBER 1987 CRYSTAL CITY GATEWAY MARRIOTT, WASHINGTON, DC
Sexually transmitted disease (STD) has increased ten- fold in the United States since 1960. The prophyly of the infected adults need protection from the sequel to the adult lifestyle. STD has frequently become a significant and even life-threatening problem for the offspring. This conference will summarize the current state of knowledge and identify the etiologic agents of STD which adversely affect the well-being of the fetus and the newborn.
There will be a contributed poster session. The dead- line for submission of abstracts is 1 May 1987. A 200- word summary of work to be presented should be sent to: Ruth B. Kaindun, Sc.D., Brigham and Women’s Hospital, Harvard Medical School, 75 Francis Street, Boston, MA 02115.
CONFERENCE ORGANIZERS: Ruth B. Kaindun, Sc.D., Brigham and Women’s Hospital, Harvard Medical School, 75 Francis Street, Boston, MA 02115.
Lawrence Falk, Ph.D., Abbott Laboratories, Chica- go, IL.
Sally J. Hite, Ph.D., New York Department of Health, Albany, NY.
For program and registration information: Conference Director, New York Academy of Sci- ences, 2 East 63 Street, New York, NY 10021.

INTERNSHIPS
POSTDOCTORAL TRAINEEHIPS (M.D. or Ph.D.) for 1 to 3 years in basic vision research. Prece- tors: Bernard Becker, Joel Brown, Ronald B. Adolph Cohen, Nigel Dow, Robert Miller, Alan Pearl- man. NIH supported stipends. U.S. citizens or perma- nent resident status. Starting time negotiable. Research areas include biochemical and electrophysiological studies on photoreceptor transaction; pharmacological and electrophysiological studies on identified retinal neurons; and ultrastructural and biochemical studies on organ- ization; development of visual cortex; the basis of visual deprivation effects on cortical organization; ocular fluid dynamics; visual function of photoreceptor pre- ceptor at ARVO or write for details: Dr. Adolph Cohen, Ophthalmology, Box 8096, Washington Uni- versity Medical School, St. Louis, MO 63110. An Affirmative Action/Equal Opportunity Employer.

FELLOWSHIPS
RESEARCH FELLOWSHIP IN CARDIOVAS- CULAR DISEASES. Two-year program available 1 July 1987 under NIH Training Grant, focusing on mechanisms of blood and therapy for arterial thrombosis and relationship to rheology, vascularconstriction, and pathologic- ism the science of humans and animals. Candidates should be partially or fully trained clinical cardiology; U.S. citizen or immigrant visa required. Supplemental clin- ical cardiovascular considered. Send cur- riculum vitae, statement of research interests, and names of three references to: James H. Chesebro, M.D., Mayo Clinic, Rochester, MN 55905. An Equal Opportuni- ty/Affirmative Action Institution.

POSTDOCTORAL FELLOWSHIP. The Oregon Regional Primate Research Center (ORPRC) announces availability of a 2-year postdoctoral fellowship ($18,000 per year plus fringe benefits). Applicants must be U.S. citizens or possess an Alien Registration Receipt Card. Research interests include: action, behavior, cellular, and molecular approaches to the study of reproduction; toxicology; and immu- nology. A formal research association with a staff scientist is due by 1 June 1987. A list of scientists and information can be obtained from: Dr. Harold G. Spies, Oregon Regional Primate Research Center, 171 NW 181th St, Beaverton, OR 97006. The ORPRC is an Equal Opportunity/Affirmative Action Em- ployer.

POSTDOCTORAL FELLOWSHIP CARDIOVASCULAR PHARMACOLOGY The Department of Pharmacology at The University of Texas Health Science Center, San Antonio, Texas, has a postdoctoral position available to study the neural control of the circulation. Background should be sufficient to conduct research as a collaborator in the neurobiology of the cardiovascular system. Send resume and names of three references to: Vernon S. Bishop, Ph.D., Department of Pharmacology, The University of Texas Health Science Center, 7703 Floyd Curl Drive, San Antonio, TX 78284-7754. The University of Texas Health Science Center at San Antonio is an Equal Opportunity/Affirmative Action Employer.

FELLOWSHIPS
University of California, San Diego, Departments of Medicine and Biology. FELLOWSHIPS IN ENDO- CRINE RESEARCH. Potential roles include: 1. genetically oriented Ph.D.’s and M.D.’s for a 2-to-3 year training program of research in the biology of calcium and skeletal metabolism beginning 1987 and/or January 1988. Applicants must be eligible for NIH training grants. Specific projects include (i) molecular and cellular mechanisms in the regulation of hormone release; (ii) biosynthesis, secretion, and molecular biology of calcitonin and related neuroendocrine factors; (iii) bone matrix proteins and minerals, (iv) gene expression and skeletal differenti- ation. Send curriculum vitae and description of interests to: Nicholas J. Lem, Program Director, Box 1949, University of Virginia, Charlottesville, VA 22908.

NIH STAFF FELLOWSHIP NIH VISITING FELLOWSHIP MOLECULAR BIOLOGY/GENE THERAPY The Development and Metabolic Neurology Branch, National Institute of Neurological and Communicative Disorders and Stroke, National Institutes of Health, Public Health Service, invites applications for NIH Staff Fellowship or NIH Visiting Fellowship position. This postdoctoral position is available to study regulation of genes following transfer into cultured cells and whole organs using retroviral vectors and recombinant adenoviruses. The candidate will be expected to study regulation of human globin and lysosomal enzyme genes. Experience in one of the following areas is highly desirable: eukaryotic molecular biology, hemopoesis or mouse embryology. For the NIH Staff Fellowship program, candidates must be U.S. citizens or permanent alien status and must have a doctoral degree or equivalent. For the NIH Visiting Fellow program, candidates may be resi- dent, collateral scholars, or permanent alien status, or doctoral degree, or its equivalent, in a health science field whose relevant graduate degree does not exceed 3 years of service at the time of their application on duty.
The positions are located in Bethesda, Maryland. For position information and qualification requirements, candidates may telephone: Mr. Wallace Holland, Personnel Management Specialist, (301) 402-6584. Inte- rested candidates should send curriculum vitae, a brief statement of research interest and the names of three (3) references to: Dr. Stefan K. Young, DMBN, NINCS, National Institutes of Health, 9000 Rock- ville Pike, Building 10, Room 3D04, Bethesda, MD 20892; Telephone: 301-496-3285. An Equal Opportu- nity Employer.

POSTDOCTORAL FELLOWSHIPS available in endocrinological and behavioral development. The Uni- versity of Virginia announces a new NIHCHD multidis- ciplinary program.
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O. Steward, Ph.D. Neuronal Biology Vision Development
J. Benington, M.D., Ph.D. Sensory Development Regulation of Memory
B. Berthenthal, Ph.D. Genetic Mental Illness
P. Brunjes, Ph.D. Synthetic Transamination
P. Gold, Ph.D. Sensory Development
I. Gottesman, Ph.D. Oto logic Development
J. Hackett, Ph.D. Synthetic Modification
D. Hill, Ph.D. Physiology of Epilepsy
P. Lambert, M.D. Neuronal Axon Development
W. Levy, Ph.D. Neuronal Development
R. Lothman, M.D., Ph.D. Neurological Development
R. McCarty, M.D. Autonomic Development
D. Mellon, Jr., Ph.D. Neurovegetative Development
S. Moody, Ph.D. Neuro-anal Axon Development
L. Rebbun, Ph.D. General Developmental Physiology
S. Scarr, Ph.D. Neurodevelopmental Developmental Psycho- logy
W. Turk, M.D. Neuroendocrine Development
J. Turtle, Ph.D. Tropic Interactions
G. F. Wooten, M.D. Neurology
United States citizenship or permanent residency re- quired. Please send curriculum vitae and description of interests to: Nicholas J. Lem, Program Director, Box 1949, University of Virginia, Charlottesville, VA 22908.
CIBA-GEIGY is a major pharmaceutical company with an active interest in molecular biology. The company's excellent new research facilities are located in the heart of Basel, northwestern Switzerland. Basel is centrally located in Europe and has a leading molecular biology community. Several POSTDOCTORAL POSITIONS are now available for highly motivated Ph.D graduates to join the Molecular Genetics group for periods up to three years.

We are a group of young scientists working on the expression of foreign genes in mammalian cell cultures, the molecular aspects of allergic reactions, and the modulation of macrophage differentiation.

Candidates should preferably have experience in some of the following areas: mRNA isolation, cloning of cDNA and genomic DNA, expression of foreign proteins in pro- and eukaryotic systems, tissue culture.

Applications including a summary of background and research interest, curriculum vitae and the names of two references should be sent under Ref. "Science 1043" to Dr. U. Spaeti, CIBA-GEIGY Ltd., Personnel Department, Postfach, CH-4002 Basel, Switzerland.
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Edited by
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Histocompatibility Antigens on Murine Tumors
Factors in Protein Antigenic Structure

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Plasticity of the Differentiated State
Oncogenes in the Cytoplasm & Nucleus
Granulocyte-Macrophage Colony-Stimulating Factors
X-Ray Structure of Displatin with DNA
Immunoglobulin Heavy-Chain Enhancer: Tissue-Specific Factors

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Atrial Natriuretic Factor
The LDL Receptor Gene
Human von Willebrand Factor

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