ASSISTANT PROFESSOR. Parasitologist/microbiologist to join group studying the fine structure and immunocytochemistry of malarial parasites starting 1 July 1991. Experience with light and immunoelectron microscopy and immunohistochemistry, and a minimum of 2 years of postdoctoral experience. Teaching responsibility is primarily in immunology, but participation in gross anatomy and histology is also required. It is expected that the successful candidate will develop a student research program capable of attracting extramural funding. Interested applicants should send their curriculum vitae, a statement of research interests, and names of three references to: H. Daniel Bodley, Ph.D., Chairman, Department of Anatomy, Chicago College of Osteopathic Medicine, 4410 60th Street, Maywood, IL 60153. Affirmative Action/Equal Opportunity Employer.

ASSISTANT ASSOCIATE PROFESSORS. Leh-High University invites applications for two tenure-track faculty positions in the Department of Molecular Biology in areas related to genetics, development, immunology, or biotechnology. Start-up funds, NIH predoctoral training grant, and affiliation with Leh-High's Center for Molecular Biology and Biotechnology are available. Send curriculum vitae, statement of research interests and teaching experience, and names and addresses of three references before 30 June 1991 to: Dr. Robert Adam, Chair, Department of Molecular Biology, Leh-High University, 3800 Lehigh Avenue, Bethlehem, PA 18015. Leh-High is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR BIOCHEMISTRY/CELL BIOLOGY

The Department of Biochemistry at the University of Mississippi Medical Center invites applications for a tenure-track position from individuals who have backgrounds in cellular biochemistry. The individual will be housed on the Jackson, MS campus of the University of Mississippi Medical Center, which has a well-equipped and has strong research programs in eukaryotic gene organization and expression, protein synthesis, ribosome biogenesis, nucleic acid metabolism, and protein chemistry. The successful applicant is expected to establish or have an independent, high quality funded research program, to participate in the training of medical, dental, and graduate students and to teach a graduate level course in cell biology. Send curriculum vitae, outline of future research plans, and the names of three references to: Dr. Mark Olson, Chair, Department of Biochemistry, The University of Mississippi Medical Center, 2500 North State Street, Jackson, MS 39216–4508. Equal Opportunity Employer, M/F/H/V.

ASSISTANT/ASSOCIATE PROFESSOR OF ENVIRONMENTAL MICROBIOLOGY

The Department of Environmental Health at the Harvard School of Public Health invites applications for a position in environmental microbiology. The department plans to expand its curriculum and research in this area and is emphasizing the study of air and waterborne exposures to microorganisms and the ways microbes transform organic and inorganic chemicals. Applicants must have an established research career and a doctorate in environmental microbiology or related areas such as bacteriology, mycology, or environmental health. They must have experience in teaching and advising doctoral students. Harvard University is an Affirmative Action Employer. The school is especially interested in applications from qualified women and minorities. Applicants should send a letter of interest and a resume to:

Chair
Search Committee, Environmental Microbiology Department of Environmental Health Harvard School of Public Health
665 Huntington Avenue, Room 1305
Boston, MA 02115

DONT FORGET TO look into other careers opportunities in the special "CAREERS SECTION" in the center of this issue of SCIENCE

PERSONNEL PLACEMENT 1191

24 MAY 1991
POSITIONS OPEN

ASSISTANT PROFESSOR
RESEARCH NEUROLOGY

Cellular immunologists with interest in pathogenesis of viral infections of CNS. Funding available to direct established project in NINDS Program grant on immune aspects of viral-induced demyelination. Part of a molecular-oriented multidisciplinary group of investigators. Opportunities to develop original research interests as well. Application, including curriculum vitae, list of publications, and three letters of recommendation, should be sent to: Leslie P. Weiner, M.D., University of Southern California (USC) School of Medicine, 2025 Zonal Avenue, MCH 142, Los Angeles, CA 90033.

USC is an Affirmative Action/Equal Opportunity Employer, M/F/E/H, and we encourage applications from minorities.

DIRECTOR, GLOBAL CHANGE AND ENVIRONMENTAL QUALITY PROGRAM

The University of Colorado at Boulder seeks a distinguished leader for its global change and environmental quality program. This individual will create an interdisciplinary program to foster and integrate contributions from the physical, biological, engineering, and social sciences to the study of global change and environmental quality. The university will be creating a cross-disciplinary program to focus on global change problems as they affect change, local and regional environmental quality, and sustainable development. The successful candidate will be tenured in an appropriate department, but also should have a strong commitment to, and experience in, working across disciplines. The director will be expected to provide intellectual leadership and to make primary contributions to and shape the academic programs and teaching programs related to global change and to environmental quality, and to maintain a personal research program. The successful candidate should send to: William Lewis, Chair, Global Change Search Committee, Campus Box 334, University of Colorado, Boulder, CO 80309. Applications can be made at any time until the position is filled, but the committee will begin scheduling applications as of 1 July 1991 and may fill the position at any time after that date.

The University of Colorado at Boulder has a strong institutional commitment to the principle of diversity. In that spirit, we are particularly interested in receiving applications from a broad spectrum of people, including women, members of ethnic minorities, and disabled individuals.

DEVELOPMENTAL BIOLOGIST/ TOXICOLOGIST

The Perinatal Toxicology Branch, Developmental Toxicology Division, Health Effects Research Laboratory, U.S. Environmental Protection Agency (EPA), has openings for two permanent full-time PRINCIPAL INVESTIGATORS at the GS-12/13 level (salary range: $37,294 to $57,650). Research emphasis is on cellular, biochemical, molecular, or physiological pharmacokinetic approaches to elucidating mechanisms of normal and abnormal developmental/fetal development. Experience in mammalian developmental biology/toxicology preferred; interest in applying results of basic research to fetal risk assessment and environmental medicine. Adequate space, technical support, and start-up funds available. Send curriculum vitae and letter expressing research interests to: Dr. Robert Rogers, c/o Research Triangle Park, NC 27711. Deadline: 5 July 1991. An Equal Opportunity Employer.

TO ORDER ADDITIONAL COPIES OF THIS ISSUE OF SCIENCE SEE COUPON IN SPECIAL CAREERS SECTION

POSITIONS OPEN

CELLULAR/MOLEULAR MECHANISMS OF SENSORY TRANSDUCTION

The Department of Physiology at the University of Texas Health Science Center, Houston, TX, has two senior scientist positions available in the field of triple helix-forming oligonucleotides. The ideal candidate must have a Ph.D. in organic or medicinal chemistry with 3 to 4 years postdoctoral experience with a demonstrated ability to develop and validate methods for synthesizing novel nucleosides and oligonucleotides. Experience in molecular biology or oligonucleotide analogues is highly desirable. Excellent compensation. For consideration, please send a resume and publication to: Career Development Program for Senior Scientists, University of Texas Health Science Center, Box 1185, Houston, TX 77225.

INTERMEDIATE CLINICAL INVESTIGATORS

The Department of Physiology, University of Utah School of Medicine, 410 Chipeta Way, Salt Lake City, UT 84108. Affirmative Action Employer.

IMMUNOPHARMACOLOGY/ IMMUNOTHERAPEUTICS

ASSISTANT/ASSOCIATE/FULL PROFESSOR

The University of Pittsburgh School of Medicine at Peoria invites applications from individuals with expertise in immunopharmacology. Individuals should have a record of academic achievement. Applicants are expected to be in at least two of the following areas: (i) basic and/or clinical research, (ii) biocompatibility and immunogenetics with UNOS qualifications, and (iii) clinical immunosuppressive therapy. Applicants are expected to join an emerging cadre of biomedical scientists and medical practitioners. The position will be filled with the College of Medicine's allocation of time to renal and cardiac transplant programs. Clinical responsibilities will include the management of immunosuppressive regimens for transplant patients and the coordination of immunosuppressive drug trials. Research activities should be focused on the clinical pharmacology of immunosuppression on or the basic mechanisms of immunosuppressive therapy. Applicants should be accepted into the College of Medicine at the rank of associate or full professor. A Ph.D. degree is required. Salary: $37,294. Applications and letters of reference should be sent to: Eberly Family Professorship Committee, University of Pittsburgh School of Medicine, 124 College of Medicine, Pittsburgh, PA 15261. Telephone: 412-648-3625. Email: 180@psu.edu. Affirmative Action Employer.

POSITIONS OPEN

SNIEMEN SCIENTISTS. Triplex Pharmaceuticals, located in the heart of the Texas Medical Center, Houston, Texas, has two senior scientist positions available in the field of triple helix-forming oligonucleotides. The ideal candidate must have a Ph.D. in organic or medicinal chemistry with 3 to 4 years postdoctoral experience with a demonstrated ability to develop and validate methods for synthesizing novel nucleosides and oligonucleotides. Experience in molecular biology or oligonucleotide analogues is highly desirable. Excellent compensation. For consideration, please send a resume and publication to: Career Development Program for Senior Scientists, University of Texas Health Science Center, Box 1185, Houston, TX 77225.

The Tulane University School of Public Health and Tropical Medicine (SPHTM) invites applications and nominations for the CHAIR of the Department of Environmental Health Sciences (EHS). This search takes place in conjunction with an upcoming tenure-track faculty position at Tulane. EHS is a recently created department within the School of Public Health and Tropical Medicine. Our faculty engage in research across a diverse set of disciplines and include prominent scientists in the fields of human and animal toxicology, occupational and environmental health, and occupational hygiene. In addition, EHS has strong ties to the Environmental Health Sciences (EHS) program.

The Tulane University School of Public Health and Tropical Medicine (SPHTM) invites applications and nominations for the CHAIR of the Department of Environmental Health Sciences (EHS). This search takes place in conjunction with an upcoming tenure-track faculty position at Tulane. EHS is a recently created department within the School of Public Health and Tropical Medicine. Our faculty engage in research across a diverse set of disciplines and include prominent scientists in the fields of human and animal toxicology, occupational and environmental health, and occupational hygiene.

Applications and nominations will be accepted until a suitable candidate is identified. Applications from women and persons from minority groups are particularly encouraged. Applicants should forward curriculum vitae, the names and addresses of three references, and a statement of professional goals, interests, and experiences to: Hans Well, M.D. Chair, EHS Search Committee Office of the Dean Tulane University SPHTM 1430 Tulane Avenue New Orleans, LA 70112

ASSISTANT DIRECTOR SCIENCE EDUCATION CENTER

Ph.D. preferred in the natural sciences (physical sciences preferred) with either advanced degree in education or extensive experience in teaching K-12 students and/or teachers: or Ph.D. in Science Education with at least one degree in a natural science, mathematics, or engineering. Experience in educational software helpful. The successful candidate will help develop/teach programs for K-12 teachers and students. It is anticipated that the successful candidate will hold a joint appointment with an appropriate department of the University. Salary: $37,294. Send letter of intent, curriculum vitae, and three letters of reference to: Jeffrey M. Spielman, Search Committee Science Education Center, Box 3, University of South Carolina at Aiken (USCA), 171 University Parkway, Aiken, SC 29801. Telephone: 803-644-8440. Fax: 803-644-8449. Email: jms@usca.edu. Applications and nominations will be considered until 15 June 1991. USCA is an Affirmative Action/Equal Opportunity Employer.
SENIOR VICE PRESIDENT FOR RESEARCH 
AND DEAN OF THE GRADUATE SCHOOL

The Pennsylvania State University invites applications and nominations for the position of Senior Vice President for Research and Dean of the Graduate School. The Senior Vice President for Research and Dean of the Graduate School reports to the Office of the President and will work with the Executive Vice President and Provost of the University and the faculty to establish and administer policy on research and graduate study. As a senior academic officer, the Senior Vice President will participate in the formulation of academic and fiscal policy for the University and will represent the University’s research and graduate study interests to federal and state governments, to the international community, and to industry.

Penn State is one University geographically distributed at 23 campus locations. Penn State is a premier research institution, ranked 11th nationally in total research and development expenditures and 2nd nationally in private industry sponsored research support. Although a major portion of the research activities takes place at University Park, elements of the research program exist at all locations.

Programs of graduate study are offered at University Park, The Milton S. Hershey Medical Center, Erie Behrend College, Harrisburg Capital College, and Great Valley. Graduate study is offered in about 140 major programs, with 19 advanced academic and professional degrees being conferred. During the academic year 1989-90, approximately 1,840 advanced degrees were conferred, of which 429 were doctorates. Approximately 10,300 graduate students were enrolled in Fall 1990.

Candidates for this position should have academic credentials appropriate for appointment as a tenured professor with an accomplished record of research; a broad understanding of academic institution; executive experience and proven leadership capacity; understanding and support for the University’s multiple missions and its commitment to cultural diversity; commitment to the fostering of interdisciplinary research; evidence of experience in fiscal management; and the ability to attract human and financial resources to the University.

The Search Committee will review applications and nominations beginning June 24, and will continue to receive them until a candidate is selected. Nominations and applications, accompanied by a resume or equivalent information, and the names, addresses and phone numbers of four references, should be mailed to:

Dr. Eva Pell, Chair, Search Committee  
Senior Vice President and Dean of the Graduate School  
201 Old Main, Dept. SCI  •  University Park, PA 16802

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Women and Minorities Encouraged to Apply

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For the clinical professional, few organizations can match the advantages at the Janssen Research Foundation. Research and development is the mainstay of all we do, and as a member of the Johnson & Johnson Family of Companies, we offer a progressive environment, opportunities for advancement, competitive salary and superlative benefits, including our on-site wellness center.

We are planning to move to our state-of-the-art facilities currently under construction in scenic Washington Crossing, NJ in early 1992. If you’d like to bring your innovative ideas to an organization that will appreciate them, send your resume with salary history in confidence to: the Janssen Research Foundation, Employment Office Box S591, 40 Kingsbridge Road, Piscataway, NJ 08855-3998. An Equal Opportunity/Affirmative Action Employer M/F/H/V.

JANSSEN RESEARCH FOUNDATION

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**Plant Breeder/Geneticist**

We are seeking a PhD level scientist to join our Cell Biology and Genetics Group as part of our Plant Biotechnology effort. This individual will design, implement and direct a program using plant breeding, genetic, and physiological techniques to characterize genetically engineered crop plants. Training in plant breeding and genetics is required and experience in plant physiology, agronomic crops, and weed science is desirable. Dept: WS1

**Cell Biologist**

The BS/MS level scientist we seek for our Cell Biology and Genetics Group will conduct research in the area of plant transformation. This position will involve using cell biology, biochemistry, and plant transformation techniques in the development of novel transformation technologies and their application to agronomically important monocots. Training in plant tissue culture and experience in plant transformation are required. Experience in monocot cell culture is desirable. Dept: WS2

**Molecular Plant Pathologist**

We are seeking an individual with a BS/MS in the biological sciences for an exciting program in molecular plant pathology that has recently been initiated in our Plant Biotechnology section. Genetic, molecular and cytological techniques will be applied to a fungal phytopathogen to elucidate the specific developmental processes involved in the infection by that pathogen of a plant host. Training and experience in microbial (preferably fungal) genetics, molecular biology, and biochemistry are desirable. Dept: EF1

In addition to our unique interdisciplinary environment and history of new product innovations, American Cyanamid Company offers a competitive salary and excellent benefits, including a 401K Savings Plan. We invite you to forward your resume and salary history to: Employment Office, American Cyanamid Company, Agricultural Research Division, P.O. Box 400, Princeton, NJ 08543-0400. Please be sure to indicate the appropriate department code. An Equal Opportunity Employer M/F/H/V.

**BIOTECHNOLOGY DIVISION CHIEF.** Responsibilities for planning, organizing, and managing research and development programs for biotechnology derived materials and processes. Provides leadership to a multidisciplinary research team and to interaction with academia, industry, and other government agencies. Ph.D. in biological/physical sciences and experience in research and administration of a scientific team required. Salary range is $61,643 to $71,916 depending upon qualifications and experience. For consideration send curriculum vitae and references to: U.S. Army Natick Research, Development and Engineering Center, Attn.: STRNC-YMT (Dr. David L. Kaplan), Natick, MA 01760-5020. U.S. citizenship is required. Equal Opportunity Employer.

**WILDLIFE BIOLOGY/MANAGEMENT.** Two 1-year temporary positions (one full time and one 0.7 time base) in the Department of Wildlife. Must have expertise in wildlife biology/management adequate to teach specific upper-division courses. Teaching duties may include principles of wildlife management, wildlife techniques, ornithology, case studies in wildlife management, upland habitats, wildlife ecology and management, and case studies in environmental ethics. Expertise must be consistent with teaching assignments as demonstrated by research experience. Send curriculum vitae and three letters of recommendation to: Dr. Richard J. Ridlenhour, Dean, College of Natural Resources, Humboldt State University, Arcata, CA 95521. Telephone: 707-826-3561. Applications must be postmarked by 15 June 1991.

**FACULTY POSITIONS**

**CLINICAL PHARMACOLOGY**

The Division of Clinical Pharmacology at Jefferson Medical College is seeking applicants for two faculty positions at the ASSISTANT/ASSOCIATE PROFESSOR (M.D.) and the ASSISTANT PROFESSOR (M.D. or Ph.D.) levels. Candidates with research interests in cardiovascular pharmacology, molecular biology, or drug metabolism preferred. Research interests of divisional faculty include nonclinical and clinical pharmacological research. Nonclinical research is in the areas of vascular biology, fibrinolysis, atherosclerosis, second messengers, and receptor biology. Divisional facilities include well-equipped laboratories and an eight-bed clinical research unit.

Submit curriculum vitae, summary statement of research interests, and names of three references to: Dr. Thorie D. Bjornsson, Division of Clinical Pharmacology, Department of Medicine, 1100 Walnut Street, Thomas Jefferson University, Philadelphia, PA 19107-5563.

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**FACULTY**

**MOLECULAR GENETICS/BIOLOGY**

The Department of Biology at New Mexico Institute of Mining and Technology invites applications for a tenure-track position available at the ASSISTANT PROFESSOR level.

The primary teaching responsibilities of the successful applicant will be upper division courses in genetics, cell and molecular biology, and a lower division botany course. The applicant will be expected to develop, teach, and maintain an active research program in molecular genetics or any other area of biology provided that most of the applicant's research is in molecular biology. The successful applicant will have a Ph.D. in molecular biology, genetics, or related field of biology. Preference will be given to applicants with a background in plant biology and one or more years of postdoctoral training. The candidate must have a demonstrated commitment to research as evidenced by recent publications. Two semesters of college-level teaching experience are preferred. Position is available beginning 1 January 1992. Salary will be commensurate with experience.

Send curriculum vitae, college transcripts, a one-page statement of research and teaching interests, and four letters of reference by 1 August 1991 to: New Mexico Institute of Mining and Technology, Human Resources, Wells Hall Box C-120, Socorro, NM 87801. Affirmative Action/Equal Opportunity Employer.

Don't forget to look at other careers opportunities in the special "Careers Section" in the center of this issue of Science.

SCIENCE, VOL. 252
Make A Difference In The Quality of Life

The Hyland Division of Baxter Healthcare, a leader in the area of human plasma-derived protein therapeutics, is undertaking the development of its next generation of therapeutics with the aid of state-of-the-art biotechnology. We seek an energetic individual who can contribute effectively in a multi-disciplinary R&D environment in the following areas:

SUPERVISOR, PROTEIN PURIFICATION
(Dept. LD/SPP)
We seek an individual to lead/coordinate new product/new purification technology research projects, including timeline, staffing, training and budget. A PhD in biochemistry is required, plus at least 3 years multiple project management experience. A strong background in protein purification, including knowledge of technology, characterization and function of proteins is essential. In addition, applicants must have experience in both research phase and development scale of purification process, and be familiar with regulatory aspects of process development. Knowledge of cell culture and recombinant technology essential.

CELL CULTURE PROCESS DEVELOPMENT
(Dept. BF/CC)
The selected candidate will be responsible for maintaining mammalian cell cultures and adapting them to serum-reduced and/or defined media; selecting and optimizing process conditions for maximizing product; and the operation of small and large bioreactors for cell culture supernatant production, as needed. You will analyze experimental data and prepare reports. You will also assist other personnel in the scale-up of the cell culture process. A BS in biology or biochemical engineering is required; an MS degree in mammalian cell biology or biochemical engineering is preferred.

3-5 years of work experience in a cell culture or fermentation laboratory or pilot plant is essential.

Baxter Healthcare Corporation, a Fortune 500 company, is synonymous with products, systems and services devoted to improving health care throughout the world. We provide a smoke-free environment, competitive compensation and benefits. Please send your resume in confidence (indicating on the outer envelope the Dept. Code for your position of interest) to: Hyland Division, Human Resources Dept., 4501 W. Colorado Blvd., Los Angeles, CA 90039. An Affirmative Action/Equal Opportunity Employer.

Hyland Division

Baxter Healthcare Corporation
UCLA Department of Physiology
Faculty Position

Regulatory and Integrative Physiology

We wish to appoint someone studying how cellular or molecular processes are governed by functional needs, such as those of the whole animal. We are not particularly concerned with what particular system the candidate studies. Instead, we seek someone with broad interests and perspective, demonstrated capacity to connect different levels of organization, and the ability to interact with physiologists studying various systems and organizational levels. The candidate may be either (1) a cell/molecular biologist accustomed to relating findings to higher level constraints, or (2) an organ, system or whole-animal biologist accustomed to relating findings to cell/molecular mechanisms. In addition, the appointee will be expected to participate actively in the teaching mission of the department.

The search is without regard to level of appointment: established senior as well as junior candidates will be considered. Candidates should send a curriculum vitae, statement of interests, and 2-3 representative published papers, and the names of three referees, to:

Regulatory Search Committee
Department of Physiology
UCLA School of Medicine
Los Angeles, CA 90024-1751

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Career Opportunities In Agricultural Biotechnology
Ph.D. & M.S. Levels

DEKALB Plant Genetics, a leading agricultural seed company, is expanding its plant biotechnology research program in Groton, CT. We seek scientists eager to join our multidisciplinary team engaged in the genetic improvement of maize.

**Agronomic Traits** (Ph.D.) You will be responsible for our research program to identify genes for traits of agronomic importance; initial emphasis will concern resistance to insects, such as corn rootworm and European corn borer.

You will interface with genetic transformation and gene expression teams, as well as plant breeders.

An innovative scientist with experience in one or more of the following areas is desired: plant pathology, entomology, biochemistry and molecular biology.

**Gene Mapping** (M.S.) You will manage our laboratory research effort in RFLP gene mapping technology. Technical expertise in molecular biology, experience in data handling and analysis, and an aptitude for personnel management are required.

Besides a stimulating scientific environment, we offer excellent salary, benefits, and relocation assistance to an attractive southeastern Connecticut shore community. Qualified applicants should submit their resumes to:

Ms. Marie Weston
DEKALB Plant Genetics
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BERLIN

DAHLEM KONFERENZEN

We are seeking a successor to the founding Director of the Dahlem Konferenzen, Dr. Silke Bernhard, who has had to resign because of ill health.

The Dahlem Konferenzen, founded in 1974, organize workshops to promote interdisciplinary cooperation between leading scientists from all parts of the world. The workshops, held four times a year in Berlin, focus chiefly on the environmental and biomedical sciences. They provide a limited number of participants with the opportunity for intensive discussion in areas at the forefront of contemporary research. The Dahlem Konferenzen are founded by the Land Berlin, the Stifterverband für die Deutsche Wissenschaft and the Deutsche Forschungsge- meinschaft. Since January 1990 they have been a part of the Freie Universität Berlin.

The Director must be a highly qualified scientist with a Ph.D. or M.D. in natural or biomedical sciences and considerable postdoctoral research experience. He/she must be a proven organizer with the ability to lead and cooperate with a dedicated team. Fluent English and German are essential and experience with organizing scientific meetings and in editing scientific publications would be an advantage.

The salary will be determined according to qualifications under the provisions of the German public service ordinances. Applications, including a CV and publication list, should be sent within four weeks to the Senator für Wissenschaft und Forschung, the chairperson of the Kuratorium of the Freie Universität Berlin, 1 E, Bredt-Schneiderstr. 5, W-1000 Berlin 19, quoting reference number 32/91.
CHAIR
DEPARTMENT OF ANATOMY AND CELL BIOLOGY
The MEDICAL UNIVERSITY OF SOUTH CAROLINA in CHARLESTON has initiated a search for a Chairperson to lead its strong and well-funded Department of Anatomy and Cell Biology. The Department enjoys vigorous research programs in neurobiology, neuroendocrinology, and membrane and developmental biology. It is committed to a broad spectrum of educational responsibilities including undergraduate teaching, predoctoral and postdoctoral training programs, and has distinguished itself with numerous teaching and student research awards. Attractive and extensive laboratory space, intramural and extramural financial support, and new positions are available in an academic environment that provides outstanding opportunities for research initiatives in both the Department and in Interdisciplinary Centers (e.g., the Hollings Oncology Center, the Gazes Cardiac Center, etc.). In addition to the modern facilities within the Department, an expanding campus-wide Institutional Research Resource provides an array of analytical capabilities including quantitative image analysis, electron microscopy, DNA and peptide sequencing and synthesis, NMR, mass spectrometry, and other instrumentation for the conduct of research in molecular and structural biology.

Applications and nominations should include a curriculum vitae, summary of current research activities, a description of teaching and administrative experience, and the names, addresses and telephone numbers of three or more references. Applications will be reviewed until a satisfactory candidate has been chosen. Send replies to: Harry S. Margolius, M.D., Ph.D., Chairman, Anatomy/Cell Biology Search Committee, Room 612 Clinical Sciences Building, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425.

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DIRECTOR, INTERMEDIATE MANUFACTURING
Centocor, Inc. is a worldwide biopharmaceutical company specializing in monoclonal antibody medicine. Due to our rapid growth and expansion in St. Louis, we have an opening in our intermediate manufacturing department.

This position will involve directing a focused staff of scientists in transferring pharmaceutical production and purification processes from development groups to full scale manufacturing. The successful candidate will be a Biochemist with a Ph.D. and minimum 8 years process development experience in biotechnology/pharmaceuticals, specifically with large scale isolation and purification of monoclonal antibodies or other proteins for biopharmaceutical applications. A thorough understanding of Good Manufacturing Practices is also required. Experience within the pharmaceutical manufacturing industry in down stream processing of mammalian cell produced therapeutic proteins is strongly desired.

Centocor offers an outstanding compensation and benefits package, plus excellent opportunities for advancement. For immediate consideration, please send your resume to:

Betty Wendland
Human Resources Manager
CENTOCOR, INC.
4649 LeBourget Dr.
St. Louis, MO 63134

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SENIOR SCIENTIST
ANALYTICAL CHEMISTRY
Sandoz Pharmaceuticals Corporation is a leader in the research, development, manufacture, and sale of ethical and over-the-counter pharmaceuticals.

We currently have a position for a Senior Scientist to work with a team involved in the development and application of classical chromatographic techniques (HPLC, GC), coupled with mass detectors, to quantitate drugs and their metabolites in clinical and preclinical specimens.

The selected candidate will supervise and train scientific and technical staff in the operation and maintenance of GC/MS and LC/MS/MS instruments and perform bioanalytical method development, validation and application for IND, NDA and Phase IV projects. In addition, this individual will interpret pharmacokinetic data, generate bioavailability reports for regulatory submission and participate in the design of Drug Metabolism drug development programs.

A Ph.D. in the physical sciences, Chemistry or Biochemistry and 5+ years of experience in quantitative analytical techniques utilizing wet chemistry, LC/MS/MS, GC/MS required. Strong supervisory, verbal and written skills are essential; a background in pharmacokinetics and statistics as well as computer proficiency in data handling for tabular and graphical representations are assets.

Positions at Sandoz offer personal satisfaction, professional opportunity/challenge, competitive salaries and an excellent benefits package. Our campus-like facilities are conveniently located in northern New Jersey. For prompt, confidential consideration, please respond to position #1662 by forwarding your resume and salary requirements, in confidence, to:

Robert N. Saunders, Ph.D.
Director, Human Resources 403/1
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Sandoz
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RESEARCH COMPUTING

The ICI Pharmaceuticals Group, ranked among the top pharmaceutical research organizations in the world in terms of sales and R&D investment, is looking for a computing applications specialist to join our R&D Information Systems Department. This individual will be a key member of a team dedicated to finding new ways of supporting a dynamic, international research environment with the systems it needs to effectively compete in the 1990s and beyond.

Within R&D, ICI is rapidly moving from a traditional terminal-based computing environment to an enhanced information environment based on modern workstation platforms. The selected individual will work closely with research scientists to identify, analyze and develop proposals for information systems targeted at facilitating the scientific computing and information needs of research. Emphasis will be placed on participatory prototype development of strategic applications for research within a graphical end-user computing environment.

Position requires a degree in the life sciences (chemistry preferred) or an advanced degree in computer science. Technical expertise in the use of Molecular Design Ltd. software products, MACCS-II, REACCS and/or proven competence in the development of scientific information systems supporting research also required. A research background or familiarity with the drug discovery process is highly desirable.

We offer an excellent salary and flexible benefits program designed to meet the needs of a diverse workforce. Relocation assistance to our corporate headquarters in Wilmington, DE will be provided.

To take advantage of an opportunity to build a career in a dynamic environment, please send c.v. to: Rose R. Buono, Human Resources, ICI Pharmaceuticals Group, Concord Pike and New Murphy Road, Wilmington, DE 19897.

Pharmaceuticals
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Opportunities with Monsanto Company

Bioprocess Technology

Today's Monsanto is a company with an exciting future in high-value, high-performance products. We have the following opportunities available in our Bioprocess Technology Department of Monsanto Corporate Research Laboratories:

Senior Protein Biochemist

We are seeking a bright, innovative Protein Biochemist who will function as a senior investigator conducting protein purification and biochemical evaluations such as mechanistic studies of inhibition and the nature of protein-protein interactions. Protein recovery will be from recombinant and non-recombinant sources. In many situations, you will benefit from access to hitherto unavailable proteins and enzymes produced by our strong Molecular Biology Groups.

You will also have access to our excellent support staff, instrumentation and facilities. There exist ample opportunities to establish strong scientific credentials through publication and development of novel human therapeutic or agricultural products. You will also be expected to establish new research directions and have excellent interpersonal skills to interface with varied disciplines. You must have a PhD in the area of protein biochemistry and two to four years of postdoctoral or industrial experience.

Microbial Physiologist/Biochemist

This is an opportunity for an experienced scientist to define and develop fermentation and biotransformation processes to make bioactive chemicals and proteins. You will effectively use state-of-the-art facilities, any direct subordinates, supporting operations and analytical staff to move projects from concept through laboratory and pilot plant.

Qualifications include three or more years' relevant post-doctoral experience in industrial R&D, supervision of professionals, leadership skills to advance the application of biosynthesis technology to make products of value to Monsanto and you must be a team player.

Please send your resume with references to Monsanto Company, Mail Zone BB5B, Attn: John Bussen, 700 Chesterfield Village Parkway, St. Louis, MO 63198. We're an equal opportunity employer. M/F/H/V.

Opportunity.
We've got it down to a science.

Monsanto
Head, Division of Experimental Pathology  
Department of Pathology  
Memorial Sloan-Kettering Cancer Center

Memorial Sloan-Kettering Cancer Center is seeking an individual to head the newly established Division of Experimental Pathology, reporting to the Chairman of the Department of Pathology. He/she will be responsible for the overall development of various laboratory programs dealing with the biology of human tumors, as well as programs to facilitate and maximize the transfer of biological findings into diagnostic, prognostic and therapeutic applications. This Division will have close interaction with anatomic pathology and will relate to other clinical and basic science departments in the Center.

The candidate for this position should possess an M.D. and/or a Ph.D., be an internationally recognized figure in research, and have proven ability as an academic leader. Background in the anatomic pathology of human cancer is desirable.

Interested applicants should send their curriculum vitae and bibliography and a brief description of research goals to:

Joseph R. Bertino, M.D.  
Chairman, Search Committee  
Memorial Sloan-Kettering Cancer Center  
1275 York Avenue  
New York, New York 10021

An Equal Opportunity/Affirmative Action Employer
RESEARCH SCIENTISTS
Cystic Fibrosis

Our Cystic Fibrosis program aims to use either protein replacement or gene replacement therapy to develop new therapeutic products to treat this inherited disease. At present, both approaches are being actively pursued and Genzyme researchers have already made major contributions to Cystic Fibrosis research in this area. (Nature 347 358-363 1990, Nature 347 382-386 1990, Cell 62 827-834, Science 251 679-682 1991)

Genzyme rewards success with an excellent compensation and benefits package, including 3 weeks paid vacation, a 401(k) plan with a company match, extensive insurance benefits and state-of-the-art facilities.

Please forward your resume to: Jill Smith, Dept. 5524, Genzyme Corporation, One Mountain Road, Framingham, MA 01701. An equal opportunity employer.

We are seeking three Ph.D. level scientists with 2-5 yrs' post doctoral experience and a proven track record of successful research for the following areas:

Protein Biochemistry

Responsible for membrane protein purification and characterization targeted to CFTR delivery to airways in animal models using liposome formulations. Experience in purification of membrane proteins and in the reconstitution of membrane transporters or channels into lipid bilayers and subsequent fusion into target cell membranes necessary.

Cell Physiology

This position focuses on small animal pulmonary physiology and pharmacology to develop small animal models to deliver the CFTR protein and CFTR DNA to airway tissue using liposome or virosose aerosols. Experience with pulmonary cell biology and physiology is necessary; airway drug delivery, pharmacokinetics, and liposome surfactants and/or respiratory viruses experience is desirable.

Molecular Biology

Perform molecular biology of expression viral vectors suitable for gene replacement therapy in the lung. Experience in recombinant DNA techniques and in creative gene cloning/expression is necessary; background in virology is advantageous.
BS/MS RESEARCH ASSOCIATES

The Upjohn Company, a recognized leader in the research, manufacturing and marketing of pharmaceutical, chemical and agricultural products, has several positions available for qualified BS/MS candidates with degrees in the biological sciences and relevant research and industrial experiences.

BIOLOGY ASSOCIATE

The Upjohn Laboratories Division has a research associate position available for a biologist/cell biologist/biochemist in the Dermatology Research Group. This challenging position involves developing combinations of tissue culture and biochemical methodologies to study pharmacological mechanisms in skin and hair. The successful candidate will be experienced and have a strong technical background in quantitative in vitro research. Position Code: 910242-030.

FERMENTATION MICROBIOLOGIST

The Fermentation Products Production Group is seeking an experienced microbiologist to work closely with staff from our Fermentation Plant and Bioprocess Research and Development Groups. The selected candidate will be responsible for the preparation and maintenance of cultures required for large-scale fermentations. This position will monitor key parameters and use judgment to implement changes during the fermentation process. Background in industrial microbiology, fermentation and statistics is necessary. Position Code: 910188-031.

Upjohn offers a very competitive compensation and benefits program including relocation assistance. The Kalamazoo area has a population of 225,000 and provides an excellent mix of cultural and recreational pursuits. Qualified candidates are invited to send their resumes to: The Upjohn Company, Corp. Recruiting/Research Associates, 7000 Portage Road, Kalamazoo, MI 49001. We are unable to consider Ph.D.'s for these positions. Please refer to one of the above Position Codes in your cover letter. An Equal Opportunity Employer M/F.

Our Commitment to Scientific Excellence Continues...

In 130 Countries, Abbott Research Makes A Difference.

At Abbott Laboratories, we're dedicated to improving human life through the development of advanced health care products. Now, your expertise can help support our vital research efforts.

Experience The Abbott Edge.

PHARMACOLOGY RESEARCH ASSOCIATES

The first position will perform a full range of central nervous system (CNS) pharmacology experiments, operate equipment for monitoring EEG, evoked potential and animal behavior, and perform classic in vitro pharmacology experiments. We will use a PC for candidate and data acquisition, entry and analysis. The selected candidate will also record experimental procedures and results in laboratory notebooks. We require a B.S. with at least 5 years experience or an M.S. with at least 2 years experience in CNS pharmacology research. Reply to Job # 7613A.

The second position involves studies on the effects of novel agents in animal models of inflammation. Relevant in vivo experience with small animals is necessary with a biochemical background and experience with data analysis helpful. We require a B.S. and at least 2-4 years related experience or an M.S. in Biology, Pharmacology or a related field. Reply to Job # 7613B.

PHARMACOKINETICIST

Primary responsibilities include design, analysis and reporting of animal and clinical pharmacokinetic studies. Qualifications include a Ph.D. in Pharmacokinetics, Biopharmaceutics or related disciplines, with 2-6 years experience. The position requires a command of kinetics, drug metabolism, physiology, statistics and computing techniques. Written and oral communication skills are essential. Reply to Job # 7612.

METABOLISM INVESTIGATOR

Responsibilities involve the design and implementation of studies investigating the absorption, distribution, metabolism and excretion of radiolabeled drugs in laboratory animals and humans. The individual we seek will have a Ph.D. or equivalent experience in Biochemistry, Pharmacology, Medicinal Chemistry or Toxicology with a minimum of 1-3 years experience. Experience in TLC, HPLC and GLC methods and derivatization techniques is essential. A background in in vitro drug disposition studies is desired. Reply to Job # 7612B.

Located 30 miles north of Chicago, Abbott provides an excellent salary and benefits package including profit sharing and a stock retirement plan. For consideration, please send resume to: Patricia Handy, Corporate Placement, Abbott Laboratories, One Abbott Park Rd., Abbott Park, IL 60064. (To facilitate the handling of your resume, please indicate Job # on your cover letter or resume.) Abbott is an Affirmative Action Employer.

ABBOTT LABORATORIES

Quality Health Care Worldwide
1988-1991
POSTDOCTORAL POSITION

Available immediately to study the function of Ca2+ in heart and vascular tissues.

Send curriculum vitae and three letters of reference to: Dr. Jeffrey D. Macklis, Neurology and Neurosurgery, Enders 3, 320 Longwood Avenue, Boston, MA 02115.

POSTDOCTORAL POSITION

UNIVERSITY OF MARYLAND
AT BALTIMORE SCHOOL OF MEDICINE
POSTDOCTORAL POSITION
CARDIAC PHYSIOLOGY

A postdoctoral position is available immediately for research in electrophysiology and excitation-contraction coupling of cardiac muscle.

The research will involve the use of fluoroscintion indicators, including imaging, and flash photolysis of caged ATP to stimulate single, voltage-clamped cardiac cells. Applicants should have a Ph.D. or M.D. and experience in electrophysiology, generalists in ion channels, and cardiovascular physiology. Send curriculum vitae and names of three references to: Dr. Bill Wier or Dr. C. William Balke, Department of Physiology, University of Maryland at Baltimore, 600 N. Green Street, Baltimore, MD 21201.

An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

POSTDOCTORAL POSITION
MOLECULAR ONCOLOGY PROGRAM

A postdoctoral position is available to study the role of cellular and mitochondrial calcium in the control of respiration in rat heart (see J. Biol. Chem. 264, 13430).

Applicants should have a strong background in intermembrane and cristal interactions with cell death and the fluorescence-based techniques for measurement of intracellular calcium will be beneficial. Send curriculum vitae and three letters of reference to: Dr. Russell Scaduto, Department of Cellular and Molecular Physiology, College of Medicine, The Pennsylvania State University, 5 College Avenue, University Park, PA 16802. Equal Opportunity Employer.

POSTDOCTORAL POSITION

STRUCTURAL BIOLOGY/NMR

A postdoctoral position is available for someone interested in applying NMR techniques to problems in structural biology. Present areas of interest include hormone and growth factor structures and receptor interactions; proteins involved in intracellular regulation by tyrosine phosphorylation, and the role of protein flexibility. Please send curriculum vitae and the names of three references to: Dr. William Goodin, Department of Pharmacology, University of Colorado Health Sciences Center, Box 458, Denver, CO 80262-0016. Equal Opportunity Employer.

POSTDOCTORAL POSITION

POSITIONS AVAILABLE

RESEARCH POSITIONS OPEN

The School of Forestry and Natural Resources at the University of Connecticut invites applications for a postdoctoral fellow in tree nutrition. This is a non tenure-track position supported by grant funds and is dependent upon continuation of grant funding. Ph.D. in forestry, plant biology, or plant ecology and a demonstrated research interest in genotype-environment interactions in tree seedlings with particular emphasis on nutrition are required. Applicant must be physically capable and interested in team research and interface with forest industry, faculty, and graduate students. Candidate will be required to design and coordinate research projects, pursue extramural funding, and publish research results. Salary: $24,000 to $28,000. Closing date is 1 August 1991. Submit application, resume, transcripts, and three letters of recommendation to: Ms. Marjorie Gentry, Assistant to the Dean, School of Forestry, Auburn University, Auburn, AL 36849-5418. Auburn University is an Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.
Protein Purification Chemist

The Bristol-Myers Squibb Industrial Division is seeking a Protein Chemist for its newly expanded Biochemistry Department. Responsibilities include assisting in the development of GMP purification processes suitable for pilot scale production of clinical grade therapeutic proteins. You will also support the development of processes for scale-up of purification of cell culture and/or microbial proteins.

Requirements include a BS/MS in Protein Chemistry or Biochemical Engineering, with at least 2 years experience in purification of cell culture and/or recombinant microbial proteins for clinical applications in an industrial environment.

Bristol-Myers Squibb offers competitive salaries, attractive benefits, and opportunities for personal and professional growth. Please forward resume and salary history to: Bristol-Myers Squibb Company, Industrial Division, Associate Director, Fermentation Development Pilot Plants-RFB, P.O. Box 4755, Syracuse, NY 13221-4755. An Equal Opportunity Employer, M/F/H/V.

Bristol-Myers Squibb Company

POSTDOCTORAL POSITIONS

NEUROBIOLOGY

Albert Einstein College of Medicine

Postdoctoral positions available in Neurobiology of Development and/or Degenerative Disease. Well established and well funded group is seeking candidates with training in Biochemistry and/or Molecular Biology. Please send CV and names of two individuals who can be contacted for references. Appointments are immediately available, but can be taken up anytime over the next twelve months. For informal contact, call Dr. Peter Davies at (212) 430-9083 or Dr. Bridget Shaflit-Zagardo at (212) 430-2189. Send materials to: Dr. Peter Davies, AECOM, Jack and Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, NY 10461. Equal Opportunity Employer.

ALBERT EINSTEIN COLLEGE OF MEDICINE

Toward the advancement of medicine ... and your career

1992 COMPETITION

MERCK-AFCR FOUNDATION
MD-PhD POSTDOCTORAL FELLOWSHIPS

FIVE FELLOWSHIPS AVAILABLE

Merck Sharp & Dohme Research Laboratories, through its Academic Development Program, and the American Federation for Clinical Research Foundation announce the 1992 competition for the Merck-AFCR Foundation MD-PhD Postdoctoral Fellowships to support the further training of MD-PhD scientists.

FELLOWSHIP TERMS

* Candidates must have completed an MD-PhD educational program and be accepted into a postdoctoral training program.
* Candidates must provide evidence of 2 years of clinical training or have completed residency training at the time the award begins (July 1, 1992).
* Fellowships are intended for independent research in the biomedical sciences, including the fields of: biological chemistry; cellular, molecular and structural biology; epidemiology; genetics; medical informatics; microbiology; immunology; pharmacology; physiology; pathology.
* Candidates must be citizens of the U.S. or Canada or permanent residents of the United States.
* Fellows must devote 80% of his/her time to research. Each Fellow will spend up to three days in the Merck Research Laboratories during his/her tenure as award recipient and present research results. Travel support will be provided for the Fellow's mentor. The Fellow must maintain membership in the American Federation for Clinical Research and must submit an abstract to and attend a Regional or National AFCR meeting each year.
* First-year support consists of a $40,000 stipend and a $3,000 allowance for travel, journal subscriptions and society memberships. In addition, the recipient's university will receive a $7,000 grant for supplies related to the funded research. Indirect costs will not be allowed.
* Fellowships may be renewable on an annual basis for an additional two years, pending approval of annual progress reports.

FELLOWSHIP APPLICATION TERMS

All applications must be submitted on the official Merck-AFCR Foundation MD-PhD Postdoctoral Fellowship application form. Each application must include:

* A curriculum vitae
* One page abstract of the proposed research
* A proposal of 8 to 10 pages, including background and references
* A statement of the applicant's career goals
* Two letters of recommendation
* Two reprints of published papers representative of the applicant's research
* A letter from the applicant's mentor describing how the proposed research will contribute to the applicant's development as a creative scientist.

IMPORTANT DATES


FOR APPLICATIONS AND INQUIRIES:

Merck-AFCR Foundation Fellowship Program

AFCR Headquarters
6000 Grove Road
Therofare, NJ 08086
Phone: 609-853-9129, Ext. 293
Fax: 609-853-5991
ASSISTANT PROFESSOR
Brookdale Center for Molecular Biology and Molecular Medicine Division, Department of Medicine
Mount Sinai School of Medicine

Candidates are invited to apply for positions at the level of Assistant Professor. We are seeking individuals with a record of excellence in research who will apply skills in molecular biology to address problems relevant to molecular medicine. Candidates may have either M.D. or Ph.D. degrees. An essential requirement is an innovative research program complementing existing programs within the Brookdale Center and Molecular Medicine Division. Research areas of particular interest include: molecular and genetic basis of disease; molecular nephrology, developmental molecular biology; structure, function and regulation of receptors and channels; hormone, oncogene and growth factor actions; and vascular biology.

Candidates should submit a curriculum vitae and a statement of research interests, goals and plans. Letters from three references should be submitted. Send all materials to: Dr. Andrew R. Marks, Brookdale Center for Molecular Biology, Molecular Medicine Division, Mount Sinai School of Medicine, Box 1126, One Gustave L. Levy Place, New York, NY 10029-6574. Phone: (212) 241-0309. Fax: (212) 860-9279.

Mount Sinai is an Equal Opportunity/Affirmative Action Employer.

Bio-Méga Inc., located in suburb Montreal, a wholly owned subsidiary of the Boehringer Ingelheim group, is one of the most important pharmaceutical research laboratories in Canada.

We seek highly motivated professionals at the level of Ph.D. to join an interdisciplinary research team currently developing drugs for the treatment of hypertension and viral diseases.

The candidates should possess extensive experience in one or more of the following fields: biochemistry (especially in cellular or molecular biology) pharmacology or related scientific disciplines. They should have proven scientific and leadership qualities necessary to initiate and manage research projects in our departments of pharmacology or biochemistry.

Entry levels for these positions depend on qualifications. The chosen candidates will have the opportunity to work with state-of-the-art technology in an exciting and expanding research environment.

Please submit your resume to:
Director, Human Resources
Bio-Méga, Inc.,
2100 Cunard St. Laval (Québec)H7S 2G5
Tel: (514)682-4640 FAX (514) 682-8434

PHYSICIST, ZP-1310-II—The Quantum Metrology Division, Physics Laboratory, National Institute of Standards and Technology, Department of Commerce is seeking an experienced Physicist in the area of synchrotron radiation research in the x-ray region. The Division maintains and operates a high performance beamline at the National Synchrotron Light Source (Brookhaven). Duties of this position include: operation, technical improvement and provision of outside user services at the Division’s Beamline Facility in Brookhaven. The incumbent will be required to undertake frequent travel to this site for periods of 1-2 weeks at a time and must qualify for a government motor vehicle operator's permit. The incumbent will participate in the established program of research and contribute to its evolutionary development. The incumbent is required to have knowledge of synchrotron radiation resources to resolve current problems in condensed matter physics (you must address your qualifications as a supplemental statement as it relates to this factor on a separate piece of paper and submit with your application for employment). Ph.D. in Physics preferred.

The position’s starting salary is in the range of $31,116-$35,210 depending on qualifications and experience of the candidate. In order to apply to vacancy #NIST/SH-91-0590/KY, please send an Application for Federal Employment SF-171 including supplemental statement and transcripts or OPM Form 1170/17 and an official copy of your total driving record to:

Ms. Kathy M. Yarmas
Building 101, Room A-123
National Institute of Standards and Technology
Gaithersburg, MD 20899

The National Institute of Standards and Technology is an Equal Opportunity/Affirmative Action Employer in Gaithersburg, MD. U.S. Citizenship is required.
The Texas Tech University Health Sciences Center School of Medicine invites applications for the position of Chair of the Department of Physiology. Applicants should have a distinguished record in research, a commitment to training graduate students, medical students and postdoctoral fellows, and a desire to exercise strong and innovative leadership in building the Department to a level of national prominence. Preference will be given to candidates who have a record of consistent research productivity and support through extramural sources, and have served on grant review boards at the national level. Interested applicants should send their curriculum vitae, the names and addresses of three references, and a brief statement indicating their interest in the position to:

Sandra Sabatini, PhD, MD
Chair, Physiology Search Committee
Texas Tech University Health Sciences Center
Division of Nephrology
Lubbock, Texas 79430

The search committee will begin initial folder review in June and will continue the search process until a chair is selected. Texas Tech University Health Sciences Center School of Medicine is an Affirmative Action Institution.

PROTEIN X-RAY CRYSTALLOGRAPHER

National Institute of Allergy and Infectious Diseases
National Institutes of Health

A protein crystallography laboratory is being established with intramural AIDS funding to conduct an original research program and to interact with other scientists within the NIH intramural program. Applicants for director of the crystallography lab are being sought. Ph.D. or M.D. applicants should have a record of achievement in solving protein structures by X-ray crystallography. Salary and research resources will be commensurate with credentials and research experience. Applicants should send curriculum vitae and names and addresses of at least three references to:

John E. Coligan, Ph.D.
Chairman, Search Committee
BRB, NIAID, NIH
Building 4, Room 413
9000 Rockville Pike
Bethesda, MD 20892
Telephone: 301-496-8247
Facsimile: 301-402-0284

NIH is an Equal Opportunity Employer.

TKT

TRANSKARYOTIC THERAPIES INC., 195 ALBANY ST. CAMBRIDGE, MA 02139

SCIENTISTS

Researchers at TKT are pioneering new techniques in molecular and cellular biology in order to develop safe and effective treatments for disease. To accomplish our goals, we need highly motivated individuals who can interact and collaborate in a multidisciplinary environment as we meet the demands of a highly competitive field.

■ HUMAN GENETICS & GENOME MAPPING

Members of this expanding research group are engaged in developing novel methods for the mapping and cloning of disease genes.

Five plus years' post-doctoral experience in human genetics and solid supervisory skills are necessary to direct the activities of this research team. Background in the establishment of pedigrees and RFLP mapping through pedigree analysis, plus in-depth knowledge of computer methods for linkage analysis are essential. In addition, we require individuals having extensive experience with yeast cloning systems, restriction enzyme and Southern blot analysis using pulsed-field gel electrophoresis, and cosmid mapping and ordering strategies.

■ MOLECULAR BIOLOGY

Our Molecular Biology Group is developing novel expression vectors for use in mammalian cells. This position requires extensive background in the areas of plasmid construction, in vitro mutagenesis, PCR and Southern blot analysis.

Additional qualifications include 3 years’ post-doctoral experience in molecular biology. A proven research record involving the analysis of gene expression in mammalian cells using Northern blot analysis, S1 and primer extension mapping, nuclear run-off transcription and Western blotting is essential.

TKT offers competitive salaries and equity participation along with a comprehensive employee benefits package. Interested candidates should forward their resume to:

Director of Human Resources.

The University of Queensland

Equal Opportunity in Employment is University Policy

Research Fellow/Senior Research Fellow Lipoprotein Scientist (Ref No. 17991)

Department of Medicine
The University of Queensland
Royal Brisbane Hospital, Australia, 4029

A major joint project is planned to investigate a novel process based on plasma delipidation for the treatment of atherosclerosis. Accordingly, there will be two positions available for scientists with a minimum of a PhD and research experience in lipoprotein metabolism. The positions will be available immediately and the duration is until 31 December 1993. Salaries range from Aus$33,163–43,096 for Research Fellows and from Aus$43,984–51,015 per annum for Senior Research Fellows.

Applicants who are available for employment on short notice are encouraged to apply immediately by facsimile to Dr Bill Cham, Department of Medicine, The University of Queensland, Clinical Sciences Building, Royal Brisbane Hospital, Australia 4019. Fax: (+61-7) 365-5462. Telephone: (+61-7) 365-5155.
Postdoctoral Fellowships

Genentech, a leader in the biotechnology industry, currently has the following exceptional opportunities:

**Cell Biology/ Electron Microscopy**

This unique postdoctoral research position offers you the chance to be involved in the EM Group with Dr. Gilbert Keller in the design and implementation of strategies to study intracellular trafficking of proteins in a state-of-the-art facility. In determining sites and mechanisms of action of recombinant therapeutics, the laboratory staff interacts closely with molecular and cell biology groups within the company to study the internalization and transport of recombinant proteins and small peptides to different subcellular compartments within target cells. A PhD and experience in EM, cell biology and/or molecular biology is desirable. Dept. YSGK.

**Molecular Pathology**

An exceptional opportunity exists for a Postdoctoral Researcher in our Pathology group within the Safety Evaluation department. The focus of your project will be to investigate and characterize specific pathogenic mechanisms manifest in transgenic mice to determine their relevance to human disease. Working closely with the transgenic group at Genentech, you will apply techniques both from pathology and molecular biology. A DVM with advanced training in veterinary pathology is required. A PhD with completion of pathology residency is preferred. Dept. YSGK.

Our progressive company offers an extensive benefits package which includes fully paid dental/medical/vision coverage for you and your dependents, child care facilities, free health club membership and an employee stock purchase plan. For immediate consideration, please send your resume, indicating dept. of interest, to Yvonne Davino, Genentech, Inc., Human Resources, 460 Point San Bruno Blvd., South San Francisco, CA 94080. We promote and actively support affirmative action and equal employment opportunity. Women and minorities are encouraged to apply.

Genentech, Inc.

**MOLECULAR BIOLOGIST**

INTERESTED IN GENE EXPRESSION IN MAMMALIAN CELLS

The Surgery Branch of the National Cancer Institute has an immediate opening for a Senior Investigator to join its studies of the gene therapy of human cancer. This position involves a responsibility for studies of the introduction of genes into human lymphocytes and tumor cells using retroviral mediated gene transduction. The position involves responsibility for conducting independent research programs in this area and the supervision of junior scientists. Prior postdoctoral experience in molecular biology is required. Interested candidates should send a Curriculum Vitae and two letters of reference. For further information and application procedures, please contact:

Steven A. Rosenberg, M.D., Ph.D.
Chief, Surgery Branch
National Cancer Institute
National Institutes of Health
Public Health Service
Building 10, Room 2B42
9000 Rockville Pike
Bethesda, Maryland 20892
(301) 496-4164

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Make the move to ESE

As one of the leading environmental and engineering consulting firms in the industry, Environmental Science & Engineering, Inc. has provided comprehensive services for a wide range of clients since 1965 and is still growing strongly. Our multi-disciplinary firm includes over 1,200 employees in more than 30 cities across the United States.

Make the move to ESE where you'll discover an environment for growth with limitless project responsibilities, opportunities to network with a variety of professionals, as well as a competitive salary and benefits package.

The following professional opportunities are now available throughout the country.

- **Biologists**
- **Toxicologists**
- **Ecologists**
- **Analytical/Environmental Chemists**
- **Engineers/Geologists**
- **Air Quality Professionals**

Those interested in joining a growing team should forward a resume and geographic preference to:

**Environmental Science & Engineering, Inc.**
Dept. SC1, P.O. Box 1703, Gainesville, FL 32602
or call Kurt Adler, Recruiter, at 1-800-874-7872.

Environmental Science & Engineering, Inc.

an equal opportunity employer m/f/h/v
**BIOCHEMIST/BIOLOGIST**

The Pharmaceutical Biophysics Unit at Merck Sharp & Dohme Research Laboratories is currently seeking individuals to join a multidisciplinary group involved in the characterization, stabilization, and formulation of protein therapeutics. The successful candidates will play a critical role in the basic research (structure/function) and development of protein pharmaceuticals.

**Protein Chemist** – Applicants with a B.S./M.S. in biochemistry, or related fields with biochemistry research experience, are invited to apply. Knowledge of protein physical biochemistry is desirable but not essential.

**Cell Biologist** – Applicants with a B.S. in biology or biochemistry are being sought to assist in the development of bioassays. Research experience in tissue culture techniques is essential and a working knowledge of microscopy and immunochemical techniques is desirable.

We provide a stimulating research environment with opportunities for collaborative interactions with various research groups. Excellent salary and benefit programs accompany this position at our modern research facilities located 25 miles northwest of Philadelphia.

Please send curriculum vitae with references, transcripts and cover letter to Personnel Manager, Ad# C-16, Research Personnel, WP42-2, Merck Sharp & Dohme Research Laboratories, West Point, PA 19486.

EEO/AA/VH/Employer

Merck & Co., Inc.

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**Leadership Excellence Innovation**

The Solar Energy Research Institute (SERI), located in Golden, Colorado, west of Denver, is the nation's primary federal laboratory for the study of renewable energy technologies and solar energy. Currently, we have the following opportunity in our Biotechnology Research Branch:

**Senior Molecular Biologist**

Supervise cloning and molecular genetics research activities to improve organisms and enzymes for conversion of biomass to fuels, chemicals, and materials. This individual will also design laboratory experiments, oversee their execution and supervise analysis of data and other information. This position will be responsible for maintaining a state-of-the-art cloning laboratory and establishing an interactive role with the research community.

Qualifications for this position include demonstrated knowledge and "hands-on" experience with modern techniques in recombinant technology, including a specialty in the expression of recombinant enzymes from rapidly growing bacteria, such as E. coli and Bacillus sp. Candidates must also have experience in the application of state-of-the-art technology in this field. A Ph.D. in molecular biology, biochemistry, or microbiology plus a strong research publication record is required for this position.

We offer an excellent compensation and benefit program. For immediate consideration, please send resume to: Human Resources Office, E220/08775, Solar Energy Research Institute, 1617 Cole Blvd, Golden, CO 80401.

Women and minorities are encouraged to apply. We are an equal opportunity employer.

SERI
Solar Energy Research Institute

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**AN INVITATION TO SUBMIT NOMINATIONS FOR THE 1992 KING FAISAL INTERNATIONAL PRIZE IN SCIENCE**

The General Secretariat of the King Faisal International Prize has the pleasure in inviting universities and specialist research centers throughout the world to nominate qualified candidates for the King Faisal International Prize in Science in the topic of:

"Biology"

Nominations must meet the following requirements:

1. Nominees must have accomplished an outstanding academic work on the Prize topic, benefiting mankind and enriching human progress.
2. Submitted work must be original and published.
3. Only recognized educational or research institutions may make nominations.
4. Each nomination should include:
   a) an official letter to each nominee.
   b) a typed list of the nominee’s nominated works.
   c) a typed CV of the nominee’s academic background, experience and published works.
   d) ten copies of each submitted work.
   e) a copy of the nominee’s certificates of education.
   f) three recent colored photos 4”x6”.
   g) the nominee’s mailing address including:
      (1) office address, telephone number, telex and fax.
      (2) home address and telephone number.
5. Nominations will be evaluated by a Selection Committee consisting of highly recognized specialists in the topic.
6. More than one person may share the Prize.
7. The nominee’s submitted work will not be accepted if:
   a) any international organization has previously awarded it a prize;
   b) it is a university degree;
   c) it is not published.
8. The nomination will not be accepted if:
   a) the nominee is dead;
   b) it is nominated by individuals or political parties;
   c) it does not meet all the prize conditions;
   d) it is received after the announced date.
9. The Prize consists of:
   a) a certificate in the winner’s name containing an abstract of the work that qualified him/her for the Prize;
   b) a gold medal;
   c) a sum of three hundred and fifty thousand Saudi Riyals (approximately US $93,333).
10. The winner(s) name(s) will be announced in February 1992, and the Prize will be awarded in an official ceremony at a later date.
11. The latest date for receiving the complete nomination requirements will be October 1, 1991.
12. No nomination papers or works will be returned to the senders, whether or not the nominee was awarded the prize.
13. All correspondence must be sent by registered airmail to:
    The General Secretariat
    King Faisal International Prize
    P.O. Box 22476, Riyadh 11495
    Kingdom of Saudi Arabia
    Tel 4652255
    TLX 404667 PRIZE SJ
    Fax 4658685
    Cable JAEZAH
A POSTDOCTORAL POSITION is available October 1991 to study molecular aspects of autonomous U.S. citizen or permanent visa holders. Applicants are expected to have completed PhD in biology, chemistry, or other relevant fields.

**POSITIONS OPEN**

**ECOGEN Inc.**

ECOGEN Inc., an agricultural biotechnology company located in the Philadelphia area and specializing in microbial pest control, has immediate openings for the following positions:

- **Ph.D. RESEARCH SCIENTIST:** Microbial physiology (experience with small-scale fermentation helpful)
- **Ph.D./M.S. RESEARCH ASSOCIATES/RESEARCH ASSOCIATES:** Molecular biology/microbiological genetics, cell biology, and biochemistry, field research

The Technical Staff Associate (M.S. degree) will work on the structure/function of apolipoproteins and the transcriptional regulation of the apolipoprotein genes. Salary: NIH scale. Send curriculum vitae to: V. Zannis, Molecular Genetics, Boston University Medical School, 80 East Concord Street, Boston, MA 02118.

**INSECT PATHOLOGIST**

**U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL RESEARCH SERVICE (ARS)**

The Medical and Veterinary Entomology Research Laboratory, Gainesville, Florida, seeks a RESEARCH ENTOIMOLOGIST to study fungi as pathogens of mosquitoes and to develop integrated management strategies to control them. Successful candidates must have knowledge of the: (i) isolation and characterization of fungi pathogenic for mosquitoes; (ii) growth, reproduction, and dissemination of fungi pathogenic for mosquitoes; and (iii) infective processes in fungi for mosquitoes, alternate hosts, and non-target organisms. Candidates must have skill in the field of use of fungi for mosquitoes and in the development of strategies for the use of pathogens in integrated management systems. Salary commensurate with qualifications and experience. Send applications to: Dr. Donald R. Barnard, 904-574-5930. To apply for this position, contact (after 30 May 1991): U.S. Department of Agriculture, ARS, Demonstration and Examinations Unit at 301-344-3960. The announcement will be open from 30 May 1991 to 21 June 1991. ARS is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

**RESEARCH ASSOCIATE**

A postdoctoral fellowship in experimental pathology/molecular biology of retroviral infections is available. For information, contact Dr. Jefrey T. Barnard, 904-574-5930. The position is open immediately. Project areas include quantitative PCR and combined PCR/in situ hybridization for the detection of retroviral infections. Salary ranges from $35,000 to $44,000 depending on experience and qualifications plus excellent fringe benefits. Duration: 2 years. Send curriculum vitae to: Dr. Allen Burke, Cardiovascular Pathology, AFIP, Washington, DC 20306-6000.

**RESEARCH ASSOCIATE**

For university in central Ohio. Examines the metabolism of two anti-inflammatory drugs (para-aminobenzoic acid and para-aminosalicylic acid) by the mycobacterial hypochlorous acid (HOCI) to develop a method for detecting HOCI release in vivo; performs experiments in reagent systems, enzyme systems, cell systems, animal models, and humans. For information, contact Dr. Jeffrey T. Barnard, 904-574-5930.

**RESEARCH ASSOCIATE**

Ph.D. in biochemistry or cell biology with three or more years of experience. Background in immunology, cellular biology, and cell sorting preferred. Salary commensurate with experience and training. Send resume with letters of recommendation to: Dr. W. F. Nehr, 4351 North Pines Road, La Jolla, CA 92037. Equal Opportunity/Affirmative Action Employer.
Ethicon, a leading member of the Johnson & Johnson Family of Companies, has long recognized that research and development represents both the foundation and the future of our company. The efforts of our scientists have helped make Ethicon the world leader in the manufacture of surgical products for wound closure, while a major commitment to new product development has fostered many new and exciting opportunities.

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Celtrix Laboratories, Inc., a biopharmaceutical research and development company, offers a “start-up” environment combined with an established management track record. This unique combination attracts individuals who are challenged by new opportunity with an organization well recognized in R&D.

Research Scientist
As a Research Scientist in our Process Development group, you will be responsible for scale-up and production of recombinant growth factors. A Master’s or Ph.D. degree in Biology, Chemistry, Bioengineering or a related field with 3+ years of experience is required. Previous experience with process development in cell culture and/or fermentation is also required. Pilot plant GMP experience and a familiarity with culture conditions and optimization are desirable.

Postdoctoral Scientist
As a Postdoctoral Scientist in our metabolic bone disease program, you will work within a multidisciplinary research team that promotes scientific synergy and creativity. Specifically, you will be involved in investigating the role of peptide growth factors as they relate to the regulation of bone formation and resorption. This position requires a Ph.D. in Biochemistry, Physiology, Endocrinology or a related discipline.

Pharmacologist
You will develop new pharmacological assays and interface with a staff of life scientists performing pre-clinical animal studies. Requirements include a Ph.D. in Pharmacology, Pharmacy, or related field with two or more years experience, including the isolation and quantification of cytokines or other proteins from tissue, plasma, and serum samples.

Celtrix employees have an opportunity to make a significant impact in a stimulating environment that fosters autonomy, responsibility and innovation. Celtrix offers an excellent salary and benefits package. For immediate consideration, please send resume to: Celtrix Laboratories, Inc., Human Resources, 2500 Faber Place, Palo Alto, CA 94303. An equal opportunity employer.

MACROPHAGE IMMUNOLOGIST

The Upjohn Laboratories Division of The Upjohn Company has a Research Scientist position available for a Ph.D. immunologist or cell biologist to join an interdisciplinary group focused on arthritis research. The selected scientist will design and establish an independent research program to study the role of macrophages in the immunoregulation of inflammation and arthritis. The research activities will include the discovery and evaluation of novel anti-inflammatory drugs by studying macrophage functions in vitro and in vivo in animal models of autoimmune disease.

Candidates should have a Ph.D. degree and 2-10 years of experience in macrophage immunology, cell biology or inflammation research. Experience with animal models of arthritis is preferred. A highly competitive compensation and benefits program is offered including relocation assistance. Upjohn Laboratories offers a stimulating, multidisciplinary research environment at our facilities in Kalamazoo, a southwestern Michigan city of 225,000, located midway between the Chicago and Detroit metropolitan areas. Our region provides an outstanding mix of cultural and recreational pursuits along with a four season climate. Qualified candidates are invited to send their curriculum vitae to: The Upjohn Company, Corp. Recruiting/Position Code 900485-020, 7000 Portage Road, Kalamazoo, MI 49001 USA. An Equal Opportunity Employer M/F.

Our Commitment to Scientific Excellence Continues...

Vice President Research and Development

Molecular Biosystems, Inc., a San Diego based biomedical products company, is a leader in the development of ultrasound, MRI and other contrast imaging agents. We are currently seeking a qualified individual to become Vice President - Research & Development to manage, continue, and expand MBI's current contrast imaging agent programs, as well as to formulate new R&D programs which are consistent with our strategic plan. This newly created position will report directly to the President and Chief Operating Officer.

We are seeking a leader with a proven track record in administering and managing a complex R&D department in a major contrast imaging agent (or related pharmaceuticals) operation. Candidates should also have extensive experience supervising senior scientific and technical personnel and significant product development achievements. A minimum of eight years industry experience and a relevant Ph.D. and/or M.D. degree is required.

MBI is an equal opportunity employer and offers competitive compensation, including stock options. MBI also offers a very appealing professional environment and the opportunity to make an impact in the exciting field of medical imaging. Send resume with salary requirements to: Molecular Biosystems, Inc., Human Resources Dept., 10030 Barnes Canyon Road, San Diego, CA 92121.
NEUROSCIENCE RESEARCH

The ICI Pharmaceuticals Group, dedicated to the challenge of discovering and developing important new therapeutic agents, is seeking pharmacologists for the CNS drug discovery research group based in Wilmington, Delaware. The successful candidates will be part of an interdisciplinary team involved in exploring the interactions of neuropeptides and neurotransmission. The environment offers modern laboratory facilities supported by state-of-the-art technology.

Neuroscientist/Molecular Pharmacologist

PhD in Pharmacology/Biochemistry with a minimum of 3 years' postdoctoral experience required. Proven application of molecular biology concepts and techniques, including gene cloning and transfection into mammalian cells. Experience with receptor-mediated second messenger coupling mechanisms desired.

Research Associate

An industrial research position sponsored by the Department of Pharmacology of the University of Pennsylvania. One year appointment with the potential to renew. Experience and research interests in neurochemical pharmacology and tissue culture techniques required. Knowledge of molecular biology preferred.

IMMUNOLOGY

Adimmunology, and focusing a 2-5 function. Research through experience CA94304.

Requirements:

- The exploring developing environment experience
- An PhDin renewed Pharmaceuticals unique the years industrialresearch CNS ICI Pharmaceuticals academic responsible an postdoctoral development drug discovery research, the interactions biology equivalent; candidates experience is seeking to participate in a variety of drug development programs. Pertinent technical skills should include assay development, immunoprecipitation and epitope analysis. This position demands innovation and creativity.

DIRECTOR

MOLECULAR BIOLOGY

We seek a senior-level scientist capable of directing the efforts of our high-powered team of molecular and cell biologists. Candidates should have 7+ years of professional experience beyond the postdoctoral level, and proven expertise in managing a successful research team. Strong management skills and the ability to attract, motivate, and supervise top quality scientists are essential.

IMMUNOCHEMISTRY

A Ph.D. level scientist with 2+ years postdoctoral experience is sought to participate in a variety of drug development programs. Pertinent technical skills should include assay development, immunoprecipitation and epitope analysis. This position demands innovation and creativity.

PROTEIN BIOCHEMISTRY

Exceptional opportunities exist for Ph.D. and BS/MS level protein biochemists in our expanding T-cell Receptor program. Candidates must be skilled in modern methods of protein isolation and functional characterization. A background investigating protein-ligand interaction would be a definite asset.

IMMUNOLOGY

A dynamic immunologist (Ph.D. level) is needed to initiate an autoimmune disease program which will develop therapeutic strategies targeting T-cells and their receptors. Experience in animal models of autoimmune disease is essential.

PROKARYOTIC EXPRESSION/ MICROBIAL FERMENTATION

We seek both Ph.D and BS/MS level molecular biologists/microbial physiologists who will focus on optimizing recombinant protein expression in bacterial systems. Experience with current bench level fermentation technology is required.

Procept offers you an excellent compensation package and benefits package, plus equity participation through an incentive stock program. Please forward your resume and cover letter to: Human Resources, Procept Pharmaceutical Corporation, 855 California Avenue, Palo Alto, CA 94304. An Equal Opportunity Employer

SCIENISTS

Molecular Biology

This individual will participate in our Diabetes Research program and be responsible for developing novel methods of antigen identification and for coordinating the molecular biology efforts within this program. This will involve the construction of cDNA libraries and the development of eucaryotic and procaryotic expression systems.

Requirements: Ph.D. in Molecular Biology or related field with molecular biology emphasis; 2-5 years postdoctoral experience, or equivalent. Experience with tissue culture and immunological techniques highly desirable.

Biophysics

This individual will investigate the structure function relationship between HLA proteins and antigenic peptides, develop assay systems to monitor this interaction, and investigate the structural requirements for binding.

Requirements: Ph.D. in Biochemistry/Chemistry/Biophysics or related field; 2-5 years postdoctoral experience or equivalent; and understanding of relationship between protein structure and function. Research experience with cell surface receptors and/or ligand binding desirable.

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IMMULOGIC

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BE PART OF A NEW ERA IN IMMUNOTHERAPEUTIC DRUG DEVELOPMENT.

Procept, Inc., is forging new ground in the discovery of novel drugs by combining our proprietary receptor technology with rational drug design. We are rapidly expanding all of our scientific research programs aimed at major disease markets, and these programs require a diverse selection of talented scientists to bring forth their best ideas and creative spirit for the benefit of human therapeutic needs.

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EMBRYONIC STEM CELL TECHNOLOGY

Merck Sharp & Dohme Research Laboratories has two new openings for Molecular Biologists with experience and interest in Embryonic Stem Cell Technology.

Ref. #5-19: This opening is for a senior scientist with experience in Embryonic Stem Cell Technology, who will apply his/her expertise to a variety of collaborative projects within Merck's research labs, as well as being able to develop his/her own project area. The ultimate goal is to develop models of specific human diseases. This is an exciting opportunity to participate in an expanding research area in Basic Animal Science Research, for which new laboratory space has been assigned.

In addition to having experience with Embryonic Stem Cell Technology, the successful candidate will have a Ph.D. or equivalent, in Molecular Biology and several years of relevant postdoctoral experience. The applicant's practical skills should be complemented by a high level of initiative and superior communication skills.

Ref. #5-20: This opening is for a junior Molecular Biologist, who will assist with a variety of research projects involving recombinant DNA technology and Embryonic Stem Cell culture.

A.B.S., M.S., or equivalent, in Biology is required. Also required is at least two years of experience in Embryonic Stem Cell culture. Experience with recombinant DNA technologies would be a definite advantage.

Merck Sharp & Dohme Research Laboratories is located in Rahway, New Jersey, approximately 25 miles from New York City. Our facilities are state-of-the-art and our research environment is world-renowned. Our salaries, benefits and growth potential are excellent. For consideration, please send your resume, the Ref. #, and the names of three references to: Human Resources Manager, Merck & Co., Inc., P.O. Box 2000, WBC-155, Rahway, NJ 07065. We are an equal opportunity/affirmative action employer M/F/H/V.

Merck & Co., Inc.

COMPUTATIONAL CHEMIST

Boehringer Ingelheim Pharmaceuticals, Inc. is a major research, developer, and manufacturer of prescription drug products used in the treatment of cardiovascular, pulmonary, viral and immunemediated diseases. The Computational Chemist we select will join our rapidly expanding research and development center located in DANBURY, CT.

We are seeking an experienced individual to lead our Computer Assisted Molecular Design Group. Applicants should be well versed in quantum mechanical methods and all aspects of modeling, especially enzyme-inhibitor interactions. The successful candidate will work in a drug discovery program dedicated to the development of therapeutically useful enzyme inhibitors.

Boehringer Ingelheim offers a competitive compensation and benefits package, including a generous relocation assistance program for those that qualify and a company matched 401K plan. Our atmosphere is energetic, dynamic and people oriented.

To explore your career options at Boehringer Ingelheim Pharmaceuticals, Inc., send your resume to:

Dept. JC-CC-15, Boehringer Ingelheim Pharmaceuticals, Inc., 90 East Ridge, P.O. Box 368, Ridgefield, CT 06877.

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Use your expertise in the lab to change the world of business.

Toxicologist

The Campbell Soup Company currently has a unique opportunity for you to use your scientific experience outside of the lab to improve the way we do business. If you have a recent PhD in Toxicology or related scientific discipline and an enthusiastic commitment to technical quality and excellence, this is the career you've been waiting for.

You will provide toxicological expertise in pesticide/environmental toxicology and safety assessment, as well as in chemical safety evaluation including the design and management of safety evaluation studies. You will also be responsible for developing corporate strategies and programs addressing a broad array of toxicological, regulatory and scientific issues. Because you will interact with internal departments: consultants: technical experts and professional/trade organizations in this high visibility position, your excellent organizational, communication and leadership abilities are essential.

Be part of the driving force that has made Campbell's a $6 billion player in the international food industry. In addition to tremendous growth opportunities, we'll reward you with an outstanding total compensation package. For immediate consideration, please send your resume with salary requirements to: Dept. MML, Campbell Soup Company, Campbell Place, Box 35D, Camden NJ 08103-1799. Equal Opportunity Employer.

Campbell Soup Company
Post-Doctoral Position
National Institute of Diabetes and Digestive and Kidney Diseases
Phoenix, Arizona

A post-doctoral fellowship is available immediately for a recent Ph.D. or equivalent experience in biochemistry or related discipline to participate in studies of the mechanism by which insulin regulates Protein Tyrosine Phosphatase activity. Results of studies conducted in our laboratory suggest that abnormal regulation of skeletal muscle PTPase activity by insulin may be the primary defect responsible for insulin resistance and subsequent development of non-insulin dependent diabetes mellitus in humans. Available projects include: expression of new PTPase cDNAs from human muscle, purification and characterization of the expressed proteins, and mechanisms of regulation of these PTPases by covalent modification.

This position is funded through the NIH Intramural Research Training Award Program and has an annual stipend of $25,000 - $28,000, depending on length of previous post-doctoral experience.

Send curriculum vitae and letter of application to:
James Sommercorn, Ph.D.
Clinical Diabetes and Nutrition Section
National Institutes of Health
4212 North 16th Street
Room 541
Phoenix, Arizona 85016

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Neuropharmacologist

Molecular Devices is looking for a Neuropharmacologist to support its new silicon biosensor-based microphysiometer system, to be introduced commercially at the end of this year. Early versions of the system have been used for pharmacodynamic studies of drug agonists and antagonists on a range of cells with native or transfected receptors.

Responsibilities will include designing and teaching training workshops at MDC, presenting seminars at outside sites, and maintaining close scientific relationships with our most innovative customers and academic collaborators. Additionally, you will troubleshoot and oversee the evaluation of cells and effector agents sent to us in the course of pre-sales activities.

A PhD and a minimum of three years’ experience in pharmacodynamics in a major drug company, with hands-on experience in second messenger assays and/or electrophysiology, are required.

Molecular Devices offers a competitive compensation and benefits package. Please address inquiries plus curriculum vitae to: Dr. Gillian Humphries, Molecular Devices Corporation, 4700 Bohannon Drive, Menlo Park, CA 94025. FAX: (415) 322-2069. EOE.

THE AARON DIAMOND FOUNDATION
POSTDOCTORAL RESEARCH FELLOWSHIPS
IN THE BIOMEDICAL AND SOCIAL SCIENCES

The Aaron Diamond Foundation in New York City announces the establishment of 25 postdoctoral research fellowships in the biomedical and social sciences focusing on AIDS or drug abuse. The purpose of the fellowships is to attract promising investigators to academic and research institutions in New York City and to encourage increased research into understanding and solving two of today’s most pressing public health problems.

Fellows are paid annual stipends beginning at $36,000. Each fellowship is for two years, with an option for a third year. Applicants must have an M.D. or Ph.D. in the biomedical or social sciences. M.D.s should have completed at least two years of clinical training and received their degrees no earlier than 1984. Ph.D.s are eligible immediately after graduation. The fellowships are open to all U.S. citizens and qualified foreign applicants who have applied for U.S. citizenship. Women and members of minority groups are encouraged to apply. Applications are accepted through mentors at New York City institutions who have agreed to sponsor a particular applicant. Mentors participating in the fellowship program are listed in the application materials. The mentor’s institution received $30,000 to cover the fellow’s fringe benefits, travel and research costs.

For further information and application forms contact:
New York State Health Research Council, Office for the Aaron Diamond Foundation Postdoctoral Research Fellowships, 5 Penn Plaza, Room 308, New York, NY 10001; (212) 613-2525.
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SCIENTISTS AND POSTDOCTORAL FELLOWS IN NEUROBIOLOGY

REGENERON PHARMACEUTICALS is making rapid progress in the basic understanding of neuronal growth factors and how these proteins can treat degenerative and traumatic neurological disorders. Recent discoveries have increased the need of the Neurobiology Department for scientists with interests and skills in the areas of receptor pharmacology, neurochemistry, and animal behavior.

SCIENTIST positions require a Ph. D. and extensive experience and publications in either of these areas. Experience with animal models of central or peripheral nerve disease, traumatic injury, and neuronal plasticity is desired.

POSTDOCTORAL positions require skills and interests in at least one of the above areas and a strong desire to conduct research on recently discovered neurotrophic factors.

REGENERON's modern facility is located on an expansive wooded campus in Westchester County, 20 miles north of Manhattan. The highly collaborative and supportive Regeneron community offers considerable growth potential at the scientist and postdoctoral levels. Please send your resume indicating the relevant position and your immediate career goals to:

Ms. Carol Deaken, Bin IV,
REGENERON PHARMACEUTICALS, INC.
777 Old Saw Mill River Road
Tarrytown, NY 10591-6707

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REGENERON Pharmaceuticals, Inc.

Dean
Yale University
School of Forestry and Environmental Studies

Applications are invited for the position of Dean of the Yale University School of Forestry and Environmental Studies. The School offers Master of Forestry, Master of Forest Science, Master of Environmental Studies, along with Ph.D. and Doctor of Forestry degrees. The Dean is the chief executive officer of the School and is responsible to the Provost and the President for academic and administrative leadership. The successful candidate is expected to have a doctoral degree with an established reputation in a natural or social science discipline, relevant to natural resource science and management and/or environmental science and management.

The position will be filled on or before July 1, 1992. Applications, along with names of three references, should be sent no later than July 15, 1991 to: Professor William H. Smith, Chairman, Dean Search Advisory Committee, Dean's Office, Yale University, School of Forestry and Environmental Studies, 205 Prospect Street, New Haven, Connecticut 06511; (203) 432-5869, FAX: (203) 432-5942.

Yale University
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ASSISTANT/ASSOCIATE MEDICAL DIRECTOR

This is the opportunity to lead the program which will define the clinical utility of monoclonal antibodies in the diagnosis and monitoring of human disease. Based in San Jose, California and able to draw on the resources of one of America's largest biomedical companies, you will develop/supervise a clinical investigation program involving many of the greatest centers of clinical investigation in the U.S.A. Significant travel opportunities, including trips to the Far East.

The successful candidate should be board certified/eligible, or with equivalent training, either in internal medicine (with relevant subspecialty) or in laboratory medicine. Clinical expertise with monoclonal antibodies, molecular biology, and flow or image cytometry is desirable.

Experience in the design and supervision of clinical trials, and 1½ years minimum experience in laboratory research are required.

High advancement potential. Excellent relocation assistance. All fees paid (retained search). Send c.v., minimum required income, and earliest availability date, in confidence, by FAX (#s 1-201-746-0414 or 746-5339) or Express Mail to Martin C. Sampson, M.D., FACP at:

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**Supervisor, Clinical Operations**

3M Pharmaceuticals has an immediate need for a Supervisor in our Clinical Research Department. This professional position involves development of pharmaceutical products related to the treatment of oncologic, arthritic, cardiovascular and pulmonary medical conditions. This position will be based in St. Paul, Minnesota at 3M Center.

A college degree (BS/BA) with a biological sciences major is required. Advanced degree highly desirable. Also, at least 3 years of proven supervisory experience in the pharmaceutical industry, preferably in clinical research, is required. Scientific writing skills and good interpersonal skills a must. Moderate travel is required.

Supervisor will report directly to the Manager, Medical Affairs and will interact with existing supervisory and technical staff to coordinate project resource allocations and address career development.

For confidential consideration, your resume should be sent to the address below. No telephone inquiries or employment agency referrals please.

B.A. Dayton  
Staffing & Career Resources/3M  
224-1W-02 – 3M Center  
St. Paul, MN 55144-1000

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Investigate molecular mechanisms of aging and effect of ambient UV light on human lens on tissue, macromolecular and molecular levels, through photochemical studies using protein purification, digestion of peptides, SDS-PAGE, HPLC, TLC, UV, and fluorescence spectra meters; manipulate, isolate and examine human tissue and their constituent components. B.S. in Chemistry plus 2 years in job or 2 years as chemical technologist. Must have performed photochemical studies on tissue, macromolecular and molecular levels, using SDS-PAGE, HPLC, TLC, UV, and fluorescence spectra meters. Must know techniques of protein purification and digestion of peptides. Fourty hours per week; salary: $20,000 per year.

Contact: Dr. James Hilton, Ph.D., Director of Photobiology Laboratory, Department of Ophthalmology, Columbus University, at 212-305-9088. Equal Opportunity Employer.

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**POSITIONS OPEN**

Development stage biotechnology company with broadly enabling core technology involving molecular mimicry and pattern recognition will be hiring a variety of ENZYMOLIGISTS, CHEMISTS, BIOLOGISTS, AND TECHNICAL SUPPORT PERSONNEL over the next 12 months. Competitive benefits; salary commensurate with experience; 3 to 5 years of biotechnology industry experience a plus. Send resume and cover letter in confidence to: Terrapin Technologies, Inc., 165 Eighteenth Street, #306, San Francisco, CA 94103.

**MOLECULAR BIOLOGIST**

Experienced in cDNA library construction, screening, cloning, sequencing, and Southern and Northern transfers to join molecular parasitology/immunology group. Salary up to $32,000 commensurate with experience. Send resume listing three referees (telephone/FAX included) to: Dr. F. Kierszenbaum, Department of Microbiology, Michigan State University (MSU), East Lansing, MI 48824. MSU is an Affirmative Action/Equal Opportunity Employer.

**PHARMACOLOGIST**

Neurex, a biotechnology company, is developing a novel series of calcium channel antagonists. We are seeking a highly motivated, dynamic pharmacologist with broad experience in measuring drug effects in small animals. Requires a Ph.D. with 1 or 2 years of experience. Pharmaceutical drug development experience would be an advantage. Salary will reflect experience. Send resume and reference names to: KV-1, Neurex Corporation, 3760 Haven Avenue, Menlo Park, CA 94025.

**RESEARCH SCIENTIST**

Ph.D. in biochemistry, experimental pathology, pharmacology, or related field with at least 2 years of postdoctoral research experience. Hands-on experience with small animal surgery (rat, rabbit, dog), SDS-PAGE, spectrophotometry, immuno-histochemistry, scintillation spectrometry, tissue culture, all highly desirable. Send curriculum vitae, statement of interests, two reprints, and names of three references to: Dr. Robert Greenwald, Chief of Rheumatology, Long Island Jewish (LIJ) Medical Center, New Hyde Park, NY 11042. LIJ is the Long Island Campus for the Albert Einstein College of Medicine. An Equal Opportunity Employer.

**RESEARCH SCIENTIST**

Saint Francis Hospital and Medical Center located in Hartford, Connecticut, is seeking candidates to join our NIH-supported bone biology laboratory to work on molecular and cellular biology of the bone. Candidates should have completed a doctorate degree and a post-doctorate fellowship with prior molecular and cell biology experience. Candidates will be eligible for an appointment at the University of Connecticut School of Medicine. Interested candidates should send a resume and references to: Dr. Ernesto Canalis, Director, Department of Research, Saint Francis Hospital and Medical Center, 114 Woodland Street, Hartford, CT 06106. Equal Opportunity Employer.

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**POSIZIONS OPEN**

Development stage biotechnology company with broadly enabling core technology involving molecular mimicry and pattern recognition will be hiring a variety of ENZYMOLIGISTS, CHEMISTS, BIOLOGISTS, AND TECHNICAL SUPPORT PERSONNEL over the next 12 months. Competitive benefits; salary commensurate with experience; 3 to 5 years of biotechnology industry experience a plus. Send resume and cover letter in confidence to: Terrapin Technologies, Inc., 165 Eighteenth Street, #306, San Francisco, CA 94103.

**MOLECULAR BIOLOGIST**

Experienced in cDNA library construction, screening, cloning, sequencing, and Southern and Northern transfers to join molecular parasitology/immunology group. Salary up to $32,000 commensurate with experience. Send resume listing three referees (telephone/FAX included) to: Dr. F. Kierszenbaum, Department of Microbiology, Michigan State University (MSU), East Lansing, MI 48824. MSU is an Affirmative Action/Equal Opportunity Employer.

**PHARMACOLOGIST**

Neurex, a biotechnology company, is developing a novel series of calcium channel antagonists. We are seeking a highly motivated, dynamic pharmacologist with broad experience in measuring drug effects in small animals. Requires a Ph.D. with 1 or 2 years of experience. Pharmaceutical drug development experience would be an advantage. Salary will reflect experience. Send resume and reference names to: KV-1, Neurex Corporation, 3760 Haven Avenue, Menlo Park, CA 94025.

**RESEARCH SCIENTIST**

Ph.D. in biochemistry, experimental pathology, pharmacology, or related field with at least 2 years of postdoctoral research experience. Hands-on experience with small animal surgery (rat, rabbit, dog), SDS-PAGE, spectrophotometry, immuno-histochemistry, scintillation spectrometry, tissue culture, all highly desirable. Send curriculum vitae, statement of interests, two reprints, and names of three references to: Dr. Robert Greenwald, Chief of Rheumatology, Long Island Jewish (LIJ) Medical Center, New Hyde Park, NY 11042. LIJ is the Long Island Campus for the Albert Einstein College of Medicine. An Equal Opportunity Employer.

**RESEARCH SCIENTIST**

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RESEARCH ASSOCIATE. Position available to study molecular aspects of autoimmunity. A successful candidate will be expected to perform Northern/Southern blot analysis and PCR and be willing to work with mouse models of autoimmune diseases. Excellent salary and fringe benefits. Interested individual should send résumé and names of three or more references to: Dr. F. Mokhtarani, Director of Immunology Research, Maimonides Medical Center (Associate Professor, SUNY Health Science Center), 4802 Tenth Avenue, Brooklyn, NY 11219. An Equal Opportunity Employer.

NORTH CAROLINA STATE UNIVERSITY
PROTEIN BIOCHEMIST
DEPARTMENT OF BIOCHEMISTRY
A RESEARCH ASSOCIATE position is available for protein purification and analysis. A major project will involve characterization of the proteins that mediate replication of plant RNA viruses. An M.S. or Ph.D. in biochemistry and experience working with proteins are essential. Additional experience with general molecular biology techniques is desirable. Applicants should submit curriculum vitae with three references to: Dr. Cynthia Hemenway and Dr. Linda Hanley-Bowdoin Department of Biochemistry Box 7622 North Carolina State University Raleigh, NC 27695-7622 North Carolina State University is an Affirmative Action/Equal Opportunity Employer.

RESEARCH INVESTIGATOR. Sought: to oversee molecular biology component of a small and friendly laboratory devoted to pharmacology research. Must have Ph.D. and at least 2 years of postdoctoral experience in molecular biology. Prior experience in pharmacology is not necessary. This is a 3-year commitment of salary, technician, supplies and no formal teaching. Interested candidates should send curriculum vitae to: Clinical Research Center, Room A7119 University Hospital, 1500 East Medical Center Drive, Ann Arbor, MI 48109–0108. The University of Michigan is an Equal Opportunity Employer.

RESEARCH ASSISTANT. Department of Molecular Genetics, Biochemistry, and Microbiology, for midwestern state university. Conducts research, analysis and experimentation in genetic engineering using and designing oligonucleotides for the purpose of targeted insertion of defined mutations into cloned genes and subsequent introduction into recipient mammalian cells by DNA transfection methods; monitors gene expression of these mutations; original research experiments and sophisticated theoretical calculations must be developed; prepares technical reports and compiles research results for publication. Ph.D. in biochemistry or molecular biology required. Must have 2 years of experience in the job described or 2 years of experience in (i) use and design of oligonucleotides (DNA engineering); (ii) site-directed (targeted) mutagenesis; (iii) DNA cloning and sequencing; and (iv) analyzing DNA alternative structures. Experience must be evidenced by two publications involving DNA structures. Required experience may be gained before, during or after Ph.D. degree. Forty hours per week, 9 a.m. to 6 p.m., Monday to Friday; salary: $24,403.60 per year. Must have proof of legal authority to work permanently in the United States. Send résumés in duplicate (no calls) to: S. Holton, J/O 1099769, Ohio Bureau of Employment Services, P.O. Box 1618, Columbus, OH 43216.

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THE REWARDS OF DISCOVERY

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A Call for Research Proposals

The Procter & Gamble Company is committed to the development and use of new methods for testing the efficacy and safety of drugs and consumer products that eliminate or reduce the use of animals or distress imposed on animals. The University Animal Alternatives Research Program will provide funds for research to develop such methods.

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Three such grants will be awarded in 1992.

Deadline for Application: September 1, 1991
Announcement of Recipients: January 1, 1992

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

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• Acute Oral Toxicity
• Skin Irritation and Contact Sensitization
• Developmental Toxicity
• Respiratory Toxicity
• Neurotoxicity
• Computer Modeling

Inquiries and requests for application details should be directed to:
Program Administrator
University Animal Alternatives Research Program
The Procter & Gamble Company
Miami Valley Laboratories
P.O. Box 398707
Cincinnati, Ohio 45239-8707
Fax (513) 245-1153
POSITIONS OPEN

SENIOR RESEARCH CHEMIST. Basic research in synthetic organic chemistry; synthesis and development of new chemical compounds as therapeutic agents, e.g. cardiovascular, AIDS, and cancer. Devise, synthesize, and characterize new structures of complex organic and/or heterocyclic containing acyclic systems as templates for interaction with cellular structures and probes for mechanism of biological action. Design and develop new methods for ligands for ion channels.

Requirements: Ph.D. in organic chemistry and 2 years of postdoctoral experience involving synthesis and mechanistic studies. Facility with all phases of separation science and physical methods for structure determinations, such as NMR, IR, UV, and mass spectrometry. Experience involving designing and carrying out experiments in mechanism of biological agents with successful work in synthetic methodological and total synthesis of complex natural products and biologically active compounds. Outstanding academic and public computer software background. Forty hours per week; $3960 per month; résumé or curriculum vitae to: Philadelphia Job Bank, 44 North 3rd Street, 3rd Floor, Philadelphia, PA 19123, #4382696.

STAFF SCIENTIST/BIOCHEMIST

Under the general supervision of the principal investigator, participate in highly technological and competitive research projects requiring a high level of multi-disciplinary skills and knowledge. Assist in setting up systems, in vitro and in vivo, including shuttle vectors. Conduct research to determine how factors such as DNA sequence context (hot or cold spots), nature and source of replicating enzymes (prokaryotic or eukaryotic), and size and type of additives modulate the mutagenic frequency of a particular DNA lesion. Initiate innovative scientific approaches. Design and prepare research papers with support in related fields of biochemistry, molecular biology, and risk assessment. Plan and develop research ideas. Train and direct research staff. Prepare research results for publication in peer-reviewed journals. Develop independent research grant.

Requirements: Demonstrated skills in conducting independent research in the areas of cancer genetics and/or molecular biology. Knowledge of the latest technologies in molecular biology. Experience in enzyme purification and genetic engineering. Experience in in vitro and in vivo, polymerization and synthesis, and related topics. Demonstrated communication and writing ability to produce effectively written papers at a high level. Substantial publication record in above-mentioned research areas. Must have published in peer-reviewed journals and have established a national reputation. Applicants must have the ability to develop independent research grants. Supervise two to three technical staff. Ph.D. in bioengineering or molecular biology required. Salary: $32,000 to $36,000 per year. Apply: Send résumé to: Sarah Bach, Personnel Office, Job #102600, P.O. Box 95600, Sacramento, CA 95823-0560 no later than 8 June 1991.

BIOSTATISTICIAN I. For pharmaceutical research and development. Plan, coordinate, and generate statistical analyses and reports of data from human clinical trials of experimental compounds. Ensure that analyses of research studies are consistent with stated objectives and current statistical practice. Participate in selection of correct statistical methodology and strategy including specifications for raw software, report format, etc.), coordinate and perform data analyses. Report results in a manner suitable for research scientists, FDA, other regulatory agencies, and to the non-scientist. Integrate research and computer training with ability to interact effectively with scientists at a high level. Substantial publication record in above-mentioned research areas. Must have published in peer-reviewed journals and have established a national reputation. Applicants must have the ability to develop independent research grants. Supervise two to three technical staff. Ph.D. in bioengineering or molecular biology required. Salary: $32,000 to $36,000 per month. Equal Opportunity Employer. Send this ad and your résumé to: Job #10616, P.O. Box 95600, Sacramento, CA 95823-0560 no later than 8 June 1991.

POSITIONS OPEN

RESEARCH ENTOMOLOGIST

U.S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

The Southern Forest Experiment Station is seeking a postdoctoral scientist for its Forest Insect Research Unit at the Alexandria Forestry Center, Pineville, Louisiana. We are interested in candidates whose research experience in insect population or quantitative genetics. Research objectives include (i) development of technique(s) for genetic fingerprinting of Southern Pine Beetle (SPB) populations; (ii) study of seasonal, regional, and behavioral differences among SPB populations; and (iii) participate in the ongoing ecological genetics efforts, the development of SPB population fluctuations. Qualifications: Ph.D. or equivalent in entomology or related field. For questions on position postmark deadline is 21 June 1991. Phone: 318-473-7232. Application materials sent on request: Note: Application postmark deadline is 21 June 1991.

An Equal Opportunity Employer.

CLIMATE CHANGE ANALYST. Conduct climate change analysis, climate sensitivity modeling, sea level rise projections, and global warming policy cycle modeling, using knowledge of oceanography, energy and geophysical societies, and experience with climate/ocean modeling, numerical and statistical modeling for global warming, biogeochemistry, Fortran, Pascal, NCSAR Graphics and Mathematica. Develop position papers on global warming and scientific controversies due to anthropogenic greenhouse gases, updates policy experience in computerized atmospheric modeling. Forty hours per week, 9 a.m. to 5 p.m.; salary: $36,000 per year. Requires Ph.D. in physical sciences. Experience with 2 years of experience in field or as research assistant with experience in climate change studies. Mail two resumes with copy of ad and J#9424 to DOE, 500 Independence Avenue, Washington, DC 20001. Telephone: 202-724-3770. Proof of legal right to work in the United States must be provided.

POSITIONS OPEN

ASSISTANT INVESTIGATOR. To join a group investigating the molecular biology of Kell and Kx blood group antigens. Applicants must have a Ph.D. or M.D., with extensive knowledge of molecular biology and biochemistry. Expertise required in DNA cloning, sequencing, PCR, vector construction and isolation of proteins. Applicants with 2 to 3 years of postdoctoral experience preferred. Send curriculum vitae and names of three references to: Colvin Redman, Ph.D., Lindsay E. Kimball Research Institute, New York Blood Center, 310 East 67th Street, New York, NY 10021. Equal Opportunity Employer. M/D/EV.

SENIOR RESEARCH BIOCHEMIST (CELL BIOLOGIST). Ph.D. with at least 4 years of postdoctoral experience and a strong background in biochemistry/cell biology/immunology to conduct immunology research in the cancer research department. Specific areas of expertise required are cell culture, microscopy, intracellular protein trafficking, subcellular fractionation, protein purification, and molecular biology. Duties for this research position include: (1) designing, constructing, producing, and purifying recombinant proteins as potential vaccines; (2) evaluating intracellular protein compartmentalization; (3) providing cellular/molecular biology support for a multidisciplinary group of scientists, and (4) supervising technical support staff. Potential candidates must have significant experience in protein translocation across endoplasmic reticulum membranes and transport of proteins to the Golgi complex and cell surface. Forty hours per week; $40,000 per year. Send résumé or curriculum vitae to: Philadelphia Job Bank, 44 North 3rd Street, 3rd Floor, Philadelphia, PA 19123, #4382675, together with proof of lawful authority to be employed in the United States.

ANNOUNCEMENTS

Funds Available for Research in Pediatric Neuronal Tumors

Ronald McDonald Children's Charities (RMCC) invites applications from interested investigators for research proposals relating to neural tumors in children. The intent is to foster multidisciplinary, interleaved research within institutions similar to a program project. Applicant organizations should be located within the United States or Canada. For further information contact: RMCC, McDonald Plaza, Oak Brook, IL 60521, Attention: Medical Advisory Committee.

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