Virginia Commonwealth University's Department of Pharmacology and Physiology announces a tenure-track ASSISTANT PROFESSOR position. Applicant must have a Ph.D. or its equivalent and at least four years of relevant postdoctoral research experience. Requires ability to teach in graduate and professional school and to secure research funding; outstanding record of research accomplishments and scientific reputation; experience training graduate students; and ability to function well in a multidisciplinary environment. Of great interest are those with backgrounds in molecular biological techniques and associated data processing and analysis. Send curriculum vitae, letter of research interests and three letters of reference, by 15 September 1992, to: B. Calne, Box 613, MGV Station, Richmond, VA 23298-0613. Consideration will be given to qualified applicants upon request. Virginia Commonwealth University is an Equal Employment Opportunity/Affirmative Action Employer and encourages applications from women, minorities and persons with disabilities to apply.

ASSISTANT PROFESSOR
TENURE-TRACK
DEPARTMENT OF BIOCHEMISTRY AND BIOPHYSICS
UNIVERSITY OF NORTH CAROLINA (UNC) AT CHAPEL HILL

The Department of Biochemistry and Biophysics seeks an investigator with expertise in high resolution NMR spectroscopy for a tenured-track position. Preference will be given to individuals with a strong record of accomplishment in elucidating structures of macromolecules or analyzing ligand-macromolecular interactions. UNC has a staffed, state-of-the-art, NMR facility dedicated to biological macromolecules. Please send curriculum vitae and a two-page description of research plans, and arrange for three letters of reference to be sent to:

Dr. R.V. Wolfenden, Search Committee Chair
Department of Biochemistry and Biophysics
University of North Carolina Medical School
CB# 7260
Chapel Hill, NC 27599-7260

An Affirmative Action/Equal Opportunity Employer.

PHYSIOLOGIST/VERTEBRATE BIOLOGIST—Assumption College invites applications for a tenure-track position as the ASSISTANT PROFESSOR level, starting January or August 1993. A Ph.D. and a commitment to teaching are essential. Teaching duties include upper and lower level courses in physiology and vertebrate biology, and introductory-level courses for majors and/or non-majors. We expect the candidate to help expand the department's undergraduate research program. Send letter of application, including statements of teaching and research interests, curriculum vitae, graduate and undergraduate transcripts and three letters of reference to: Dr. John Barritt, Department of Natural Sciences, Assumption College, Worcester, MA 01615 by September 15, 1992. Assumption is a Catholic liberal arts college dedicated to excellence in undergraduate education. An Affirmative Action/Equal Opportunity Employer.

Forestry, Fisheries and Wildlife (FFW): ASSISTANT PROFESSOR with responsibility in Landscape Ecology. University of Nebraska-Lincoln (UNL) has a tenure-track 75% teaching/25% research position available. Will teach and advise in Natural Resources and FFW programs in Integrated Natural Resources Management, Natural Resources Orientation, and Woody Plant Community Ecology. Will develop graduate course in landscape ecology or closely related course. Research to focus on relationships between environmental patterns and ecological processes, including pattern and distribution of habitat types and their influence on biodiversity. Requires Ph.D. in landscape ecology, forestry, botany, plant ecology, or related area; strong communication skills; and commitment to undergraduate education.
The candidate is expected to develop a program of research suitable for externally funded grants. Salary: Commensurate with experience. Send letter of application, including a resume and names of three references to: Dr. Gary Hergenrader, School of Natural Resources, UNL, 101 Plant Industry, Lincoln, NE 68583-0814. An Affirmative Action/Equal Opportunity Employer.
INTERNATIONAL RICE RESEARCH INSTITUTE (IRRI)

IRRI is known world-wide as a center of research excellence dedicated to generating and disseminating rice-related knowledge and technology that are environmentally, socially, and economically sound and that benefit present and future generations of rice producers and consumers.

The Institute is an autonomous, nonprofit organization, one of 18 international centers of the Consultative Group on International Agricultural Research (CGIAR). The research center and administrative headquarters are at Los Banos, Philippines, with scientists posted in 12 countries of Asia, Africa, and Latin America. The Center seeks outstanding scientists with an ability to work in a multicultural and inter-disciplinary environment and with a strong desire to collaborate with colleagues in National Agricultural Research Systems.

IRRI ANNOUNCES THESE JOB OPPORTUNITIES

IRRI is seeking candidates for two positions in its Entomology Division.

- Entomologist and Head, Entomology Division
- Entomologist

Applicants for these two positions are expected to be specialists either in insect host plant resistance (HPR) or integrated pest management (IPM). As these searches are being conducted independently, candidates must specify which position they are seeking.

HEAD, ENTOMOLOGY DIVISION

Job description:

Gives disciplinary leadership for a team of 78 internationally recruited scientists, visiting scientists, postdoctoral fellows and national research scientists. Provides intellectual leadership for the division. Assists staff to implement problem oriented, well-defined projects. Manages the Division resources to develop environmentally sound rice insect pest management systems. Collaborates with research institutions to develop environmentally sound rice pest management systems. Provides technical assistance to national agricultural research systems (NARS).

Minimum position requirements:

- PhD in entomology
- Research experience on either host plant resistance (HPR) or integrated pest management (IPM) with an established publication record, and with the minimum position requirements in either of these areas as listed for the Entomologist position
- Experience in problems of tropical entomology, preferably with rice or related crops
- Proven managerial and inter-personal communication skills to provide leadership and vision to a research team
- Demonstrated capability to employ a systems perspective in designing and coordinating research

ENTOMOLOGIST

The successful entomologist candidate must meet the minimum requirements for one of the specialized positions, either HPR or IPM.

Specialist, Insect Host Plant Resistance

Job description:

Establish an innovative research program on the factors that determine the appearance of new insect pest genotypes. Develop strategies for slowing the rate of evolution in pest populations. Train and collaborate with scientists in the NARS. Increase understanding of genetic, chemical and physical bases of insect pest interactions in rice. Collaborate with crop protection specialists in making host resistance compatible with other integrated pest management studies.

Minimum position requirements:

- PhD or equivalent in the biological sciences with emphasis on entomology and genetics
- Strong background in evolutionary biology and insect/plant interactions desirable
- At least 3 years research experience and understanding of principles and techniques of modern plant breeding required

Specialist, Integrated Pest Management

Job description:

Develop and test innovative approaches for insect pest management implementation. Develop and validate integrated strategies for management of insect pests. Enhance the rice ecosystems capacity for natural regulation of insect pest populations. Collaborate with and train scientists in the NARS.

Minimum position requirements:

- PhD in entomology or related discipline
- Proven record of field-based research and strong quantitative skills
- At least 5 years of post PhD experience

Deadline for submission of applications: 31 October 1992

IRRI IS LIKewise SEEKING QUALIFIED CANDIDATES FOR THE FOLLOWING POSITIONS:

SOIL MICROBIOLOGIST/BIOLOGIST

Job description:

Assigned to the division conducting research on soil and water issues. Under IRRI's matrix system, he/she will contribute to projects of the irrigated, Rainfed Lowland and Upland Rice Programs. Will generate knowledge of biological/microbiological processes that govern nutrient cycling with emphasis on carbon, nitrogen and phosphorus in the upland, rainfed lowland, and intensive irrigated systems. The goals for irrigated systems is to quantify the biological impacts on the short and long term N and other nutrient supplying capacity and integrate soil biological components into soil, water and crop management technologies. For the rainfed lowlands, research will be directed to understanding the dynamics of microbial populations within a variable soil moisture regime and its impact on soil nutrient balances/supply. Collaborate with advanced institutions and NARS, as well as train NARS scientists in microbiology.
Minimum position requirements:

- PhD or equivalent in soil sciences or biology with specialization in soil microbiology and microbial ecology and proven excellence in science leadership and research management
- Good knowledge of methods for field studies in microbial ecology
- Experience in field research and/or rice research preferred
- English fluency is essential, further language abilities desirable

Deadline for submission of applications: 31 October 1992

INTERNATIONAL NETWORK ON GENETIC EVALUATION IN RICE (INGER) GLOBAL COORDINATOR

Job description:
Provide leadership for a global network on germplasm exchange and evaluation, work with NARS scientists in developing countries, and an interdisciplinary team at IRRI.

Minimum position requirements

- PhD in Genetics or Plant Breeding
- Experienced in working with NARS scientists in developing countries
- Capability to provide leadership for a global network on germplasm exchange and evaluation

Deadline for submission of applications: 31 October 1992

HEAD, INFORMATION CENTER

Job description:
Provide leadership and coordination to IRRI’s information and knowledge exchange program. Activities are developed and implemented through the Library and Documentation Center, Computer Services, and Communication and Publication Services (CPS). Plan, coordinate and supervise specific programs of the CPS like public awareness, research communication, and information support services. Develop mechanisms for supporting national program development in research.

Minimum position requirements:

- Advanced degree in communication (journalism, public relations, technical or scientific writing) or a related field. PhD preferred but not conditional
- At least 10 years of progressively responsible experience in planning and producing communication and information programs and materials, including experience in executive/managerial position of a scientific institution, preferably dealing with agricultural and rural development; experience with computer and other related technologies for communication desirable
- Professional fluency in reading, writing and speaking English; knowledge of other languages desirable; excellent inter-personal communication skills

Deadline for submission of applications: 1 September 1992

VISITING SCIENTISTS

IRRI IS SEEKING SHORT-TERM VISITING SCIENTISTS WITH A PHD OR EQUIVALENT TRAINING TO WORK ON RICE AND RICE FARMING SYSTEMS FOR A MAXIMUM OF THREE YEARS.

Visiting Scientist-RESEARCH FARM SPECIALIST

Assist the Director for Operations and work with the Research Farm Manager in providing quality support services for research on rice and rice based cropping systems. Duties include development of programs for efficient manpower utilization in all farm activities of over 300 staff, for land utilization to ensure long term sustainability of the research farm, for mechanization to enhance labor productivity, and to install modern management (people) methods for enhanced efficiency and quality.

Visiting Scientist-STATISTICS/BIOMETRICS

Conduct statistical/biometrics research in the area of spatial distribution and variability genotype x environment study. Provide statistical/biometric inputs to research of the various projects and programs of IRRI. Supervise other activities of the Biometrics Unit which include development of statistical software, development of field plot techniques and training programs.

Visiting Scientist-AGRICULTURAL ENGINEERING

Work in an interdisciplinary team and provide engineering solutions in one or more of the following areas: land preparation; crop establishment, pest management, harvesting and post harvest handling of rice which leads to enhanced labor productivity, minimized health risk (in case of pesticide management), reduced drudgery; and added value for income generation of rice farmers.

SALARY AND BENEFITS:
The salary and perquisites for these positions are competitive with those of the Consultative Group and other international institutes in agriculture.

Applications

Applications must be received on or before the dates specifically stated for each position, and include the candidate’s curriculum vitae, an indication of availability, and the names (including fax or electronic mail addresses) of three references. Kindly send all documents to:

Dr. Klaus J. Lamp
Director General
International Rice Research Institute
P.O. Box 933, 1099 Manila, Philippines
Telephone No. (632) 818-1926
FAX No. (632) 818-2087
Telex No. (ITT) 45365 RICE PM or 40890 RICE PM
(RCA) 22456 IRI PH
(EASTERN) 63786 RICE PN
(CAPWIRE) 14861 RICE PS
University of California, San Francisco, ASSOCIATE PROFESSOR, TANT PHARMACOLOGY AND TOXICOLOGY. The Department of Pharmacology and the Program in Neuroscience seek exceptional candidates for an Associate Professor in Residence. Salary and laboratory facilities will be commensurate with rank at the Gallo Center at San Francisco General Hospital. The major research interests of the Gallo Center are in signal transduction and gene expression in drug-resistant and drug-sensitive cells. Successful candidates should have a Ph.D. and/or M.D. with an outstanding record in neuroscience, molecular biology, biochemistry and Drosophila genetics. Excellent laboratory facilities and state-of-the-art technology are available. Salary, start-up funds, and other benefits are highly competitive. Applications are invited from independent, highly qualified candidates. Please send curriculum vitae, research plans, and three names of references to: Dr. Raymond F. Gesteland, Human Genetics Department, University of Utah, Building 533, Room 2100, Salt Lake City, UT 84112. The University of Utah is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

MEDICAL COLLEGE OF GEORGIA ASSOCIATE PROFESSOR OF PHARMACOLOGY AND TOXICOLOGY Applications are invited from individuals with Ph.D. and/or M.D. degrees and strong research accomplishments in the areas of immunology and/or pharmacology and toxicology. The Medical College of Georgia is an Equal Opportunity/Affirmative Action Employer and encourages women and minorities to apply.

ASSISTANT/ASSOCIATE PROFESSORS. Applications are invited from new and established investigators for positions in the Division of Pulmonary and Critical Care Medicine. Successful candidates are expected to carry out independent research programs utilizing modern techniques and to contribute to our teaching program. Opportunities exist for collaborative projects with the departments of Biochemistry, Pathology, and Pharmacology. A Ph.D. or M.D. degree and at least two years of postdoctoral training is required. Interested individuals should send curriculum vitae to: Dr. Robert J. Alexander, Medical College of Georgia, Augusta, GA 30912-2800. The Medical College of Georgia is an Equal Opportunity/Affirmative Action Employer.

HUMAN GENETICS AT THE UNIVERSITY OF UTAH The University of Utah, Department of Human Genetics is seeking applications for its RESEARCH ASSISTANT PROFESSOR level. The Department wishes to recruit candidates that have Ph.D. or M.D. degrees and a strong commitment to human genetics with expertise in the areas of human genetics, biochemistry, molecular biology, and immunology. Interested individuals should send application letters, curriculum vitae, and three letters of recommendation to: Dr. Donald F. Gallo, Department of Human Genetics, University of Utah, Building 533, Room 2100, Salt Lake City, UT 84112. The University of Utah is an Equal Opportunity Employer.

IVIEAGH PROFESSORSHIP OF MICROBIOLOGY The Electives in Graduate Medical Education are seeking applicants for the Ivieagh Professorship of Microbiology. Interested candidates should have a Ph.D. in Microbiology or a relevant field and a strong commitment to the education of medical students. Successful candidates will be expected to contribute to the graduate medical education program at the University of California, San Francisco. Applications should include a curriculum vitae and three letters of recommendation and should be sent to: Dr. Robert G. Kaper, Department of Microbiology, University of California, San Francisco, California 94143. The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

DEPUTY DIRECTOR, National Coastal Resources R&D Institute (NCRI). NCRI, established by U.S. Congress, supports national research and development in coastal areas, including coastal biology, fisheries, and aquaculture. NCRI is also responsible for the development of a national coastal data system. The Deputy Director is the principal technical administrator and provides leadership to the NCRI. The Deputy Director is responsible for the development and implementation of the national coastal data system. Applicants should have a Ph.D. in a relevant field and a minimum of five years of experience in the field. Applications should include a curriculum vitae and three letters of recommendation and should be sent to: Dr. Jonathan G. Littell, Director, National Coastal Resources R&D Institute (NCRI), 1000 Pennsylvania Avenue, NW, Washington, DC 20503. The National Coastal Resources R&D Institute is an Equal Opportunity/Affirmative Action Employer.
POST DOCTORAL FELLOWSHIPS IN AGING RESEARCH

The University of Missouri-Kansas City (UMKC), the University of Kansas (KU) and Marion Merrell Dow Foundation have established a Scientific Education Partnership dedicated to developing a regional center of excellence in modern biological and biomedical research related to diseases and treatment of the aging population.

A key element of the Partnership continues to be the awarding of Post Doctoral Fellowships in the following areas of basic research:

- Molecular immunobiology
- Protein structure and function
- Neuroscience
- Molecular genetics
- Molecular pharmacology
- Developmental molecular biology

Research activities may be conducted in the laboratories of university mentors at either UMKC or KU.

Appointments will be for 2 years at a stipend of $30,000 (year 1) and $35,000 (year 2), less fringe benefits costs.

For further information, individuals with background and interest in these areas of basic science should write or fax (816-966-4400):

Anthony J. Hancock, PhD
Director, Scientific Partnerships
Marion Merrell Dow Inc.
P.O. Box 6480
Kansas City, MO 64114-0480

Inquiry for information should be received no later than September 15, 1992.
Deadline for completion of application is February 1, 1993.

MARION MERRELL DOW FOUNDATION
THE UNIVERSITY OF KANSAS
UNIVERSITY OF MISSOURI-KANSAS CITY

Developing important milestones in immunological therapy.

At ImmuLogic, our proprietary discoveries have allowed us to develop an advanced understanding of the events governing the human immune system. By precisely controlling the molecular switches that regulated allergy/disease response, our ALLERVAX therapeutics will specifically treat the underlying disease condition, not just modify its symptoms.

Our extensive scientific and management capabilities, along with major industry collaborations, combine to give us the competitive advantage in finding cures for immune system disorders.

PRECLINICAL RESEARCH

PROTEIN PURIFICATION

Scientist You'll provide purified expressed allergen-derived proteins and peptides and facilitate scale-up, pre- and post-IND studies with defined candidates. Requires a Ph.D. in Biochemistry/Biology/Molecular Biology, and 2+ years post-doctoral experience in protein purification. Experience in the purification of recombinantly produced proteins is preferred. Dept. PR/S.

Research Associate/Assistant You'll assist in the purification and characterization of native and recombinant proteins. A.B.S. or M.S. in Biochemistry, with a minimum of 2-4 years protein purification experience required. Knowledge of molecular biology a plus. Dept. PR/A.

We're in a position to offer you exceptional opportunities and support for your professional stature, as well as an excellent compensation and benefits package. Please send your resume, referencing the department, to: Beth Block, Human Resources Manager, ImmuLogic Pharmaceutical Corporation, One Kendall Square, Building 600, Cambridge, MA 02139. An Equal Opportunity Employer.

IMMULOGIC
Pharmaceutical Corporation

The clear relationship between business and science
Research Assistant and Postdoctoral Positions in Molecular Biology

One research assistant and two postdoctoral positions in molecular biology are available immediately at the new Research Building of the Children’s Hospital Research Foundation in Cincinnati. Research areas include molecular mechanisms of eukaryotic gene regulation and development using yeast and Drosophila as model systems. Candidates for the research assistant position should have a Bachelor’s degree in Biology, Biochemistry or Chemistry and should be committed for at least 3 years. Candidates for the postdoctoral positions should have a recent Ph.D. or M.D. degree with strong background and research experience in Biochemistry, Molecular Biology or Genetics. Interested individuals should send curriculum vitae, a brief statement of research interest (postdoctoral applicants only), and names and addresses of three references to:

Dr. Jun Ma
Division of Basic Science Research
Children’s Hospital Research Foundation
Elland and Bethesda Avenues
Cincinnati, OH 45229-2899
Tel: (513) 559-4544
FAX: (513) 559-4317
EOE M/F/D/V

Research Opportunity

Professional positions are available in an informatics program project funded under the Genome Initiative. These positions entail literature searching, acquiring and analyzing data to be incorporated into a major database of mammalian genetics, and providing genetic information and database support for users. Applicant must be versed in classical and molecular genetics. Other desirable attributes include writing and communication skills and experienced computer use. MS degree in life sciences preferred.

The Jackson Laboratory, located on the coast of Maine, adjacent to Acadia National Park, is a world renowned center and resource for mammalian biology and genetics.

Qualified candidates should send resume to: Harold Wheeler, Manager of Human Resources, The Jackson Laboratory, 600 Main Street, Bar Harbor, ME 04609, (207) 288-3371.

An Affirmative Action/Equal Opportunity Employer

The Jackson Laboratory

NRC-CNRC

NRC - Canada’s top R&D organization - helps its industry partners become stronger global competitors. Currently, NRC’s Biotechnology Research Institute are looking for those rare people who can help further our record of excellence.

The Biotechnology Research Institute (BRI) is one of the National Research Council’s (NRC) research Institutes. It is a dynamic research centre committed to pursuing, together with industrial and University partners, biotechnological research oriented towards industrial application. Created in 1983, the Institute now occupies a 19,000m² facility equipped to reflect the multidisciplinary nature of biotechnology: research and development is conducted in biochemical engineering, molecular genetics and protein engineering.

The Institute has limited term and continuing positions available in the Molecular Biology Sector.

Crystallographers

Limited Term - 3 years RB-92-01.SCI
Continuing RB-92-06.SCI

Two positions are available in the Macromolecular Structure Group. The candidates will participate in setting up the image plate area detector system equipped with a low temperature device and will help in operating this equipment in the future. They will actively participate in the ongoing research projects in the area of protein crystallography. These include the crystallographic analysis of proteins, such as lipases, proteases, antibody Fab fragments, etc., leading to the determination of their 3-D structures. Some of the duties will require performing final stages protein purification.

Ph.D. in Biochemistry, Protein Crystallography or in a related field. Postdoctoral experience, some of which has been obtained in a protein crystallography laboratory. Familiarity with data collection using area detectors, Multiple Isomorphous Replacement and Molecular Replacement methods, as well as the variety of graphics software for protein crystallography.

Protein Chemist

Continuing RB-92-07.SCI

The successful candidate will develop technologies of ion spray mass spectrometry, gas-phase protein sequencing and amino acid analysis, lead research projects combining these techniques and carry out interdisciplinary collaborations with other members of the Institute.

Ph.D. in biochemistry, analytical biochemistry or in a related discipline and extensive relevant post doctoral research experience in biochemistry or analytical biochemistry. Candidates must have expertise in developing technologies in ion spray mass spectrometry, gas-phase protein sequencing, amino acid analysis and protein characterization and in leading scientific projects with these techniques.

Molecular Biologist

Continuing RB-92-13.SCI

The Receptor Group requires an experienced molecular biologist to contribute to ongoing projects on growth factor receptors and growth factor signalling pathways. Ongoing projects are on the EGF receptor system and TGF-B receptor system.

Ph.D. in Molecular Biology or in Biochemistry. Demonstrated postdoctoral experience. The individual should have extensive knowledge of molecular biology techniques including DNA cloning, mRNA isolation, sequencing, PCR, etc. Some knowledge of protein purification and receptor assays would be an asset. The individual should be interested in applying the techniques of molecular biology to study the growth factor receptors and their signalling pathways.
Molecular Biologist
Continuing RB-92-08.SCI

The Virology Group requires an experienced molecular biologist to contribute to ongoing projects involving insect virus expression vectors, transcriptional control, and host cell receptor. Ongoing projects include the refinement of baculovirus expression vectors and the production of proteins of commercial and academic relevance in insect cells.

Ph.D. in Molecular Biology or in Molecular Virology. Demonstrated postdoctoral experience. Extensive knowledge in the field of molecular biology—mRNA isolation, DNA cloning, sequencing, PCR, DNA purifying techniques. Some knowledge of transcriptional activators, bank retardation assays, DNA footprinting and in vitro transcription assays is desirable. Some knowledge of protein purification. Experience with transgenic (mice, drosophila, fish or plants) or insect cell culture techniques and mammalian and insect viruses would be an asset but a firm grounding in DNA technology is essential.

NMR Manager
Limited Term - 2 years RB-91-12.SCI

The duties include support activities such as troubleshooting, maintaining cryogenic fluid levels, acting as the primary liaison with spectrometer companies, implementing and testing new pulse sequences and data processing software, assisting users in their use of the NMR facility. The NMR manager is expected to keep up-to-date on NMR technology development and, in consultation with other members of the group, seek to acquire the technology that would benefit ongoing research. Aside from these support functions, the manager is also expected to carry out collaborative research on the development of NMR methods and the application of these methods to the study of biomolecular systems.

Ph.D. in Chemistry, Physics or related field with research in the area of NMR spectroscopy. Candidates must be conversant in the theory and practice of multidimensional NMR experiments, preferably with experience in protein NMR spectroscopy. They must have basic electronics skills and a knowledge of NMR spectrometers at the level of being able to implement hardware modifications in order to carry out specialized experiments.

Protein NMR Spectroscopist -
Research Associate
Limited Term - 2 years RB-XX-110.SCI

The Biomolecular Interactions group is seeking a protein NMR spectroscopist to carry out structural studies of proteins and protein-ligand complexes as part of an interdisciplinary research effort in the rational design of novel drugs, inhibitors and biomolecules.

Ph.D. in Biochemistry or in a related field with research in the area of protein NMR spectroscopy. The individual must be conversant in the application of multidimensional NMR experiments to protein structural problems. The individual must have initiative, good communication and interpersonal skills, and must be comfortable working in a team environment.

SALARY RANGE: Commensurate with qualifications.

Apply in writing, giving complete details of education and experience to: The Recruitment and Staffing Section, National Research Council of Canada, Ottawa, Ontario, K1A 0R6. In reply, please quote the appropriate reference number.

Toxicological Risk Assessment Scientist—A senior research position is available immediately with ManTech Environmental in their Risk Assessment Research Program of the Toxic Hazards Research Unit (THRU) located in Dayton, Ohio. The minimum qualifications for this position are (1) Doctoral Degree in toxicology, chemistry, epidemiology, mathematics, or computer science plus 7 years experience; Master’s Degree in same disciplines plus 10 years experience; or Bachelor’s Degree plus 15 years’ experience with evaluation; and (2) experience in toxicological risk assessment. Preferred candidates will have (1) demonstrated experience in the scientific direction of research activities in toxicological risk assessment and physiologically-based pharmacokinetic modeling; and (2) be recognized authorities in toxicological risk assessment. Duties and responsibilities, in addition to requirements stated above, will include planning, analyzing, and directing technical, administrative, and research activities of the Risk Assessment Research Program; supervising and evaluating the performance of personnel within that Program; participating in the establishment and development of research efforts to meet program needs; managing program resources in a manner that facilitates progress on contract initiatives as prioritized by the THRU Director; and as a scientific expert, advising management and colleagues on projects involving toxicological risk assessment; and presenting study results and research programs both orally and in written reports and publications. ManTech Environmental offers competitive salaries and a complete benefits package. Qualified applicants please submit current resume, with cover letter including salary requirements, to: Ms. Lole Doncaster, Human Resources/04, ManTech Environmental Technology, Inc., a ManTech International Company, P.O. Box 31009, Dayton, OH 45431-0009. ManTech Environmental Technology, Inc is an Equal Opportunity Employer.
AFFYMETRIX

OFFERS

DUAL FACULTY POSITIONS IN BIOLOGICAL AND CHEMICAL SYSTEMS

AFFYMETRIX is the diagnostic subsidiary of Affymax, a drug discovery company. At Affymetrix we will develop new diagnostic products that combine photolithography from the semiconductor industry with solid phase organic chemical synthesis [Fodor et al., Science, 251, 767 (1991)].

Affymetrix has the following positions open:

Staff Scientist

Design, characterize and evaluate optical detection schemes for diagnostic instrumentation. The successful candidate must be capable of coordinating the research, development, and integration of new chemistries with optical instrumentation, and should have experience in photo-chemistry, luminescence, spectroscopy and optical techniques. Experience in assay methodology and biological measurements is preferred; Ph.D. required in Physical Chemistry or related field.

Process Chemist

Responsible for the development, optimization, and maintenance of a chemical process to derive wax with functional groups for polymer synthesis. This is an opportunity for a Chemist or Chemical Engineer who has experience with synthetic organic chemistry and the demonstrated ability to sustain a process. The successful candidate will be familiar with analytical chemical techniques and statistical analysis. Some knowledge of GMP and PQA in the clinical diagnostic or pharmaceutical industries will be advantageous.

We offer many of the benefits of a world class academic environment and the potential to develop innovative diagnostic products. If you would like to join our fast growing company, we invite you to send your resume to: Affymax Research Institute, 1570 Seaport Square, San Francisco, CA 94126. Equal Opportunity Employer.

DIRECTOR, VASCULAR GRAFT PROGRAM

Creative and challenging opportunity to direct and manage all aspects of program to develop a small diameter vascular graft. Responsibilities include the basic scientific research and development challenges including preclinical and clinical studies. Ideal candidate has experience in vascular biology and management skills in product development programs. Must have ability to interact effectively and manage supporting groups intramurally and extramurally. Ph.D. degree required. Interested applicants should send resume to: Oganogenics Inc., 83 Rogers Street, Cambridge, MA 02142.

DIRECTOR, Office of Animal Care Services. Responsibilities include delegated authority for policy and programs in: 1) medicine, surgery and training, 2) diagnosis and research, 3) facilities, 4) program administration. Will develop/supervise training program in laboratory animal medicine and associated special health education/screening program. Must have D.V.M. or equivalent; licensure or eligibility for license in State of California. Advanced degree or ACLAM board certification preferred. September 30, 1992 deadline. Send letter with qualifications, curriculum vitae and three or more references to: Paul Sypherd, Ph.D., Vice Chancellor for Research, 155 Administration Building, University of California, Irvine, CA 92717-3175.

CATCH THE MOMENTUM

Celite Corporation, an aggressive and rapidly growing international producer of industrial minerals, has an opening in its Research and Technical Services Department for a MANAGER OF TECHNICAL SERVICES. Responsibilities include the supervision of all technical service activities in the department, including those associated with the support of the sales, marketing, manufacturing, and geology departments. Some domestic and overseas travel may be required. Strong analytical, interpersonal, and communication skills, five years of more work experience, laboratory project management experience, and a graduate degree in physical science or engineering required. Minerals industry experience strongly preferred. The position is based in Celite's state-of-the-art laboratory located in a small town on the beautiful Central Coast of California. Send resume with salary history and requirements to: Box 23, SCIENCE Classified Advertising, 1333 H Street, N.W., Room 814, Washington, DC 20005. Equal Opportunity Employer, M/F/V.

USDA/FOREST SERVICE

STATION DIRECTOR, Northeastern Forest Experiment Station. Position is located in Radnor, Pennsylvania. The position is responsible to the Chief of the Forest Service for providing leadership in the formulation and direction of research and scientific activities in natural resources. Responsibilities encompass the important forest areas consisting of the States of Connecticut, Kentucky, Maine, Massachusetts, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Vermont, and West Virginia. This position is the Senior Executive Service, salary range is $90,000 to $112,100 per annum. All applicants must submit: 1) application for Federal employment (SF-171) typed, 2) Supplemental Applicant Statement, 3) Copy of most recent supervisory appraisal of performance, 4) Senior Executive Candidate Development Program graduates must provide proof of OPM certification, 5) Form AD-779, Biographical Sketch. To obtain the application forms or if you have questions, please contact: Denise Howell, (703) 238-3440, USDA Forest Service, P.O. Box 96090 (Room 913 RFE), Washington, DC 20090-6990. Position closes August 19, 1992.

FACULTY POSITION available immediately to work with research group directed by Dr. Donald Golden using cDNA expression libraries to study neurologic disease. Candidates should be experienced in cloning, expression and transcript analysis. Sequencing experience desirable. Rank and salary commensurate with experience. Submit curriculum vitae, representative publications and reference letters by September 21, 1992 to: Dr. Ronald Golden, Chair, Department of Neurology, University of Colorado School of Medicine, 4200 East 9th Avenue, Box B-182, Denver, CO 80262. The University of Colorado Health Sciences Center is committed to Equal Employment Opportunity and Affirmative Action.

RESEARCH SCIENTISTS

ICOS Corporation is a biotechnology company pioneering scientific development in the fields of cell trafficking and cell activation. Positions are available for scientists with postdoctoral experience in the following areas:

ANTIBODY ENGINEERING
Molecular Biologist with a minimum of 2 years experience in the engineering and humanization of monoclonal antibodies. Ref. #TSD1AE

CADHERINS
Cell Biologist/Protein Biochemist/Molecular Biologist with experience in the biology of cadherins or other junctional molecules. Ref. #TD15CA

SIGNAL TRANSDUCTION
Molecular Biologist with experience in receptors, G proteins, and protein kinase signalling mechanisms with special emphasis on structural definition of protein-protein interactions. Ref. #H91ST

ICOS offers a stimulating intellectual environment and a state-of-the-art research facility. Our compensation package includes a competitive salary and a comprehensive benefit program which includes stock options. Please send your C.V. with job reference number to:

Human Resource Director
ICOS Corporation
22021 20th Avenue S.E.
Bothell, WA 98021
FAX: (206) 485-1911

ICOS is an Equal Opportunity Employer. No Phone Calls Please.
The University of California, San Francisco School of Medicine. TENURED TRACK FACULTY POSITION IN THE PROGRAM OF BIOLOGICAL SCIENCES. The Department of Orthopaedic Surgery and the Program in Biological Sciences of the School of Medicine, University of California, San Francisco seek a molecular cell and/or developmental biologist whose primary interest is in the organization and function of bone and cartilage as tissues. The successful candidate for this tenure track position should have a demonstrated expertise in connective tissue research primarily in osteogenesis and chondrogenesis. The successful candidate should be able to develop an active and independently funded research program and teach professional and graduate students.

Letters of application should be accompanied by curriculum vitae and bibliography, narrative description of plans for future research, and the names, addresses, telephone numbers of three references. Please send all material by September 15, 1992 to: Dr. Bruce Alberts, Chairman of the Search Committee, Professor of Biochemistry and Biophysics, Box 0448-HSE 920, University of California, Medical Center, San Francisco, CA 94143-0450 or Dr. David S. Bradford, M.D., Professor and Chairman, Department of Orthopaedic Surgery, University of California, Medical Center, San Francisco, CA 94143-0728.

Botany/Cell Biology: The Biology Department of the University of Central Arkansas (UCA) invites applications for a full-time temporary (sabbatical replacement) FACULTY POSITION for 1992-93 with opportunity for competitive renewal. Highest consideration will be given to applicants qualified to teach Botany, Cell Biology, and Biology for General Education. Submit curriculum vitae, copies of transcripts, a description of previous teaching experience and three letters of recommendation to: Dr. Edmond E. Griffin, Department of Biology, University of Central Arkansas, Conway, AR 72032. Deadline for applications is August 21, 1992. UCA is an Affirmative Action/Equal Opportunity Employer. Telephone: 501-450-3146; FAX: 501-450-5208.

FACULTY POSITIONS

The Department of Pharmacology and Molecular Biology at The Chicago Medical School is initiating the third phase of faculty recruitment for tenure track positions at all levels. Preference will be given to candidates with experience in the molecular aspects of cancer, cardiovascular diseases, toxicology and endocrinology. A funded, independent research program will be an additional consideration. Selected candidates are expected to contribute to teaching Medical Pharmacology and Molecular Biology courses. The school is located in a modern facility adjacent to the very pleasant North Shore community of Lake Bluff, 38 miles from downtown Chicago and with proximity to forest preserves and Lake Michigan. The department under new leadership has already recruited several faculty of high caliber. Excellent core facilities and a strong graduate program (Ph.D. and M.D./Ph.D.) are available. Please send curriculum vitae, research plans and three names for reference to: Dr. Samson T. Jacob, Chairman, Department of Pharmacology and Molecular Biology, The Chicago Medical School, 3333 Green Bay Road, North Chicago, IL 60064. The Chicago Medical School is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION—Massachusetts General Hospital and Harvard Medical School, Boston.

Postdoctoral position in antibody engineering for candidates with appropriate expertise in molecular biology, immunohistochemistry, protein chemistry. Research involves structural and functional characterization of mutant antibody combining sites at protein and DNA level. Send curriculum vitae, statement of research interests, and names of three references to: Dr. Michael N. Margolies, Jackson 14, Massachusetts General Hospital, Boston, MA 02114. Telephone: 617-726-8552; FAX: 617-726-4811.

POSTDOCTORAL POSITION available to study the effects of a newly cloned natural killer enhancing factor and cytokines on lymphocyte function. Background in molecular biology and immunology preferred. Please send curriculum vitae and list of references to: Hungyi Shan, Ph.D., Division of Surgical Oncology, 54-140 CHS, UCLA Medical Center, Los Angeles, CA 90024-1782. Affirmative Action/Equal Opportunity Employer.

The Glaxo Institute for Molecular Biology

Research at the Glaxo Institute in Geneva is focussed on discovering the molecular mechanisms of diseases of the CNS, allergies and inflammatory conditions. We have an outstanding opportunity for a

POST-DOCTORAL BIOCHEMIST POSITION
to study the role of protein tyrosine phosphatases in signal transduction

The ideal candidate will have research experience in receptor-linked signalling pathways involving tyrosine phosphorylation/dephosphorylation. The successful applicant will investigate protein tyrosine phosphatases recombinantly expressed in yeast and particularly their interactions with mammalian receptor tyrosine kinases and transcription factors.

The Institute provides a dynamic international research environment and actively encourages collaborative projects with academic groups as well as the publication and presentation of results at scientific meetings. The Glaxo Institute is part of the Glaxo group, one of the world's most successful healthcare companies which has an outstanding reputation for the quality of both its research and products.

We offer an excellent compensation and benefits package and significant opportunities for career development. Geneva, situated in a very attractive part of Europe, has many advantages as a place to live.

If you are interested in this position, please send your curriculum vitae with a list of publications and the names of three referees to: Rita Gloor, Personnel Manager, Glaxo Institute for Molecular Biology, 14 chemin des Aulx, 1228 Plan-les-Ouates, Geneva, Switzerland.
Make A Difference In The Quality of Life

Baxter Biotech Immunotherapy Division, 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:

MANAGER
Protein Characterization
The successful candidate will lead/coordinate R&D activities, identifying project requirements for the development of clinical products, including timeline, activity plan, staffing and budgeting. We require in-depth knowledge of protein characterization, including protein structure, post-translational modification and structure/function relationship. General knowledge of immunology, cell culture and recombinant technology is also needed. Applicants must have management experience with multiple projects, including projection of timeline, budget and staffing requirements leading to IND submission. Familiarity with FDA requirements of product characterization leading to IND and PLA submission is essential. Computer literacy desirable.

The name Baxter Healthcare Corporation is synonymous with products, systems and services devoted to improving health care throughout the world. We are a Fortune 100 company providing a smoke-free environment, competitive compensation and benefits. Please send your resume in confidence to: Baxter Biotech Immunotherapy Division, Human Resources Dept. LD/PCM, 1710 Flower Avenue, Duarte, CA 91010. An Affirmative Action/Equal Opportunity Employer.

Molecular Biosystems, Inc. (MBI), a leader in the development and manufacturing of contrast agents for medical imaging, including ultrasound and MRI, is seeking qualified candidates for the following positions:

- **Scientist**: Responsible for development of final formulations for MRI & CT products. Must be familiar with drug delivery systems & tissue targeting. Requires a Ph.D. in Pharmacology or Medicinal Chemistry with 5 years lab experience formulating organic & inorganic based drugs for solubility & tissue specific delivery. Also requires knowledge of pharmaceutical operations, sterilization & cGMP regulations.
- **Scientist**: Responsible for developing analytical methodology in support of process and product development & assembling the technical portions of regulatory filings (IND, NDA). Requires Ph.D. in Analytical Chemistry with 5 years experience in analytical method development within the pharmaceutical industry.
- **Research Associate II**: Will assist in developing novel biochem assays for ultrasound imaging products. Requires experience in chromatography (HPLC or FPLC) and electrophoresis. BS Biochemistry with 3+ years lab experience or MS with 1 year lab experience.

We offer competitive salaries, a comprehensive benefits package & a pleasant working environment. Qualified candidates should submit resume with salary history to:

Molecular Biosystems, Inc.
Human Resources Department A65-93
10030 Barnes Canyon Road
San Diego, CA 92121.

An Equal Opportunity Employer

Professor and Head
Department of Biochemistry
University of Minnesota Medical School

The University of Minnesota Medical School invites applications for the position of Professor and Head of the Department of Biochemistry. Major research efforts in the Department span a wide variety of disciplines, including molecular biology, molecular biophysics, enzymology and biological regulation. Teaching of graduate biochemistry is shared among 45 research colleagues in the campus-wide biochemistry graduate program, which currently is training over 125 Ph.D. students. The Department is also responsible for teaching of medical/dental and allied health students.

We seek a candidate with outstanding scientific credentials to lead the Department and stimulate interactions with the community of biological scientists within the Medical School and the broader University. Candidates must have a doctoral degree, an internationally-recognized, active research program and quality for appointment as a tenured Professor in accordance with University and Medical School policies.

Qualified candidates should submit a curriculum vitae documenting their qualifications and professional accomplishments. The deadline for receiving applications is September 15, 1992. Please send to:

David W. Hamilton, Ph.D.
Chairman, Search Committee for Head of Biochemistry
UNIVERSITY OF MINNESOTA
4-135 Jackson Hall
321 Church Street S.E.
Minneapolis, MN 55455

This is to announce the extension of an on-going search

The University of Minnesota is an equal opportunity educator and employer.
Molecular Alterations in Antibody Generation with Aging
Norman R. Klinman
Age-Related Molecular Defects of Calcium Regulation*
Diana J. Bigelow
Defective Calcium and Protein Kinase Signals in T Lymphocytes from Old Mice
Richard A. Miller
Apoptosis in the Immune System
I. John Cohen
Molecular Mechanisms of Complement-Mediated Cell Death*
Alfred F. Esser
Inherited Neuronal Degeneration in Caenorhabditis elegans
Martin Chalfie
Role of Heat Shock Proteins as Molecular Chaperones
William J. Welch.
Precursor Protein Folding and Processing
Marino Martinez-Carrion
Molecular Response to Stress and Aging
Nikki J. Holbrook
N-end Rule, Ubiquitin and Protein Degradation
Alexander Varshavsky
Inhibition of Osteoclastic Bone Resorption by Bone Acidic Glycoprotein-75*
Jeffrey P. Gorski
The Alzheimer Amyloid betaA4 Protein and its Precursor in Health, Aging and Disease
Konrad Beyreuther
The Cytoskeletal Reorganization of Alzheimer’s Disease
Kenneth S. Kosik
Neurotrophic Factors and Cell Death
Ron W. Oppenheim
Basic Fibroblast Growth Factor and Excitotoxicity:
Molecular Mechanisms for Neuronal Survival*
Elis K. Michaelis
Adaptive versus Pathological Plasticity in the Aged Brain
Carl W. Cotman
Summary and Perspectives
Billy G. Hudson

MOLECULAR BIOLOGIST

- DNA Repair & Cell Cycle Control -

The recent opening of the new Glaxo Inc. Girolami Research Institute, located in Research Triangle Park, NC, represents Glaxo's continued commitment in the pharmaceutical industry to the discovery of drugs for unmet patient needs. Scientists engaged in Glaxo's expanding research and development programs at the Center have a premier facility in which to work.

We seek a Molecular Biologist with experience in the regulation of DNA repair and genomic integrity in mammalian cells. This individual will develop and lead a research program focusing on DNA repair and its role in regulation of the cell cycle as potential targets for novel cancer chemotherapy.

The successful candidate will be an energetic individual with leadership ability and creativity, in addition to scientific excellence. Active collaboration with other research teams both inside and outside the company is required. Qualifications must include a Ph.D. or M.D., plus a minimum of four years of relevant post-doctoral experience, and a proven record of achievement.

Join Glaxo and enjoy an excellent salary, flexible benefits, an on-site recreation and fitness center, a spirit of enthusiasm and teamwork and outstanding opportunities for career satisfaction. Equally appealing is our world-famous scientific, industrial and academic community in Research Triangle Park, NC. Send your resume, including salary history, to: Human Resources Department, Job # 9125-MB-SC, Glaxo Inc., P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals. Please.) An Equal Opportunity Employer M/F/H/V.

POSITIONS OPEN

FACULTY POSITION BIOLOGY OF INFECTIOUS DISEASES

The Department of Molecular Genetics and Cell Biology at The University of Chicago invites applications for a junior or intermediate level tenure-track position to investigate the basic biology of infectious diseases. Host-parasite interactions, the immune response to infection, and basic mechanisms of pathogenesis by bacteria, fungi and parasites are examples of research interests appropriate for this position. Significant post-doctoral experience is required. In addition to establishing an independent research program and participating fully in the graduate programs of the Department and of the Division of the Biological Sciences, the individual filling this position will have the opportunity to interact with clinicians and trainees of the Departments of Medicine and of Pediatrics interested in infectious diseases. Applicants should send curriculum vitae, a statement of research interests and a list of at least three references to: Dr. Wolfgang Epstein, Microbiology Search, Department of Molecular Genetics and Cell Biology, 920 East 58th Street, Chicago, IL 60637-1474. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

MARINE PLANKTON

The College of William and Mary, School of Marine Science, Virginia Institute of Marine Science, invites applications for two tenure track FACULTY POSITIONS. Successful candidates will be expected to teach graduate level courses in biological disciplines, advise graduate students, and to develop externally-funded research programs. Preference will be given to applicants interested in research involving planktonic processes at the organismic, community or ecosystem level and a commitment to excellence in graduate education. Senior level applicants should demonstrate a record of outstanding research. We are particularly interested in applicants with skills in state-of-the-art techniques such as image analysis, immunofluorescence or molecular techniques, modeling or other computer applications which apply to planktonic processes.

Applicants should send their curriculum vitae and arrange for three or more letters of reference to be sent to: Dr. Leonard W. Haas, Search Committee Chair, The College of William and Mary, Virginia Institute of Marine Science, Gloucester Point, VA 23062 (telephone: 804-642-7248). Review of applications will begin on 15 August 1992 with the intention of filling one or both of the positions by the beginning of the Fall semester 1992. However, the positions will remain open until filled by suitable applicants.

The College of William and Mary is an Equal Opportunity/Affirmative Action Employer. Women and minorities are particularly encouraged to apply.

THE SALK INSTITUTE

POSTDOCTORAL POSITION IN MOLECULAR IMMUNOLOGY/ MOLECULAR BIOLOGY.

Immediately available in a group investigating (1) developmental regulation and function of lymphocyte cell surface molecules which includes ES cell line knock-out technology and (2) the identification of changes in gene expression that accompany the progression of cells through intermediate stages on the pathway to cancer. Expertise in molecular biology desirable.

Please send curriculum vitae and letters of recommendation to:

Dr. William C. Raschke
The Salk Institute
P.O. Box 85800
San Diego, CA 92186-5800

The Salk Institute is an Equal Opportunity Employer.

POSTDOCTORAL POSITION

To study the pharmacology of benzodiazepine dependence and withdrawal on an NIDA-funded project for three years. Studies involve evaluation of withdrawal suppression drugs and analysis of tissue levels of drugs by HPLC. Requires Ph.D. with experience in drug abuse research field, behavioral analysis of drug actions and/or tissue level monitoring of drugs and with excellent communication skills verbal and written. Available immediately. Send curriculum vitae and three letters of recommendation to: Dr. Norman R. Boise, Department of Pharmaceutical Sciences, 211 Magus Building, Northeastern University, Boston, MA 02115.
POSTDOCTORAL POSITION available to study the biological activity of proteoglycan core proteins. Recombinant peptides produced by expression vector systems will be evaluated for activity using affinity association methodology and cell culture systems. A strong background in biochemistry/molecular biology and an interest in cell biology/extracellular matrix desired. Send curriculum vitae and the names/addresses of three references to: Dr. John Hassell, The Eye and Ear Institute of Pittsburgh, University of Pittsburgh School of Medicine, 205 Lothrop Street, Pittsburgh, PA 15213.

POSTDOCTORAL POSITION available to study cell surface biology of Neisseria gonorrhoeae and its application towards vaccine development. Project is a collaborative effort between the University of Maryland and MedImmune, Inc. Candidate should have a strong background in molecular techniques. Send curriculum vitae and three letters of recommendation to: Dr. Daniel Stein, Department of Microbiology, College Park, MD 20742. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION—Available immediately for a recent Ph.D. to join an ongoing study of the molecular basis of RNA binding by zinc finger proteins with an aim to developing novel therapeutic agents. Experience in molecular biology is essential. A background in protein structure/function would be advantageous. Send curriculum vitae and references to: Dr. Todd Darby, Jefferson Cancer Institute, Thomas Jefferson University, 233 South 10th Street, Philadelphia, PA 19107. Smoke-free environment. Equal Opportunity Employer.

POSTDOCTORAL POSITION available for studying the role of errors in the transcription and in the receptor structure/function leading to the development of cancer. Ph.D. required with strong background in biochemistry; molecular biology experience helpful. Send curriculum vitae and references to: Dr. Deodutta Roy, Department of Environmental Health Sciences, University of Alabama, Birmingham, AL 35294. An Equal Opportunity Employer.

POSTDOCTORAL POSITION in MOLECULAR VIROLOGY/IMMUNOLOGY. Available September 1 to study equine immune recognition of influenza virus. Experience with molecular biology is required. Experience with monoclonal antibodies, vaccinia virus expression system, or site-directed mutagenesis is desirable. Please send curriculum vitae, summary of previous research, and names and addresses of three references to: Dr. Thomas M. Chambers, Department of Veterinary Science, 108 Gluck Equine Research Center, University of Kentucky, Lexington, KY 40546-0099. The University of Kentucky is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION. One or two positions will be open in the fall of 1992 to study the biochemistry of cell adhesion as it pertains to tumor metastasis, atherosclerosis and osteoporosis. Emphasis will be on the fundamental protein biochemistry of integrin adhesion receptors, including (1) regulation of ligand binding by metal ions and receptor phosphorylation; and (2) receptor internalization and recycling. Individuals with backgrounds in chemistry or molecular biology who are interested in interfacing with a group strong in cell biology and protein chemistry are encouraged to apply. Send curriculum vitae to: Dr. Jeffrey W. Smith, Committee for the Study of Vascular Biology (CVB-1), The Scripps Research Institute, 10666 North Torrey Pines Road, La Jolla, CA 92037.

POSTDOCTORAL POSITION IN MOLECULAR IMMUNOLOGY is available at The Johns Hopkins School of Medicine. Projects address the role that novel major histocompatibility complex encoded proteins play in the development, recognition and function of T cell subsets. Interested individuals should send a resume and two to three letters of reference to: Mark J. Soboloski, Ph.D., Division of Molecular and Clinical Rheumatology, The Ross Research Building, Room 1049-S, The Johns Hopkins School of Medicine, 720 Rutland Avenue, Baltimore, MD 21205.
**REGIONAL ENVIRONMENTAL ADVISOR**

**BACKGROUND:** The Agency for International Development (A.I.D.) is seeking a Regional Environmental Advisor (REA) to provide host country governments, grantees, and A.I.D. in East and Southern Africa (ENVI) with information and technical assistance related to the environmental sector in Sub-Saharan Africa. In addition, the REA will provide technical backstopping support to USAID Missions, USAID regional staff and AID/Washington environmental officers in assuring compliance with the provisions of 22 CFR Part 216, "A.I.D. Environmental Procedures." The Regional Environmental Advisor will be based in the Regional Economic Development Services Office for East and Southern Africa (REDSO/ESA) in Nairobi, Kenya, and he/she will provide technical environmental services to USAID Missions in the countries of East and Southern Africa and the Indian Ocean States. The REA will work under the general supervision of the Chief Engineer, REDSO/ESA, who will provide general guidance, approve work plans and evaluate REA performance.

**RESPONSIBILITIES:** As the senior regional technical specialist for environmental issues and concerns, the REA will:

A. Provide technical backstopping support for project activities related to environmental assessments. The REA will also initiate activities with USAID Missions in the ESA Region to identify, develop, and evaluate projects/programs that will assist host government and private sector entities in the area of environmental protection.

B. Assist in the preparation of development strategies and plans, as well as in program and project design and implementation to ensure they are environmentally sound and conform to host Country laws with respect to environmental matters. The REA will work closely with host country departments and officials to improve their capabilities to manage the environment of the country.

C. Assist USAID Missions during the preparation of A.I.D. project identification, development and implementation documentation to help ensure that environmental concerns are recognized, monitored, evaluated and mitigated.

D. Provide technical input for representatives on intra-agency committees, work groups and other bodies dealing with environmental policy and related programmatic strategy and act as A.I.D. liaison with the World Bank (WB) with respect to development implementation of National Environmental Action Plans (NEAP) and Environmental Information Systems (EIS), as well as to coordinate USAID Mission activities related to these programs.

E. Assist Host Country coordinating agencies to establish environmental assessment procedures and policies at national, municipal and local levels.

F. Assist Missions and Host Countries in accessing the wide range of centrally-funded projects in A.I.D. now available by providing assistance in determining the project requirements, developing scopes of work and engaging necessary short-term specialists to evaluate specific environmental problems. The problems might range from general studies to incidents of industrial and/or municipal pollution or environmental degradation, including making recommendations for remedial action and/or governmental control.

G. Assist Missions in designing new activities, projects and/or programs, or in re-designing their existing portfolios to provide assistance to Host Government Ministries in their efforts to plan, establish and staff environmental coordinating and regulatory agencies and in the institutionalization of newly created environmental agencies established to develop and/or implement National Environmental Action Plans.

**REQUIREMENTS:** A Bachelor of Science in one of the natural or physical sciences or engineering is required, and graduate degree(s) in environmental sciences is highly desirable. Prior work experience should include at least ten years of progressively responsible professional experience in the physical or natural sciences. Technical and administrative experience in A.I.D. project design and implementation and related work in developing countries is highly desirable. A strong French language capability is needed. Environmental work experience related to the ESA Region is especially desirable. U.S. Citizenship is preferred but not mandatory.

**APPLICATIONS:** USAID contemplates awarding a Personal Services Contract in early September, 1992. The reporting date to Nairobi will be negotiated, but it is desired to be ASAP after a contract is awarded. The contract will be for a two year term with an option for extension. The selected individual must obtain security and medical clearances which include a physician certification that he/she is capable and any accompanying dependents are medically fit to serve in the African environment. A.I.D. encourages the participation to the maximum extent possible of women and minority individuals in this activity, in accordance with Part 10 of the Federal Equal Employment Regulations. Qualified individuals are requested to submit applications including SF-171 (available from U.S. Post Offices and USAID Missions), resume, and salary history to Contracting Officer for REDSO/ESA, NASA U.S.A., NASA APO, 09631-4102, and the fax number is 254-2-330945 or 337304. Selection will be based on an evaluation by a Technical Evaluation Committee of the applicant's qualifications. Applications must be received in Nairobi by 5:00 pm on August 14, 1992.

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**HEAD OF THE GLOBAL CHANGE DATA CENTER**

The Goddard Space Flight Center is seeking candidates for the position of Head of the Global Change Data Center. The incumbent will be responsible for the Earth Observing System (EOS) - Systems Development Office, the Goddard Distributed Active Archive Center (DAAC) Facility, and the Earth Science Data Operations Facility. The incumbent must have demonstrated ability to manage complex data operations and archiving facilities related to Earth or space science research, including translating the needs of scientific data users into operational data systems.

The incumbent must have a bachelors degree (advanced degree preferred) in physical science, mathematics or engineering. He/she must be a recognized authority in science data systems development/operations, computer/data systems technology/techniques development, or Earth or space science data analysis, and have indepth experience in the processing, analysis and use of spacecraft-acquired Earth or space science data. Knowledge of some disciplines of Earth science is desired.


General inquiries should be directed to Dianne Hagerty at (301) 286-8319. Technical inquiries should be directed to Robert Price at (301) 286-2239. U.S. Citizenship is required. Equal Opportunity Employer.

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**ENZON, Inc.**

The excitement is contagious when a company with outstanding products and a vision of the future begins to come into its own. ENZON is such a company. Our core technology enhances the delivery of protein-based drugs; it offers the promise of new life to patients and a unique opportunity for the innovative and imaginative professionals who participate in the development.

**Scientist Supervisor, Analytical Chemistry**

Develop and implement bioanalytical procedures to support research, clinical and related projects; coordinate analytical chemistry group activities; write reports and provide recommendations and monographs based on generated data. Ideally, you must have a Ph.D. in Analytical Chemistry, Biochemistry, Biology, Immunology or the equivalent, and familiarity with enzymes and immunoassays. Experience analyzing biochemical or biological samples is desirable, and a knowledge of pharmacokinetics, drug metabolism, cGMP or computers is a plus. Dept. SSAC.

We offer a fast-paced environment where creativity is valued, and independent thinking, as well as collaboration, is encouraged. We offer unparalleled support for your scientific standing, and a generous compensation and benefits package. Please send your resume, referencing the department to: Corporate Human Resources, Enzon, Inc., 40 Cragwood Road, South Plainfield, NJ 07080. An Equal Opportunity Employer.
University of Oslo
Department of Pharmacy
Chair in Medicinal Chemistry

Candidates for the chair in medicinal chemistry should have a proven record of achievement in as many as possible of the following areas:

1) Synthesis and evaluation (structure-activity assessment) of new drugs with new pharmacological modes of action (lead compounds),

2) Synthesis and evaluation (structure-activity assessment) of new drugs employing known active compounds as lead structures,

3) Structure-activity analysis involving synthetic organic chemistry, in vitro and/or in vivo pharmacological methods, molecular modelling and/or QSAR.

The nominated professor is expected to participate in interdisciplinary research programs — e.g. biochemistry, pharmacognosy and pharmacology — which are of relevance to the research in medicinal chemistry.

The duties of the professor include teaching of medicinal chemistry/organic chemistry at all levels, research in his own area including supervision of undergraduate — and graduate students, and certain administrative responsibilities.

The appointee should ideally, in due course, attain the ability to teach and supervise in Norwegian.

Within one month after the date of application, applicants must forward 5 copies of publications and 6 copies of a list of publications to: University of Oslo, Faculty of mathematics and natural sciences, P.O. Box 1032, Blindern, 0315 Oslo, Norway.

Applications including a list of the publications should be forwarded to: University of Oslo, Faculty of mathematics and natural sciences, P.O. Box 1032, Blindern, 0315 Oslo, Norway.

Further information: Department of Pharmacy, Phone: +47-2-856586.

Last date of application: Sept. 15, 1992.
POSTDOCTORAL POSITIONS IN PLANT CELL SIGNAL TRANSDUCTION. Available Fall 1992 in the following: (1) mechanism of action of calmodulin and its regulation of vesicle trafficking in the B. japonicum soybean nitrogen-fixing symbio. Biochemical and molecular approaches will be used to study signal molecules, their fluxes, and calcium-targeted proteins. Work will include the rational design of altered structures and the evaluation of their activities in vitro, as well as in vivo in host and transgenic plants. Send at least three letters of reference to: (Position 1) Dr. Dan Roberts, Department of Biochemistry; (Position 2) Dr. Gary Stacey, Department of Microbiology; Center for Legume Research, The University of Tennessee, Knoxville, TN 37996.

POSTDOCTORAL POSITIONS are available for molecular studies in Cell Fate Determination in the Nervous System and in the Heart of Drosophila. A multidisciplinary approach is used for studying neuronal and cardiac development in vivo. A strong background in molecular-genetics is preferred. Applications including curriculum vitae and the names of three references should be sent to: Dr. Rolf Bodmer, Department of Biology, University of Michigan, Ann Arbor, MI 48109. FAX: 313-747-0884. The University of Michigan is an Equal Opportunity/Affirmative Action Employer.

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Advancement in Science Begins at Bio-Rad Laboratories

We are Bio-Rad Laboratories — a world leader in clinical diagnostics and one of the fastest growing companies in California. Continued growth has created several opportunities in major U.S. cities. We are seeking talented scientists who wish to begin their careers in industry.

As a Diagnostics Sales Representative, you will serve in a highly visible position with excellent opportunities for growth and advancement. Career paths include sales and product management leading to general management.

We require a BS or equivalent in a Life Science (MBA, MS or PhD a plus). Successful candidates must be willing to relocate.

We offer a competitive compensation package. Please send your resume to: Bio-Rad Laboratories, Dept. D316, 4000 Alfred Nobel Dr., Hercules, CA 94547. EOE M/F/D/V.

POST-DOCTORAL SCIENTISTS

SmithKline Beecham Animal Health, a world leader in innovative research and development, has openings for Post Doctoral Scientists to join its expanding animal biological research and development team.

Research opportunities exist in virology and immunology for up to two years. The following two positions are available immediately:

MOLECULAR IMMUNOLOGIST

Will focus on epitope identification and characterization of protective immune responses to viral and bacterial pathogens. Requirements include:

- Ph.D. in immunology or biochemistry with experience in analytical protein purification.
- Background in antibody characterization and in-vitro growth of B and T lymphocytes.
- Understanding of protein sequencing and peptide synthesis.

MOLECULAR VIROLOGIST/VIROLOGIST

Will conduct vaccine-related studies on animal retroviruses, canine viruses, and/or bovine respiratory disease viruses. Requirements include:

- Ph.D. in virology or microbiology with significant training in virology.
- Background in viral pathogenesis and immunology.
- Working knowledge of methods in molecular biology.

SmithKline Beecham Animal Health provides a stimulating and challenging work environment based on creativity, commitment and team work. We offer a very attractive compensation, benefit and relocation package.

For confidential consideration, please send your C.V. and name of three references to Mr. Eric Erickson, SmithKline Beecham Animal Health, 601 West Cornhusker Highway, Lincoln, NE 68501-0809.

An Equal Opportunity/Affirmative Action Employer

National Institute of Child Health & Human Development
National Institutes of Health

CHIEF

Contraceptive Development Branch
Center for Population Research

The National Institute of Child Health and Human Development (NICHD) is seeking applicants for the position of Chief, Contraceptive Development Branch (CDB). This position is located in Rockville, Maryland, and is a permanent full-time position with a salary of $64,233 to $83,502 per annum commensurate with qualifications.

The Chief, CDB is responsible for directing, planning, managing and evaluating a program of contracts, grants, and centers conducting research on the development of new and improved methods of fertility regulation. Applicants for this position must have an advanced degree (Ph.D./MD) or equivalent experience in biomedical sciences and have experience in contraceptive development. Experience with NIH programs is desirable. Send Applications for Federal Employment (SF-171) to:

Ms. Robin A. Avent
NICHD/NIH
Building 31, Room 2A25
9000 Rockville Pike
Bethesda, MD 20892

For application forms and a copy of the requirements, contact the NICHD Personnel Office on (301) 496-3365. The deadline for applications is September 12, 1992.

National Institutes of Health
U.S. Citizenship Required
NIH is an Equal Opportunity Employer

Staff Scientists

Peptidomimetics Medicinal Chemistry

Affymax Research Institute is an innovative venture dedicated to the development of new technology which will accelerate the process of drug discovery.

Our success in the creation and screening of large combinatorial chemical libraries has created several openings in our Department of Medicinal Chemistry for Ph.D. Scientists with demonstrated achievement in Peptidomimetic Chemistry. We seek experienced medicinal chemists, with strong synthetic organic chemical backgrounds, who are enthusiastic about pursuing Drug Discovery in a multidisciplinary environment.

Affymax offers many of the benefits of a world class academic environment and the potential to develop new therapeutics. Please refer to Job Code S/EG2 and send your resume to: Affymax Research Institute, 4001 Miranda Avenue, Palo Alto, CA 94304. Equal Opportunity Employer.
**RESEARCH SCIENTISTS**

Hybritech Incorporated, a $100 million subsidiary of Fortune 100 Eli Lilly and Company and a recognized leader in the manufacturing and marketing of in vitro diagnostic tests utilizing monoclonal antibody technology, has two immediate and challenging opportunities for Research Scientists to support our Diagnostics Research and Development division.

One position involves assay and process development of new products. The ideal candidate will have a PhD and industrial experience in the areas of protein biochemistry, immunochemistry, biochemical and/or analytical chemistry. Immunoassay development experience is a plus.

The other position is responsible for guiding development of immunoassays relating to skeletal diseases, including coordination of R&D activities with external companies and collaborators. The successful candidate will have a PhD with training and industrial or academic experience in the areas of bone biology, bone chemistry or related areas. Immunoassay development experience is desirable.

Hybritech offers a stimulating work environment and competitive salaries and benefits. Please send your resume to: HYBRITECH INCORPORATED, Human Resources SM/SCI-7-92/RS, P. O. Box 299006, San Diego, CA 92196-9006. We are committed to diversity in our workforce/EOE.

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**SENIOR AQUACULTURE SCIENTIST, SOLOMON ISLANDS**

The International Center for Living Aquatic Resources Management (ICLARM) is an international, multidisciplinary research and training organization on aquaculture and fisheries in tropical developing countries. It is a member of the Consultative Group on International Agricultural Research (CGIAR). ICLARM’s research is carried out in close cooperation with national programs.

Applications are invited for the position of Senior Scientist and Officer-in-charge of ICLARM’s Coastal Aquaculture Centre in the Solomon Islands.

The appointee will be responsible to the Director, Coral Reef Resource Systems Program, for implementation of research projects concerned with aquaculture and fisheries enhancement in coral reef environments. Activities will include breeding and development of cultivation systems for a variety of tropical marine species. The appointee will also oversee village level farming trials and liaise with and implement collaborative research programs with other research groups in the Indo-Pacific region. Future projects are expected to include research on fisheries enhancement systems for coral reef fish and invertebrates.

The incumbent will also have overall responsibility for the operations and management of the Coastal Aquaculture Centre and supervise the support staff and trainees.

A Ph.D. in an appropriate discipline and considerable experience in research, breeding programs and data analysis is required. Preference will be given to candidates with experience in tropical aquaculture research, project management and work in developing countries.

ICLARM is an equal opportunity employer. Salary and benefits are competitive with those offered by similar international organizations and include subsidized housing, vehicle, assisted education for children, home leave, health and life insurance and a retirement plan contribution.

Applications should reach: Dr. Dan L. Moran, Director (South Pacific), ICLARM, P.O. Box 438, Honiara, Solomon Islands, Fax No. (677) 22130, Tel. No. (677) 20255, before 15 September 1992.

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**FIELD SALES RepresentATIVE**

American Cyanamid is a research-intensive biotechnology and chemical company with strong involvement in the agricultural industry, and currently has openings for both Field Sales Trainees and Sales Representatives. These positions in the Animal Nutrition and Health Department of the agricultural Group offer long-term, management opportunities to qualified, highly motivated professionals.

**FIELD SALES TRAINEE**

We are offering a developmental sales position which will involve selling specific products via the telephone to accounts designated by management. Your objective will be to maximize the profit potential of each account by using judgement and action. You’ll be given all the training required to become a top-notch sales professional, with the corporate support and sales knowledge necessary to be successful.

Initial location is at our Corporate Headquarters in Wayne, NJ; placement into Field Sales is expected within 8-12 months (minimum).

**FIELD SALES REPRESENTATIVE**

You will be responsible for the sale of Animal Nutrition and Health products in an assigned territory. Requirements include familiarity with swine and cattle operations and 2-4 years related sales experience.

Qualifications for both positions include a BS in Business or Animal Science and the strong desire to excel in sales. For confidential consideration, send your resume, indicating salary history and requirements to: AG Personnel, Department FP, American Cyanamid Company, 1 Cyanamid Plaza, Wayne, NJ 07470; Principals only please. We are an equal opportunity employer.

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**Research Scientist**

**Experimental Hematology**

Pro-Neuron, Inc., a development-stage pharmaceutical company, has an immediate opportunity for a qualified senior cell biologist. Responsibilities and qualifications are as follows:

- Conduct analyses of new pharmaceutical agents in vitro and in vivo
- Hematopoietic cell culture assays and isolation of factors from culture
- Ph.D. degree and post-doctoral research experience required

This position will be based initially in the New York City area and will be affiliated with a cancer research center. At the completion of the program (approximately one year), you will be offered an equivalent, permanent research position in our Rockville, Maryland research laboratory.

Pro-Neuron offers a competitive salary and comprehensive benefits package. For immediate consideration, please send your resume to Pro-Neuron, Inc., Human Resources Department (SCI), 1530 East Jefferson Street, Rockville, Maryland 20852.

Pro-Neuron, Inc.

We are an equal opportunity employer.
Leader
Peptidomimetic Chemistry

Affymax Research Institute is an innovative venture dedicated to the development of new technology which will accelerate the process of drug discovery.

Our success in the creation and screening of large combinatorial chemical libraries has created the need for a Leader of Peptidomimetic Chemistry. We seek an exceptional medicinal chemist, with 5-10 years of industrial experience, who will lead a group of scientists engaged in the transformation of peptides to potential drugs. Experience in managing research, an ability to lead others and to productively interact in a multidisciplinary environment required. Demonstrated expertise in peptidomimetic chemistry and possession of a broad knowledge of peptide related medicinal chemistry are essential qualities.

Affymax offers many of the benefits of a world class academic environment and the potential to develop new therapeutics. Please refer to Job Code S/EG1 and send your resume to: Affymax Research Institute, 4001 Miranda Avenue, Palo Alto, CA 94304. Equal Opportunity Employer.

Discover Treatments for the Causes, Not the Symptoms

At Immulogic's research facility in Palo Alto the focus is on understanding the immunological mechanisms that cause various autoimmune diseases. Our goal is to investigate and define these molecular mechanisms involved in autoantigen/HLA cell interactions. The objective is to discover biopharmaceuticals that block autoimmunity in a disease-specific manner. Therapeutic products derived from this multi-disciplinary effort will constitute a novel form of therapy that will conceivably revolutionize the clinical approach to treating diseases like diabetes and rheumatoid arthritis.

PROTEIN CHEMISTS

Molecular Immunology Group. As a member of this group, you will be involved in biophysical studies, exploring conformational changes in ligand-receptor interactions that would encompass primarily mAb, but also a variety of spectroscopic methods, including CD and fluorescence energy transfer. Dept. C(NM).

Molecular Biology Group. Using traditional and novel protein chemistry techniques, you'll join a group currently trying to identify, clone and purify autoantigens important in Type I Diabetes and rheumatoid arthritis. Dept. C(NM).

Candidates must have a Ph.D. in Biochemistry or a related field; at least 2 years of relevant postdoctoral training with expertise in routine methods of protein purification and characterization, and a demonstrated record of success.

We're in a position to offer you exceptional opportunities and support for your professional stature, as well as an excellent compensation and benefits package. Please send your resume, referencing the department to: Human Resources, Immulogic Pharmaceutical Corporation, 855 California Avenue, Palo Alto, CA 94304. An Equal Opportunity Employer.

Molecular and Cellular Pharmacology

Minor Laboratory, Inc., a multidisciplinary biotechnology research corporation, is seeking a recently-graduated scientist for the following position:

POSTDOCTORAL SCIENTIST

The successful candidate will have a Ph.D. and/or an M.D. degree in Pharmacology, Biochemistry, or a related field. Experience in Molecular Biology or Peptide Biochemistry is desirable.

The project will investigate the identification and characterization of novel epitope-related antibodies and peptides and their role in modulating cardiovascular performance.

Minor Laboratories offers a competitive salary with a comprehensive benefits package and the opportunity to work in an environment which fosters continued professional development. Please send CV and three references to:

PROTEIN BIOCHEMISTRY DEPARTMENT
MINOR LABORATORIES, INC.
110 LITTLE FALLS ROAD
FAIRFIELD, NJ 07004

An equal opportunity employer

POSITIONS OPEN

Marine Biotechnology/Molecular Biology
University of Washington
College of Ocean and Fishery Sciences

Two tenure-track positions will be filled in support of a new College initiative in the area of marine biotechnology/molecular biology. Appointees will occupy new state-of-the-art laboratories in the College.

School of Oceanography—Marine Biotechnology (re-opened)

The School of Oceanography invites candidates active in research that applies biotechnology to marine microbes (phytoplankton, bacteria or protozoans) to apply for a senior-level state-funded faculty appointment in the School of Oceanography. In addition to participating actively in research and teaching in marine biotechnology, the successful applicant will act as the School’s liaison to extensive ongoing biotechnological research and teaching programs in other University units, including the Colleges of Engineering, Arts and Sciences, and Forest Resources, the Schools of Fisheries and Medicine, and the Friday Harbor Laboratories, notably on problems of marine bioremediation. Appointment will be as soon as 15 March 1993 as is feasible for the successful candidate. Applicants should send a curriculum vitae, statement of research interest, a list of publications, recent reprints, and the names, addresses and phone numbers of four referees to: Professor A. R. M. Nowell, Director, School of Oceanography, WB-10, University of Washington, Seattle, WA 98195, by 1 October 1992.

School of Fisheries—Molecular Biologist

The School of Fisheries invites applications from molecular biologists with demonstrated ability to apply modern molecular genetic techniques to fisheries problems, such as genetic identification, population structure, aquaculture and seafood product development, or phylogeny of commercially important fishes, mollusks, and crustaceans. The successful candidate is expected to teach courses at the undergraduate and graduate levels; develop a vigorous, externally funded research program; direct graduate students; and provide general molecular/genetics expertise to students, staff, and faculty. This is a 9-month state-funded tenure-track ASSISTANT PROFESSORSHIP in the School of Fisheries, to commence between 1 April and 16 September 1993. Applicants must have an earned doctoral degree. Post-doctoral or equivalent experience is desirable. Applicants should send a curriculum vitae, a statement of research and teaching goals, copies of published papers or manuscripts in press, and names, addresses, and phone numbers of four referees to: Professor Marsha L. Landolt, Director, School of Fisheries, WH-10, University of Washington, Seattle, WA 98195, by 1 October 1992.

The University of Washington is an Equal Opportunity/Affirmative Action employer. Applications from women and minority candidates are strongly encouraged.
RESEARCH ASSISTANT I for educational institution in Northeast Ohio. Duties are: to analyze yeast strain phenotypes by using the techniques of in situ hybridization, monitoring auxotrophic characteristics, crossing yeast strains and tetrad dissection. To microin-ject nucleic acids into Xenopus oocyte nuclei and evaluate the results of these experiments. To keep all related records, analyze the data, and prepare reports, and follow-up experiments. To document results by photomicroscopy. To train new lab members in these procedures. Must have a Ph.D. in Biological and B.S. in Molecular Biology or foreign equivalent as determined by accredited credentialing agency. No experience required in job duties but all applicants must be proficient doing biomedical research experiments in yeast genetics using the techniques of situ hybridization, tetrad dissection and genetic analysis of yeast biology as evidenced by professor or employer written testimonial. Applicant must also have a minimum of one course each in microbiology, biochemistry, pharmacology or neuropharmacology. 37 1/2 hours per week, 8:30 a.m. to 5:00 p.m., Monday to Friday, $497.00 per year. Must have proof of legal authority to work indefinitely in United States. Send resume in duplicate (no calls) to: J. Davies, JO#1200890, Ohio Bureau of Employment Services, PO Box 1618, Columbus, OH 43216.

RESEARCH ASSISTANT III for educational institution in Northeast Ohio. Duties are: to carry out research on the effects of gamma-radiation on the production and repair of DNA protein crosslinks in cultured cells, to conduct experiments on the induction of stress proteins by cells exposed either to gamma-radiation or to photodynamic treatment using electrophoresis and autoradiography; to develop and improve techniques for the above projects, as needed, to assist and collaborate with other members of the laboratory. The position requires a considerable amount of independent work. Therefore, the person named must have a high degree of skill and training in the techniques for isolation and analysis of DNA and proteins and a strong background in radiation biology. No experience required in above duties. Applicants will qualify with B.S. and four years of DNA/Protein research using the techniques of I-125 iodination, electrophoresis, and autoradiography, molecular biology techniques for plasmid purification, Southern and Northern blots and hybridization, photodynamic and radiation induction of DNA damage. Or applicant may have an M.S. in Environmental Health Science or Molecular Biology and two years of research experience in: DNA/Protein studies including detection and isolation of proteins crosslinked to DNA using techniques of I-125 iodination, electrophoresis, and autoradiography, molecular biology techniques for plasmid purification, Southern and Northern blots and hybridization, photodynamic and radiation induction of DNA damage and 2 published papers relating to DNA-protein crosslinks in scientific journals and one graduate level course each in biochemical or biomedical toxicology, microbiology, somatic genetics, statistics in biology, and medical science, risk assessment. Experience may be gained before, during or after degree. 37 1/2 hours per week, 8:30 a.m. to 5:00 p.m., Monday to Friday, $25,200.00 per year. Must have proof of legal authority to work indefinitely in United States. Send resume in duplicate (no calls) to: J. Davies, JO#1200889, Ohio Bureau of Employment Services, PO Box 1618, Columbus, OH 43216.

ENGINEERING RESEARCH ASSOCIATE: Edward L. Ginzent Laboratory. RESPONSIBILITIES: Develop experimental and analytical procedures for the study of vacuum-sustained states, regulated single electron to single electron conversion, quantum-non-demolition measurements in surface-emitting semiconductor lasers. Specific responsibilities include the development of novel experimental techniques for measurement of noise properties of semiconductor lasers. Qualifications: Familiarity with all aspects of semiconductor and quantum-well technology; knowledge of fabrication and preparation of semiconductor microstructures; particular knowledge of squeezing and quantum non-demolition measurement and the experimental techniques to develop such; knowledge of microwave circuit techniques; background in techniques of low-temperature, interferometric, and quantum non-demolition measurement. A Ph.D. in Electrical Engineering is required. Salary will be determined by level of experience. Send resume no later than August 14, 1992, to: Professor Yamamoto, Edward L. Ginzent Laboratory, Mail Code 4085, Stanford University, Stanford, CA 94305.

PROPOSITIONAL PROTEIN RESEARCH SCIENTIST

We are currently seeking a professional who is intrigued and excited about discovery to examine the structural stability of recombinant proteins for the development of therapeutic technology. The ideal candidate will have a Ph.D. in Biochemistry or a related field with 0-5 years of experience in protein chemistry or protein structure-function. Knowledge of protein formulation and/or lyophilization technology is a plus. Good communication skills and a strong publication record are highly desirable.

PROTEIN CRYSTALLOGRAPHY

PhD with training in protein crystallography, including protein purification, crystallization, data collection and processing, structure determination, structure refinement and analysis.

COMPUTATIONAL BIOCHEMISTRY

PhD with training in molecular modeling, computational chemistry, or a related field.

Interested candidates should send their CV, list of publications, a brief statement concerning research interests and three references to: Dr. John W. Erickson, Director, Structural Biochemistry Program.

PROGRAM RESOURCES, INC.

a DynCorp subsidiary

NCI-FCRDC

P.O. Box 4103

Frederick, MD

21702-1201

ECE, MIF

Enzytech

Enzytech, Inc. is a biotechnology company committed to the development of novel drug delivery systems for therapeutic proteins and peptides.

PROCES DEVELOPMENT ENGINEER

The individual selected for this position will be responsible for designing and scaling up new pharmaceutical processes for preparing drug delivery systems. You will be responsible for developing, optimizing and trouble shooting processes, process control and validation, identifying and characterizing process intermediates, and transferring technology to pilot/production scale.

The ideal candidate for this hands-on position must possess a Ph.D in biochemical or chemical engineering and have experience in the development of pharmaceutical processes as well as scale up experience using statistical approaches to experimental design. A thorough understanding of cGMPs and aseptic processing is necessary. Experience with biologicals for pharmaceutical use and a working knowledge of lyophilization is desirable.

Enzytech, Inc. promotes a working environment that is energetic, innovative, and exciting. We offer an excellent salary and benefits package including medical, dental, life insurance, 401(k), and tuition reimbursement. For confidential consideration, please send your resume to: Human Resources, Enzytech, Inc., 64 Sidney Street, Cambridge, MA 02139. An Equal Opportunity Employer.

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POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE
REGULATORY LIPID BIOCHEMISTRY
AND CELL BIOLOGY

A postdoctoral position is available to participate in an ongoing research program focused on the biochemical characterization and cloning of key enzymes that modulate phospholipid synthesis and degradation. Candidates with Ph.D. degree interested in joining a multidisciplinary group applying contemporary techniques of molecular genetics, cell biology, protein purification and antibody production to problems related to the regulation of lipid metabolism should submit their curriculum vitae, reprints and names of three references to: Dr. Charles O. Rock, Biochemistry Department, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38101. An Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE—In Molecular biology to study the function of protein kinase substrates. Requires experience in 1D and 2D SDS PAGE, molecular cloning, genomic and cDNA library screening, in vitro transfections, PCR, Southern/Northern/Western blotting, gel shift assays, RNAs protection studies and handling transgenic animals. Applicant should have Ph.D. in Biochemistry or Biology and at least one year of postdoctoral experience and expertise in protein purification using HPLC and FPLC technique in addition to experience in handling laboratory animals. Applicants who are not U.S. citizens must indicate basis for work authorization in the United States. All résumés must include the Social Security Number. Salary: $23,250 per year; 40 hours per week; 3-5 p.m. Contact: Job Service, 516 North Magoon Street, Durham, NC 27701 or your nearest Job Service Office. Refer to Job Order No. NC 30127/07; DOT Code 090.227-010.

RESEARCH ASSOCIATE—Radiation Oncology. Conduct basic research in human lymphocyte responses to ionizing radiation and chemicals at the cellular, chromosomal and gene levels to study the effects of low doses of ionizing radiation on subsequent exposure to radiation or chemicals. Includes measuring: (1) the quantity and quality of chromosome damage in mutagenically arrested metaphase cells, and in nonmitotic cells using the premature chromosome condensation technique; (2) cell killing and gene mutation induction using a T-cell cloning assay; (3) sister chromatid exchanges using a fluorescence plus Giemsa technique and cohort analysis; (4) alterations in cell cycle stages and progression cytochemistry; (5) lymphocyte growth factors using enzyme linked immunosorbent assay (ELISA) and (6) cell viability using fluorescent microscope analysis. Requirements: M.S. in Biological Science or related field or B.S. in Biological Science (or related field) plus five years of research experience. Experience must include: one year of experience in isolation, activation and long term culture of human lymphocytes and human and mouse cells in vitro or murine assays; six months of laboratory experience in all steps of chromosomal aberrations analysis; laboratory experience with sister chromatid exchange analysis using fluorescence plus Giemsa technique; laboratory experience with light microscope and fluorescent microscope; irradiation of culture cells with low LET ionizing radiation; sample preparation for cell cycle analysis by flow cytometry; experience with ELISA. $22,686 per year. 8:00 a.m. to 5:00 p.m. Must submit evidence of legal authority to work in the United States. Send résumé to: Bernice Kimbrough, 819 North Sixth Street, Milwaukee, WY 53226. J.O. #0556116.

Ph.D.—PHARMACOLOGY

The Product Development Division at Ribi ImmunoChem Research, Inc. invites applications for a position at the Research Scientist II level. Candidates should have expertise in cellular immunology with managerial experience over technical staff. Experience with immunology, virology, in-vitro cytotoxicity, ELISA and immunoblot desirable. The successful candidate will be expected to promote advocacy for vaccine development projects. Applicants must have a Ph.D. in related scientific discipline with two to five years of industry experience. Send letter of interest, curriculum vitae, and three references to: Human Resources Manager, Ribi ImmunoChem, 553 Old Corvallis Road, Hamilton, MT 59840. Equal Opportunity Employer.

Vice President and Provost for Health Affairs and Executive Director
University of Connecticut Health Center

The President and Board of Trustees of the University of Connecticut invite applications and nominations for the position of Vice President and Provost for Health Affairs and Executive Director of the University of Connecticut Health Center. The successful candidate will possess recognized qualifications of leadership and academic achievement to provide for further dynamic development of the Health Center as an institution.

The University of Connecticut Health Center is located in Farmington, Connecticut, seven miles west of Hartford, and is the only campus of the University solely devoted to the health sciences. It is the site of the School of Medicine, School of Dental Medicine, and a division of the Graduate School and offers advanced health professional degrees, doctoral degrees in the biomedical sciences, and fellowship and residency training in a wide range of medical and dental specialties. The Health Center also has major clinical activities with over 275,000 outpatient visits annually. The campus is a significant center for basic, clinical, and behavioral science research activities with greater than $35 million in external funding support annually. The 1981-82 total student enrollment was approximately 1400. The Health Center employs more than 3,800 individuals and the campus annual operating budget is approximately $300 million.

The Vice President and Provost reports to the President and is the chief executive officer responsible for all aspects of the administration of the University of Connecticut Health Center and two hospitals, the John Dempsey Hospital in Farmington and the Uncas on Thames Hospital in Norwich. Candidates should have demonstrated experience in the administration of substantial organizations, preferably in an academic health center environment, have demonstrated skills in development, have doctoral level education, and have a strong record of scholarship and research activity which would qualify them for a faculty appointment in one of the schools. Salary level is competitive.

Applications, accompanied by current résumés, and nominations should be sent to:

Dean Robert Gray
Chair, Vice President Search Committee
Dental Student Affairs Office
MC 3905
The University of Connecticut Health Center
Farmington, Connecticut 06030

Screening will begin immediately and will continue until the position is filled. It is our goal to fill the position as early as January 1, 1993. The University of Connecticut has a strong commitment to the principle of diversity and, in that spirit, seeks a broad spectrum of candidates including women, members of minority groups, and people with disabilities.

DNA PROBE DIAGNOSTICS

Digene Diagnostics is a rapidly growing company dedicated to the development and marketing of DNA probe-based diagnostics. We are seeking creative, energetic and motivated individuals who thrive in a fast-paced team environment to participate in our growth. We currently have the following opportunities:

Senior Scientist—Infectious Disease Diagnostics

Successful candidates will design and develop probe-based diagnostic products for the clinical microbiology marketplace. Responsibilities include cloning and characterization of probes for infectious disease pathogens, development of specimen preparation methods, optimization of assay performance characteristics and the transfer of new products into manufacturing. The position requires hands-on benchwork and creative, critical scientific abilities. Applicants must have a Ph.D. in biochemistry, molecular biology or microbiology with 2-4 years relevant industrial experience.

Molecular Biologist

Responsibilities include development of DNA/RNA amplification technology and development of novel DNA probe detection systems. Applicants must have a Ph.D. or M.S. degree in molecular biology with a minimum of two years experience in DNA probe assay development.

Microbiologist

Responsibilities include design of specimen processing methods, identification of new DNA probes and creation of new infectious disease assays. Applicants must have a Ph.D. or M.S. degree in microbiology with 2 years experience in molecular virology or clinical microbiology.

Product Chemist

Responsibilities include development of conjugation methods, signal detection systems and novel solid phase chemistries. Applicants must have a Ph.D. or equivalent in protein biochemistry with at least 2 years experience in the study of enzyme nucleic acid interactions, enzyme kinetics and the optimization of nucleic acid detection systems.

Product Development Engineer

The successful candidate will bring an engineering background to participate in the development of instrumentation and software for infectious disease diagnostics. Thorough knowledge of fluid handling systems, scientific and mathematical software design are desirable attributes, as is some basic knowledge of biochemistry. Applicants should have 2-4 years experience in the design of biomedical instrumentation.

Please forward your resume to: Digene Diagnostics, Inc., ATTN: Maurine Mazzeo, 2301-B Broadfield Drive, Silver Spring, MD 20904.

An Equal Opportunity Employer
Innovation Through Biotechnology: Genencor Delivers!

Genencor International, Inc. has a proven record — translating state-of-the-art research into successful products. So productive is our pipeline that we’re continually expanding our manufacturing capacities to keep pace with customer demand. In turn, we’re increasing R&D activities in an exciting variety of technologies, including protein chemistry, enzymology, metabolic pathway engineering, process engineering and microbial product expression. Exceptional opportunities now exist in our South San Francisco labs for:

**SCIENTIST.**
Enzymologist with experience in redox enzymes. Experience with oxygenases and/or oxidoreductases preferred. Requires a Ph.D. in enzymology or related field. Post doctoral experience preferred. (Job 1)

**SCIENTIST.**
Strain Development Group. Individual will use molecular and non-molecular techniques to increase the production of enzymes in production strains. Requires a Ph.D. in microbiology, molecular biology or genetics; skilled in biochemistry, microbiology, and fermentation (small scale). Post doctoral experience preferred. (Job 2)

**SCIENTIST.**
Molecular Biologist to work in the Fungal Genetics Group. Experience in gene cloning, PCR techniques, and DNA sequencing required. Experience of prokaryote or lower eukaryote genetics desirable. Requires a Ph.D. plus two to three years of relevant post doctoral experience (Job 3)

**SCIENTIST.**
Individual will be responsible for developing and implementing automated systems for screening of natural microbial isolates, enzymes modified by site directed mutagenesis, novel chemical compounds through the use of robotic systems as well as others. Requires a Ph.D. in microbiology or biochemistry. Experience in automation, analytical chemistry and microbiology needed. (Job 4)

**PROCESS SCIENTIST/ENGINEER.**
A process biochemist responsible for transfer/optimization of processes in the areas of granulation, recovery and liquid formulation. Requires a MS or Ph.D. in biochemical engineering or protein chemistry or related field (plus 3+ years of experience with MS level). Travel 30% internationally. (Job 5)

**PROCESS ENGINEER/SCIENTIST.**
An individual responsible for recovery process development, optimization and technology transfer. Requires a MS or PhD in Chemical Engineering plus 2-3 years of industrial experience. (Job 6)

**RESEARCH ASSISTANT/ASSOCIATE.**
An individual responsible for the Genencor Culture Collections and to work with our Strain Development Group to increase product yields and production strains. Requires a BS or MS in microbiology or related field plus 1-2 years of laboratory experience preferred. Skilled in microbiological techniques and familiarity with basic molecular biology techniques essential. (Job 7)

**RESEARCH ASSISTANT/ASSOCIATE.**
Individual will be responsible for all phases of enzyme production, purification and characterization. Requires a BS/MS in molecular biology with 0-5 years of experience in a multifunctional lab setting. (Job 8)

**RESEARCH ASSISTANT.**
Microbiologist/Biochemist in the Strain Development Group to perform various screening activities in both bacterial and fungal systems. Requires a BS/MS in microbiology, biochemistry or a related field. Two to five years of industrial laboratory experience. (Job 9)

**POST DOCTORAL POSITIONS IN BIOCHEMISTRY.**
1. An individual to clone, express and purify novel oxygenases and develop oxidative biotransformation process. Requires a Ph.D. in biochemistry, chemistry, or equivalent. (Job 10)

2. An individual to work in multifunctional group to isolate and characterize components of the prokaryotic protein secretion apparatus. Requires a Ph.D. in biochemistry. Experience in protein purification, isolation and microsequencing (Job 11)

**POST DOCTORAL POSITION IN STRAIN DEVELOPMENT GROUP.**
An individual to identify and characterize rate limiting steps to the production of heterologous proteins in fungi. Requires a Ph.D. in microbiology or molecular biology. (Job 12)

We offer a competitive compensation and benefits package combined with a challenging and rewarding environment. To apply, please send your resume, listing the job or jobs of interest, to: Genencor International, Inc., Human Resources, Dept. KS, 180 Kimball Way, South San Francisco, CA 94080. We are an equal opportunity employer, M/F/D/V. Women and minorities are encouraged to apply.
Gliatech, Inc.

RESEARCH SCIENTIST
BIOCHEMISTRY/CELL BIOLOGY

Gliatech, Inc., a growing pharmaceutical company dedicated to understanding and utilizing the unique properties of neurological cells in treating nervous system disorders, has an opening for a Research Scientist within our Alzheimer's Disease research program. The position requires a Ph.D. in Biochemistry or Cell Biology and at least two years of post-doctoral research. The successful candidate will have a history of productivity, with prior experience in membrane transport systems and a sound background in protein biochemistry and cell biology. Prior research in the neurological sciences would be desirable, but not required.

Gliatech is located in suburban Cleveland in close proximity to Case Western Reserve University and the Cleveland Clinic. Its collaborative interactions with scientists and clinicians at these and other academic institutions provides an exceptional intellectual environment. Gliatech offers a competitive salary and benefits package, and our location allows access to affordable housing as well as an array of cultural and sports activities. Qualified candidates are encouraged to submit their curriculum vitaes to: Gliatech, Inc., Corporate Recruiting, 23420 Commerce Park Rd., Cleveland, OH 44122.

Postdoctoral Fellowship
Bacterial Antibiotic Resistance

At the Medical Research Division of American Cyanamid, we're making important strides in developing a new generation of therapeutics based on molecular biology and cell-specific mechanisms. We currently have an immediate position available for a Postdoctoral fellow to study molecular mechanisms of antibiotic resistance and related topics.

The project involves both genetic and molecular approaches to study basic questions related to bacterial antibiotic resistance. Opportunities exist to interact on a personal level with a group of molecular biologists, biochemists, and prokaryotic geneticists, working to answer fundamental questions. Applicants must have a Ph.D. in microbiology or molecular biology. Candidates should also have knowledge of prokaryotic genetics and molecular biology.

We are located in Rockland County, 25 miles north of New York City. The salary is fully competitive and includes comprehensive benefits. For consideration, please send your c.v. with the names and telephone numbers of three references to: Dept. BR, Department of Molecular Biology, Lederle Laboratories, Division of American Cyanamid Company, Building 205, Room 214, Pearl River, NY 10965. An Equal Opportunity Employer.

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ASSISTANT RESEARCH BIOCHEMIST position available for Ph.D. in Pharmaceutical Chemistry to participate in ongoing research on the molecular mechanism of drug biodegradation. The incumbent will be expected to design and synthesize the genes required for metabolism and purify the resulting protein. Modifications will be made in the nucleotides of the gene in an effort to understand how the enzymes function in humans. Opportunities for purination and characterization of the metabolites of the drugs will also be necessary. A requirement is the ability to characterize the pharmacology of several drugs and their interactions with relevant proteins and to synthesize design drugs including nucleotides, which are potential inhibitors of selected proteins. Salary range: $41,000 to $43,300. Send letters of interest by September 4, 1992 to: Dr. Waskell, Department of Anesthesia (129) VA Medical Center, 4150 Clement Street, San Francisco, CA 94121. Equal Opportunity Employer.

BIOCHEMIST. Position is available immediately in a start-up biotechnology company to study the isolation, purification, and characterization of vitamin K-dependent proteins. A Ph.D. in biochemistry or related field is required. Excellent publications and experience in protein purification is a must. Send curriculum vitae, publications and three references to: P.O. Box 21492, Bethlehem, PA 18002.

CHEMISTRY POSITIONS available at EPA's Risk Reduction Engineering Laboratory in Cincinnati. One involves developing new methods for the chemical analysis of contaminated soils; the other involves bioremediation of contaminated soils and hazardous waste. Recent college degree in chemistry or soil science preferred. Information: Research Participation Program/EPA, Science/Engineering Education Division, Oak Ridge Institute for Science and Education, P.O. Box 117, Oak Ridge, TN 37831-0117, telephone: (615) 576-3456.

STAFF SCIENTIST—IMMUNOBIOLOGY Challenging opportunity for highly motivated scientist experienced in Immunology and cell biology. You will participate in an aggressive cell biology research program dealing with organ transplantation and the development of cultured tissues for research and clinical use, and manage a clinical Immunology group response for the immunological assessment of ongoing clinical trials. The ideal candidate will possess a good working knowledge of transplantation Immunology, mammalian cell biology and have experience in performing immunological assays such as ELISA and M.R. Ph.D. required. Two to four years of postdoctoral preferred experience. Interested applicants should send resume to: Organogenesis Inc., 83 Rogers Street, Cambridge, MA 02142.

U.S. DEPARTMENT OF ENERGY (DOE) MOLECULAR BIOLOGIST DOE's Office of Health and Environmental Research in the Office of Energy Research is seeking a Molecular Biologist (GS-401-14/15) with a high degree of knowledge and understanding of molecular genetics research and the policy implications of such research. Responsibilities include technical administration for a broad and complex program of research in molecular biology designed to provide basic and applied information in support of health effects research and the basic life sciences and human genome missions within the Health Effects and Life Sciences Research Division. Contacts are with industry, universities, national/international laboratories, Congresses, industry and the public. U.S. citizenship required. Salary range for GS-14 is from $54,607 to $70,987 and for GS-15 from $73,330 to $83,502. Send letter of interest and application to: Chief, Personnel Office, Mail Stop SF-171, application for Federal employment, or direct inquiries to: Stephanie Chaconas, Genetic Resources Division, SSE, AD-533.5, U.S. Department of Energy, Washington, DC 20585; telephone: (301) 903-4980. Applications accepted through September 4, 1992. The Department of Energy is an Equal Opportunity Employer.

POSITIONS OPEN

MOLECULAR-CELLULAR NEUROBIOLOGIST. The Division of Neurology at the Los Angeles County /UCLA Medical Center, a teaching institution affiliated with the University of California, invites applications for two postdoctoral appointments in the research laboratory of a Ph.D. or M.D. and three or more years of postdoctoral training, and demonstrated excellence, originality and productivity in molecular biology approaches to neurobiology. A requirement is the ability to characterize the pharmacology of several drugs and their interactions with relevant proteins and to synthesize design drugs including nucleotides, which are potential inhibitors of selected proteins. Salary range: $41,000 to $43,300. Send letters of interest by September 4, 1992 to: Dr. Waskell, Department of Anesthesia (129) VA Medical Center, 4150 Clement Street, San Francisco, CA 94121. Equal Opportunity Employer.

RESEARCH TECHNICIAN II. IC1 Seeds, one of the nation's leading seed suppliers, is seeking an individual to work in the area of applied research to develop techniques for improving the tolerance of plants to environmental stress. Tolerance an individual that has a strong background in plant physiology or agronomy, with experience in measuring whole plant responses to environmental stress. Requires a B.S. or M.S. preference in Botany, Biology, Plant Physiology or Agronomy. Full-time position. Benefits: Send letter of application and résumé to: IC1 Seeds, Dr. John Greaves, Box 500, Slater, IA 50244. Equal Opportunity Employer.

RESEARCH SCIENTIST DIVISION CANCER RESEARCH The Division of Cancer Research at Ribi Immunochem Research, Inc. invites applications for a position at the Research Scientist level. Candidates should have expertise in cellular immunology and cancer research to study aspects related to tumor antigen identification and isolation. Applicants must have a Ph.D. plus two years of postdoctoral experience. The successful candidate will be expected to participate in ongoing research projects and to develop an independent program in the area of cancer immunotherapy. Send letter of interest, curriculum vitae, bibliography and three references to: Human Resources Manager, 553 Old Corvallis Road, Hamilton, MT 59840. Equal Opportunity Employer.

Germplasm Documentation/Computing Technology, SCIENTIST/SENIOR SCIENTIST required by the International Board for Plant Genetic Resources (IBPGR) at its headquarters in Rome, Italy.

Working in the area of plant germplasm documentation, this position ensures availability, security and management of IBPGR's LAN-based computing resources. Computer facilities include PC-based LAN under Novell 3.11 supporting 45 staff in headquarters. Computer services are based on a limited basis to seven offices in developing countries. The incumbent works closely with the Documentation Methodology and Application Specialist, with a large degree of functional interchangeability. Degree in biological or agricultural science and a higher degree. Extensive experience in using computers, preferably including formal training or experience in the development: medical, biology and agricultural databases. Comprehensive knowledge and experience of at least one type of LAN, experience in independent operating as a team member in a multicultural environment. Fluency in English, and proven ability to write scientific articles. Terms of contract: renewable. Salary is competitive, including pension, insurance, children's education, cost of living and housing allowances and annual home leave travel. Candidates should immediately submit letters of interest, curriculum vitae, references, salary requirements, fax or Email only, to: The Director, IBPGR, Via delle Sette Chiese 142, 00145 Rome, Italy. Fax: 39-6-5750309. Telephone: 36-6/5744719. Email: AGG1101 or IBPGR.

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THE CENTER FOR INDOOR AIR RESEARCH POSTDOCTORAL FELLOWSHIP PROGRAM The Center for Indoor Air Research (CIAR) is accepting applications for the CIAR Postdoctoral Program. The purpose of this program is to further develop the scientific productivity of outstanding young men and women pursuing careers in indoor air research and to stimulate interest in entering the field of indoor air research among individuals with strong backgrounds in related or allied sciences. For details and application brochure, write or call: Center for Indoor Air Research Postdoctoral Fellowship Program 1099 Winterson Road, Suite 280 Linthicum, MD 21090 Telephone: (410) 684-3777 Deadline for receipt of applications: October 31, 1992.

MEETINGS

PROGRAM IN MATHEMATICS AND MOLECULAR BIOLOGY III COMPUTATIONAL APPROACHES TO NUCLEAR ACID STRUCTURE AND FUNCTION Santa Fe, New Mexico, November 7 to 11, 1992. For more information see full ad, Science issue of April 10, 1992, page 278. Abstract deadline: September 15. For information contact: FMMB, 103 Donner Laboratory, University of California, Berkeley, CA 94720. FAX: (510) 642-4071. sfvijay@violet.berkeley.edu.

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