**PERSONNEL PLACEMENT**

**LINE CLASSIFIED ADVERTISEMENTS**

- **Deadlines:** Ads are due by Thursday, 10 a.m., 2 weeks prior to the issue date. Science is published each Friday, except the last Friday of the year. Call for holiday deadlines. Advertisements must be submitted in writing.

- **How to Submit a Classified Ad:** Prepare a typeset or typewritten copy. Do not include any abbreviations. Science will edit and typeset ads according to Science guidelines. Include billing information, and desired publication date. Available categories: Positions Open, Meetings, Announcements, Courses and Training.

- **Mail or FAX materials to:**
  Science Classified Advertising
  1333 H Street, N.W., Room 814
  Washington, DC 20005
  Telephone: 202-326-6555
  FAX: 202-682-0816

- **Rates:** Ads are $42 per line; $420 minimum. One line equals 52 characters and spaces; centered headings equal 32 characters and spaces. A 3% cash discount is granted to all prepaid ads.

- **Ads from Outside the U.S.:** A discount of $30 will be offered to advertisers making payment in U.S. dollars by checks drawn on U.S. banks. Contact Annemarie Vis at +44 223 424685 (24-hour FAX and phone).

- **Credit Cards:** Science accepts MasterCard and VISA. Discount does not apply to credit cards.

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

**DISPLAY PERSONNEL ADVERTISEMENTS**

For rates and info. about fractional display ads (all ads ¼ page and larger), contact:

Recruiting Advertising
Deborah Cummings
Telephone: 202-326-6541

Janis Crowley, Recruiting Advertising Manager
Telephone: 212-496-7704
FAX: 202-682-0816

Annemarie Vis
European Recruiting Advertising
+44 223 424685
(24-hour FAX and phone)

**CONDITIONS:** Personnel advertising is accepted only with the understanding that the ad will be designated among applicants on the basis of race, sex, religion, age, color, handicap or sexual preference. The AAAS encourages employers to actively recruit and employ underrepresented minority groups. Science reserves the right, at its discretion, to decline to publish advertisements submitted to it.

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**POSITIONS OPEN**

**FACULTY POSITION IN PROTEIN CHEMISTRY**

**DEPARTMENT OF MOLECULAR BIOTECHNOLOGY**

The Department of Molecular Biotechnology, University of Washington, will be seeking applicants with a Ph.D. in protein chemistry for a faculty position in protein chemistry. Appointments at ASSISTANT, ASSOCIATE or FULL PROFESSOR will be considered. The successful applicant is expected to develop a vigorous research program in protein chemistry and technology development with particular emphasis on new technologies to complex biological systems. The successful candidate will have a Ph.D. or M.D./Ph.D. and a strong commitment to teaching and research. Requested application materials include: curriculum vitae, letters of recommendation, and a statement of previous and anticipated research interests.

**Dr. John B. Yates**
Department of Molecular Biotechnology, BF-20
University of Washington
Seattle, WA 98195

The deadline for receipt of materials is June 15, 1993.

_The University of Washington is an Equal Opportunity/Affirmative Action Employer._

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**THE UNIVERSITY OF WASHINGTON**

**THE UNIVERSITY OF WASHINGTON**

**THE UNIVERSITY OF WASHINGTON**

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**POSITIONS OPEN**

**EDUCATION TWO TENURE-TRACK FACULTY POSITIONS IN BIOLOGY**

**UNIVERSITY OF DELAWARE**

**Position I. ASSISTANT PROFESSOR in CELL BIOLOGY**

Preference will be given to applicants with research experience in the biology of membrane receptors. Teaching responsibilities include a course in molecular or cell biology, and an advanced course in herz's specialty.

**Position II. ASSOCIATE or FULL PROFESSOR in CELL PHYSIOLOGY**

Preference will be given to applicants with research experience in membrane ion transport. Teaching responsibilities include being coordinator of and teaching half of a two-semester course in human physiology for advanced undergraduates, and an advanced course of herz's own design.

The successful candidates will be expected to develop fundable research programs with broad evolutionary perspectives and using cellular/molecular approaches. Candidates must have a Ph.D., at least two years of postdoctoral experience and complement existing faculty research strengths. Applicants should submit by May 7, 1993, a cover letter indicating position desired, curriculum vitae, three letters of recommendation, copies of key reprints, present and future research plans, and teaching experience and philosophy. Searches are being conducted for a position in Cell Physiology and an Equal Opportunity Employer which encourages applications from minority group members and women.

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**PLANT PHYSIOLOGY**

**THE OHIO STATE UNIVERSITY**

We seek a Ph.D. plant physiologist for a 9-month, tenure-track position at the ASSISTANT PROFESSOR level. The successful applicant shall develop a modern, externally funded research program. Postdoctoral experience is expected. This position also requires the direction of graduate students, the teaching of an advanced course in the person's specialty, and contributions to the department's lower-division offering. Send curriculum vitae, reprints, statements of research interests and teaching philosophy, and three letters of reference to: Dr. Roger P. Hangarter, Search Committee, Department of Plant Biology, The Ohio State University, 1735 Neil Avenue, Columbus, OH 43210. The University of Delaware is an Equal Opportunity Employer. Applications are due to: Dr. Roger P. Hangarter, Search Committee, Department of Plant Biology, The Ohio State University, 1735 Neil Avenue, Columbus, OH 43210. The University of Delaware is an Equal Opportunity Employer.

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**FACULTY POSITIONS DEPARTMENT OF THE GEOGRAPHICAL SCIENCES**

The department hopes to make two new faculty appointments over the next year. Preference will be given to candidates at the Assistant Professor level, although tenured appointments are possible in exceptional cases. The University includes paleoecology, paleontology, hydrology, geomorphology, physical geography, and remote sensing. We seek outstanding candidates whose research specialties complement, but do not duplicate, those currently in the department. Considerations in selection of new faculty are (1) demonstrated excellence in research and (2) effectiveness in teaching at the graduate and undergraduate levels. Successful candidates will be expected to build independent research programs, supervise research by students, and make significant contributions to one of the areas of the earth, oceanic, atmospheric, or physical sciences. Applications are invited for both a tenure-track position in Geographical Sciences, The University of Chicago, 5734 South Ellis Avenue, Chicago, IL 60637. The University of Chicago is an Equal Opportunity/Affirmative Action Employer.


**POSITIONS OPEN**

**ASSISTANT/ASSOCIATE PROFESSOR VERTEBRATE/WILDLIFE ECOLOGY**

Applicants should have a Ph.D., publications, teaching experience and commitment to integrating theoretical and applied aspects of ecology, conservation and management in the classroom, a curriculum vitae, appropriate reprints, statements of teaching philosophy and research interests, and the names of at least 3 references by June 9, 1993 to: J. M. Packard, Dean of the College of Natural Resources, Texas A&M University, College Station, TX 77843-2258. TAMS is an Affirmative Action/Equal Opportunity Employer and welcomes applications from qualified women and minorities.

The Wheaton College Biology Department is seeking applications for an ecologist, ASSISTANT or ASSOCIATE PROFESSOR level, whose expertise might include one or more of the following: invertebrate biology, quantitative ecology, ecosystem systems, physiological ecology. The individual would be expected to teach general ecology, Environmental Science, Contempo- rary Issues in Biology, introductory majors and non-majors courses as well as courses at the Wheaton College Science Station in the Hills of South Haven, Michigan. The search will be conducted through April 30, 1993. Application forms should be requested and nominations sent to: Chair, Biology Search Committee, Wheaton College, Wheaton, IL 60187 by April 16, 1993. Wheaton is a Christian liberal arts college in the broad evangelical tradition and complies with federal and state guidelines for non-discrimination in employment. Women and minority candidates are encouraged to apply.

**AQUATIC ECOLOGISTS**

The Department of Biology at the University of Toledo invites applications for two tenure-track positions in aquatic ecology, one at the FULL OR ASSOCIATE PROFESSOR level, the other at ASSISTANT PROFESSOR rank. Successful candidates will be expected to contribute to the undergraduate and graduate instruction, and to participate actively in the growth of a highly focused research and education program on Lake Erie. We especially welcome candidates studying toxicology, wetlands ecology, or dynamic processes involving sedi- ment and benthos. Competitive salaries, facilities and start-up funds are available. Submit curriculum vitae, descriptions of research interests and accomplishments, three letters of recommendation immediately to: Chair, Ecology Search Committee, Department of Biology, University of Toledo, Toledo, OH 43606. Applications are invited from candidates of Compatible Education/Equal Opportunity Employer, M/F/D/V. Women and minorities are encouraged to apply.

**AMERICAN INSTITUTE OF BIOLOGICAL SCIENCES (AIBS) seeks an EXECUTIVE DIRECTOR to serve as an articulate spokesperson and advocate for the biological sciences in Washington and nationwide; to have the administrative and financial responsibility for AIBS, including working with the Board of Directors to set policies and program priorities; to serve as a spokesperson for the Tolleson Project, a profession- al staff of approximately 35 persons; to lead AIBS programs such as the large annual meeting, the Special Science Program, and the publication of BioScience; and to attract funding for special projects. Qualifications: Applicants should preferably have a Ph.D. in the biological sciences or a closely related discipline, and 10 years of professional experience in the biological sciences, and considerable experience with the executive and legislative branches of the federal government for the research enterprise, and well-developed communication, interpersonal and writing skills. In addition, applicants must have demonstrated the ability to help achieve the goal of providing a multidisciplinary organization in an innovative manner. Applications: Applicants should submit a letter of intent, résumé, and the names of five referees by March 25, 1993. Inquiries and applications should be addressed to: Paul Q. Risser, President’s Office, Rombouleau Hall, Miami University, Oxford, OH 45065. AIBS is an Equal Opportunity/Affirmative Action Employer.

**POSITIONS OPEN**

**PROJECT DIRECTOR**

Western Hemisphere Cooperation Project
Directorate for International Programs

The Directorate for International Programs of the American Association for the Advancement of Science (AAAS) is seeking candidates for the Project Director, Western Hemisphere Cooperation Project (WHC). AAAS is the nation’s leading general science and engineering association. The WHC is responsible for managing its activities, involving symposia, networking, joint studies, and other cooperative projects; AAAS has direct interaction with scientists and institutions throughout the region. The WHC director is responsible for managing cooperative projects, with counterpart organizations in the Western Hemisphere, serving as primary AAAS liaison to the international scientific communities of Latin America; organizing and convening symposia on scientific topics of relevance to the Western Hemisphere; coordinating external support for WHC activities; providing expert advice and counsel to AAAS officers regarding cooperation with Latin American counterparts; monitoring special issues and trends in science in the region; and coordinating international scientific and educational initiatives and activities. The WHC director will be an experienced manager in Latin America and have knowledge of the language, culture, and administrative practices of the region. Applications are invited from candidates with a Ph.D. in science, engineering, or economics, with more than 5 years of experience managing programs and projects in Latin America. Salary range is $45,000 to $60,000, plus benefits. Applications should include a letter of interest, résumé, and three references. The AAAS invites applications for the position by April 16, 1993, to: Mr. Thomas F. Gans, Visitor Services, AAAS, 1515 H Street, N.W., Washington, DC 20005. AIBS is an Equal Opportunity/Affirmative Action Employer.

**WETLANDS ECOLOGIST/DIRECTOR**

The Conservancy, a regional nonprofit conservation organization, invites applications for the Director position of its Environmental Protection Division. Requirements for the position include a Ph.D. in ecology with emphasis in applied wetlands ecology/hydrology especially of subtropical systems, and experience in leadership, administration, and grant-writing. Send application letter, curriculum vitae, and three references by May 15, 1993, to: Mr. Allison E. Hockett, Human Resources Department, 1450 Merritt Drive, Naples, FL 33942. Equal Opportunity/Affirmative Action Employer.

**CURATOR/TROPIC WORLD**

Requires Master’s degree in biology, zoology, or related field; advanced degree in vertebrate social behavior preferred. Plans and directs the management of all programs and operations of Tropic World (a multi-mammal and bird-centered facility with a large collection of primates), and other assigned areas in accordance with the Zoo’s strategic plan. Consults with other staff regarding behavioral issues. Applications (by May 16, 1993) to: Ms. Alison French, Director, 1450 Merritt Drive, Naples, FL 33942. Equal Opportunity/Affirmative Action Employer.

**PLANT MOLECULAR BIOLOGIST**

The Department of Horticultural Science at North Carolina State University invites applications for the position of ASSISTANT or ASSOCIATE PROFESSOR in the Department of Horticultural Science. Applicants are sought for a 12-month, tenure-track position. The successful candidate will be expected to develop a broad-based research program with expertise in the use of molecular techniques to investigate physiological and genetic processes relevant to horticultural crops. Basic qualifications include a Ph.D. in plant science with interest and broad training in molecular plant physiology/biochemistry and genetics. Write or call: Dr. T. J. Monaco, Department of Horticultural Science, Box 7609, North Carolina State University, Raleigh, NC 27695-7609 (Telephone: 919/515-3131 or FAX: 919/515-7747) for applications. Applications deadline is June 1, 1993. North Carolina State University is an Equal Opportunity/Affirmative Action Employer.

**PHARMACEUTICAL DEVELOPMENT REGULATORY AFFAIRS CLINICAL TRIALS**


**FACULTY POSITION IN FOOD MICROBIOLOGY**

The Department of Food Engineering and Biotechnol- ogy at the Technion-Israel Institute of Technology, Haifa, is looking for applicants for a tenure-track posi- tion of Assistant Professor. Applicants with a strong background in microbiology, after postdoctoral training are invited to submit curriculum vitae, research and teaching statements, names and addresses of three professional references. Proficiency in Hebrew for teaching is mandatory. Applications should be sent by May 14, 1993, to: Professor Uri Cogan, Head, Department of Food Engineering & Biotech- nology, Technion—Haifa, Israel.
**Faculty Positions in Behavioral Neuroscience**

**Several faculty positions are available in the Laboratory of Behavioral Neuroscience, Department of Psychiatry, University of Massachusetts Medical Center.**

Successful candidates will be expected to conduct an active, extramurally funded research program. Particular consideration will be given to scientists with backgrounds in neurochemistry, electrophysiology, and molecular neurobiology. All applicants will be required to develop an integrative approach to examine the biological basis of psychiatric disorders. It is important that prospective candidates have a cooperative attitude and the ability to work in an open laboratory setting. These are primarily research positions with some teaching responsibilities. Faculty rank commensurate with experience.

Applications should include curriculum vitae, a statement of research interests, documentation of grant support, and the names and addresses of three references. Send materials to:

Craig F. Ferris, Ph.D.
Director, Laboratory of Behavioral Neuroscience
Department of Psychiatry/ST-823, University of Massachusetts Medical Center
55 Lake Avenue North, Worcester, MA 01655

The University of Massachusetts Medical Center is an Equal Opportunity/Affirmative Action Employer.
POSITIONS OPEN

NEUROBEHAVIORAL POSTDOCTORAL POSITIONS

Positions are available for an interdisciplinary neuropsychobiological research training program. The program objectives are to facilitate the development of investigators who are familiar with the integrated concepts of neuropsychobiology. Related concepts integrated into the program include molecular genetics, neuropsychobiology, behavioral pharmacology (including AIDS), and in vivo metabolic imaging. In addition to the intensive research experience in one or more laboratory disciplines, conceptual issues are addressed in seminars. For a catalogue of opportunities and application forms, contact: Dr. Everett H. Ellinwood, DUKE UNIVERSITY MEDICAL CENTER, P.O. Box 3870, Durham, NC 27710. Duke University is An Equal Opportunity/ Affirmative Action Employer.

INTEGRAL MEMBRANE PROTEINS

POSTDOCTORAL POSITIONS are available for studies of the molecular structures and mechanisms of several integral membrane proteins including the human and parasite multidrug resistance drug transporters, the human cytosic fibrosis transmembrane conductance regulator, and the fungal plasma membrane H+-ATPase. Research will involve both biochemical and molecular biological approaches. Send curriculum vitae and names of three references to: Dr. Gene A. Scarborough, Department of Pharmacology, CB #3766, P.F.O.B., University of North Carolina, Chapel Hill, NC 27599. Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study activation and desensitization of N-methyl-D-aspartate (NMDA) receptors. Applicants should have some experience with whole-cell or single-channel recording. Send curriculum vitae and names of three references to: Dr. Barry Pallotta, Department of Pharmacology, UNC-CH, CB #7265, Chapel Hill, NC 27599. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION in the Department of Neurology, University of California, San Francisco, to study calcium channels and neural differentiation. Background in signal transduction and experience with calcium imaging or molecular biology strongly preferred. Interested candidates please send a description of prior research experience and three letters of reference to: Dr. Robert O. Messing, M.D., Building 1 Room 101, 1001 Potrero Avenue, San Francisco, CA 94110.

POSTDOCTORAL POSITION available summer/fall 1993 to investigate molecular mechanisms involved in regulation of cell adhesion. Experience in protein chemistry, cell biology or molecular biology desirable. Send curriculum vitae and names of three references to: Dr. Michael Forage, Department of Cellular and Molecular Physiology, Tufts University School of Medicine, 136 Harrison Avenue, Boston, MA 02111. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION Position available immediately to study the use of low density lipoproteins as drug delivery agents. Experience in lipoprotein isolation, characterization and biochemistry required. Please send curriculum vitae and names of three references to: Dr. Stephen B. Kahl, Department of Pharmaceutical Chemistry, University of California, San Francisco, CA 94143-0446. FAX: 415-476-0688.

MOLECULAR BIOLOGISTS

Two POSTDOCTORAL POSITIONS are available to study the mechanism by which baculovirus serine protease inhibitors block viral replication (J. Virol. 67:2149 & 2168). Send resume to: Dr. Lois K. Miller, Department of Genetics, University of Georgia, Athens, GA 30602; FAX: 706-542-2279.

POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITION IN NEUROLOGY, University of Maryland School of Medicine, Baltimore, MD 21205. The University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITION BONE BIOLOGY

Opening for a POSTDOCTORAL FELLOW in bone cell biology in the Department of Orthopedics and Rehabilitation, Yale University School of Medicine. The focus of research will be on interactions between the skeletal, hematopoietic and immune systems. Within this general framework, specific emphasis is on the following areas: regulation of osteoblast/cytokine systems by growth factors; interaction between osteoblasts and osteoclasts, and analysis of osteoblast development. This position is currently funded by grants from the National Institutes of Health. Candidates should be U.S. citizens or permanent residents with Ph.D., M.D., D.D.S. or D.V.M. and a working knowledge of one of the following: cell biology; molecular biology; Biochemistry. Competitive salary and benefits. Send curriculum vitae, names of two references and statement of research interests by June 30, 1993, to: Marc Skowronski, Ph.D., Yale University School of Medicine, Department of Orthopedics and Rehabilitation, 333 Cedar Street, New Haven, CT 06510.

POSTDOCTORAL FELLOW

Postdoctoral fellow with 1 to 3 years of experience to work on a multi-disciplinary research project involving zymogens/macrophages and lipid peroxidation in women. Molecular biological experience (expression of genes in eukaryotic cells) essential. Experience related to cytokines/ growth factors and/or lipid peroxidation, antioxidants or in situ hybridization techniques preferred. Position available July 1, 1993. Send resume and names of two references to: North Parthenas/Pearl Department of Gynecology and Obstetrics, University of Miami School of Medicine; Thomas K. Glenn Memorial Building; 69 Butler Street, S.E.; Atlanta, GA 30303.

POSTDOCTORAL FELLOWSHIPS IN IMMUNOLOGY

1994–1997 The Irvinngton Institute for Medical Research will award up to ten (10) postdoctoral fellowships in immunology to those with less than three years of experience in the field. The fellowships will be awarded for basic immunologic research.

The Institute will provide an annual stipend of $23,000, $25,000, and $27,000 for years one, two, and three, with an additional $2,000 each year paid directly to the host institution to help cover the costs of health insurance, travel and supplies. Applications will be accepted until January 1, 1994. Applications may be obtained by writing to: Fellowship Coordinator, The Irvinngton Institute for Medical Research, 120 East 56th Street, #340, New York, NY 10022 USA. FAX: (212) 758-8958.

POSTDOCTORAL RESEARCH ASSOCIATE POSITION MAYO CLINIC

Department of Laboratory Medicine and Pathology is soliciting applications for basic laboratory research associates to work closely with the Director of the Assay Signal System Core Laboratory. Responsibilities of this research position include the development of novel methods using chemi- and bio-luminescence and to aid in the development of clinical assays using these technologies. Applicants should have M.D. or Ph.D. with a thorough background in immunochemistry or clinical chemistry. Familiarity with chemi- and bio-luminescence techniques is advantageous but not absolutely required. Initial appointment will be for 1 year, with option to extend for a second year. Please send resume, publications and three letters of recommendation to: May 15, 1993. Director, Core Laboratory for Assay Signal Systems Department of Laboratory Medicine and Pathology Mayo Clinic Rochester, MN 55905, U.S.A.

Mayo Foundation is an Affirmative Action and Equal Opportunity Employer and Educator.

MECHANICAL ENGINEER

RESEARCH ASSISTANT to work with a team of professionals to develop computerized tools for energy analysis, daylighting and ventilation studies, and industrialized housing systems in Eugene, Oregon. M.S. or Ph.D. in mechanical engineering or equivalent with five (5) years of experience required, expertise with energy analysis software, including DOE 3, programming and project management. Familiarity with building codes, thermal analysis, HVAC, electrical, water and waste systems preferred. Design and construction and thermal testing is highly desirable. Salary $35,000 to $40,000 annually, depending on qualifications. Experience must include permanently working in the United States. Response due by April 30, 1993. Send resume to: Employment Division, Attention: Job Number 5550466, 875 Union Street N.E., Room 201, Salem, OR 97311.

POSTDOCTORAL POSITION available for an Organic, Medicinal, or Biochemistry Ph.D. to develop techniques to sequence poly saccharides and to understand carbohydrate-protein interactions. Background in carbohydrate chemistry, electron microscopy/bio-luminescent sequencing, enzymology and NMR desirable. Ability to work across disciplines essential. Women and minorities are encouraged to apply. Salary $24,000 plus fringe benefits. Send resume and two letters of reference to: Professor Robert J. Linhardt, Division of Medicinal and Natural Products Chemistry, College of Pharmacy, University of Iowa, Iowa City, IA 52242. The University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW IN IMMUNOGENETICS

Position available in NIH- and USDA-funded laboratory to investigate host mechanisms of resistance to bovine leukemia virus infection. The applicant should have a strong background in immunology and experience with T-cell proliferation assays, flow cytometry and PCR. This is an excellent opportunity to work on a unique animal model of human renal diseases in state-of-the-art facilities. Interested applicants please send letter of interest, curriculum vitae and the names of three referees to: Dr. Harris A. Lewis, Department of Animal Sciences, University of Illinois, 206A Plant and Animal Biotechnology Laboratory, 1201 West Gregory Drive, Urbana, IL 61801. FAX: (217) 244-5617. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

FOUR POSTDOCTORAL FELLOWSHIPS AT THE FIB-FUNDACION VALENCIANA DE INVESTIGACIONES BIOMEDICAS

One-year, renewable: 2,100,000 Pes per annum, starting before December 1993. Research topics: morphogenesis and pathogenicity in microcopic fungi; characterization of Goodpasture's antigen; systems and mechanisms of intracellular proteolysis; molecular enzymology of viral and phage-encoded mechanisms of toxicity of alcohol and ammonia; regulatory mechanisms of gene expression; biological signal transduction. Candidates should have carried out research outside Spain for at least one of the last four years. Send before May 15, 1993, full curriculum vitae, names of 2 referees, and letter of application to: FIB, 50 Valencia, Spain. Telephone: 34-6-3898500; FAX: 34-6-3601453.
The Department of Biomedical and Environmental Health Sciences invite applications for a tenure-track position in epidemiology at the Assistant Professor level, beginning as early as January 1, 1994. The successful candidate is expected to develop and maintain an active research program and to participate in the teaching program, including the supervision of doctoral thesis research. The area of specialization within epidemiology of the successful candidate is less important than the candidate's potential to develop an independent research program.

Candidates should have a doctoral, medical, or equivalent degree and evidence of research experience in epidemiology.

Applicants should send their curriculum vita and the names and addresses of three references to:

Professor Arthur Reingold
Chair, Search Committee for Epidemiologist
Department of Biomedical & Environmental Health Sciences
School of Public Health
University of California
140 Warren Hall
Berkeley, CA 94720

Deadline for application is August 15, 1993.

THE UNIVERSITY OF CALIFORNIA IS AN EQUAL OPPORTUNITY, AFFIRMATIVE ACTION EMPLOYER.

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FACULTY POSITION
IN EPIDEMIOLOGY
Department of Biomedical and Environmental Health Sciences
School of Public Health
University of California, Berkeley 94720

The Department of Biomedical and Environmental Health Sciences invite applications for a tenure-track position in epidemiology at the Assistant Professor level, beginning as early as January 1, 1994. The successful candidate is expected to develop and maintain an active research program and to participate in the teaching program, including the supervision of doctoral thesis research. The area of specialization within epidemiology of the successful candidate is less important than the candidate's potential to develop an independent research program.

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Department of Biomedical & Environmental Health Sciences
School of Public Health
University of California
140 Warren Hall
Berkeley, CA 94720

Deadline for application is August 15, 1993.

THE UNIVERSITY OF CALIFORNIA IS AN EQUAL OPPORTUNITY, AFFIRMATIVE ACTION EMPLOYER.

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BIOCHEMIST/
MOLECULAR
BIOLOGIST

Upjohn Laboratories is currently seeking a qualified individual to perform experiments utilizing biochemical and molecular biology techniques. Applicants must possess a BS/MS degree and a strong background in biochemistry and molecular biology, as the research will require a broad range of technical skills from these areas.

Hands-on experience in protein biochemistry methodology (e.g., enzyme assays, protein purification, HPLC, SDS gel electrophoresis) and fundamental techniques in recombinant DNA technology (e.g., PCR, DNA sequencing, site-directed mutagenesis, cloning & expression in bacteria) will be important. Familiarity with tissue culture techniques including gene expression in mammalian cells would be a plus.

Upjohn offers a promotion system which recognizes performance, experience and training, and a compensation program which rewards high-caliber employees through merit and cost-of-living increases. Benefits include medical, dental and life insurance coverage, paid vacation & holidays, and matching stock contributions. For consideration, please send your resume to The Upjohn Company, Attn: Corporate Recruiting, Position Code #154, 7000 Portage Road, Kalamazoo, MI 49001. Equal Opportunity Employer.

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Director
X-RAY CRYSTALLOGRAPHY

The PARKE-DAVIS Pharmaceutical Research Division of Warner-Lambert Company has an immediate opening in the Chemistry Department to start-up and direct a new X-ray crystallography facility. The successful candidate will join experienced teams of dedicated Computer-Assisted Drug Design and protein NMR experts, taking advantage of their current state-of-the-art computer hardware and software. The position involves opportunities for extensive collaboration with scientists in most drug discovery programs as well as with members of various biological departments. The establishment of this X-ray crystallography group at PARKE-DAVIS complements the existing array of technologies already applied to structure-based design of novel pharmaceutical agents.

We are seeking a highly motivated researcher with a Ph.D. in a relevant discipline and a strong background in the practical aspects of macromolecular X-ray crystallography, including crystallization, data acquisition, structure solution and refinement, and molecular modeling. Academic or industrial experience exemplifying additional skills in biochemistry, molecular biology, protein purification and characterization, and biophysics are desirable.

Interested individuals should submit their resume to Box JDM-CHX, Human Resources Department, PARKE-DAVIS Research Division, Warner-Lambert Company, 2800 Plymouth Road, Ann Arbor, MI 48105. "Smoke-Free Work Environment"
**DIRECTOR, DATA ANALYSIS**

Exciting opportunity to use analytical and communication skills to help improve health care delivery in New York State. As the Director of Data Analysis for IPRO, the successful candidate will direct analyses of variations in patterns of care and outcomes. IPRO has a large and rich data base of Medicare and Medicaid claims, review and related information. Work with the medical community in targeting areas amenable to improvement.

Requires a doctoral degree in epidemiology, public health, biostatistics or related field; knowledge of health care delivery systems; and experience in analysis of health care data. Publications authorship preferred.

We offer excellent salary and comprehensive benefits package. Please submit resume to: Director of Human Resources, ISLAND PEER REVIEW ORGANIZATION, 1979 Marcus Avenue, Lake Success, NY 11042. Equal opportunity employer.

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**POSITION AVAILABLE**

**RESEARCH ASSOCIATE**

DEPARTMENT OF LABORATORY MEDICINE AND PATHOLOGY

UNIVERSITY OF MINNESOTA

A full time annually renewable academic position at the rank of Research Associate is available approximately July 1, 1993. Candidates must hold a Ph.D. in biochemistry or in some physical science area. A minimum of two years' postdoctoral experience is required. Experience should be demonstrated in nuclear magnetic resonance (NMR) structural analysis of proteins and peptides. Operational experience with Bruker AMX-NMR spectrometers (11-14 Tesla) is highly desirable. Candidates will be expected to participate in on-going research programs in the general areas of protein cytokines and cell adhesion promoting peptides. Other duties will include assisting with teaching of graduate students and postdoctoral fellows. Salary range $35,000 to $45,000 depending on qualifications.

Applicants should send curriculum vitae, a brief synopsis of recent research activity and three letters of reference to:

Prof. K. H. Mayo
Research Associate Search Committee (NMR)
c/o Marilyn Green
Box 198 UMHC-420 Delaware St., SE
Minneapolis, MN 55455

Deadline for receipt of applications is May 15, 1993.

The University of Minnesota is an equal opportunity educator and employer.

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**FACULTY POSITION**

**MOLECULAR VIROLOGIST/MICROBIOLOGIST**

The Department of Medical Microbiology and Immunology, The Ohio State University College of Medicine is seeking applications for a tenure-track, hard-money position at the level of Assistant or Associate Professor in the area of Molecular Virology/Microbiology. Preference will be given to candidates whose research involves molecular studies on viruses, although strong candidates in other areas of microbiology that emphasize molecular biology will be considered. The successful candidate is expected to continue and extend his/her current research program, be involved in the training of graduate, medical and post-doctoral students in a Department with broad research interests. There is ample opportunity for interaction with several department virologists, and many other virologists, microbial geneticists and molecular microbiologists in one of the largest Universities in the country. Affiliations with the University Comprehensive Cancer Center, Retrovirus Center, AIDS Clinical Trials Unit or associated research institutions in the city are available and permit an opportunity for broad research collaborations. Applications for the position should include a curriculum vitae, a statement of research interests, reprints of selected publications, and the names and addresses of three individuals who will provide letters of recommendation. Materials or inquiries should be sent to: Dr. J. Dennis Pollack, Chairperson, Search Committee, Department of Medical Microbiology and Immunology, 333 West 10th Avenue, The Ohio State University, College of Medicine, Columbus, Ohio 43210. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.

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**UNIVERSITY OF ROCHESTER**

**SCHOOL OF MEDICINE AND DENTISTRY**

**NIMH MULTIDISCIPLINARY PROGRAM FOR**

**PREDOCTORAL & POSTDOCTORAL RESEARCH TRAINING IN PSYCHONEUROIMMUNOLOGY**

Behavioral influences on the immune system
Neural and endocrine influences on immunity
Immune influences on the neuroendocrine system and behavior
Ontogeny and phylogeny of neural-immune interactions

**CORE TRAINING FACULTY**

ROBERT ADE, PH.D., PROGRAM DIRECTOR
Professor of Psychiatry, Psychology, and Medicine
NICHOLAS COHEN, PH.D.
Professor of Microbiology and Immunology and Psychiatry
DAVID L. FELTEN, M.D., PH.D.
Professor of Neurobiology and Anatomy and Psychiatry
SUZANNE Y. FELTEN, PH.D.
Associate Professor of Neurobiology and Anatomy
LEE J. GROTA, PH.D.
Associate Professor of Psychiatry and Psychology
JAN A. KOWYHNAN, PH.D.
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VACCINE RESEARCH AND DEVELOPMENT

UNITED BIOMEDICAL, INC. (UBI) is a dynamic and growing biopharmaceutical company devoted to the development and manufacture of diagnostic products, vaccines and therapeutics to combat immune disorders and infectious diseases. Currently openings exist in the Vaccine Research and Development area for the following:

MOLECULAR BIOLOGY: Scientists with foreign gene expression experience using mammalian and insect cell systems are needed. Successful candidates will be responsible for: the design and development of vaccines to protect humans from assorted viral and bacterial pathogens; the production and characterization of genetically engineered and authentically configured vaccine immunogens; modifying existing expression systems for optimal foreign antigen production; and the generation of novel proprietary expression systems.

BACTERIOLOGY: Scientists with comprehensive training in bacterial disease pathogenesis are needed. Previous experience with Chlamydia and/or Borrelia and bacterial gene expression will be given special consideration. Successful candidates will participate in the design and development of recombinant DNA and synthetic peptide based vaccines.

VIROLOGY: Scientists with comprehensive training in human viral pathogens including measles, human papilloma, and Epstein Barr are needed. Applications from scientists with a proven track record studying molecular mechanisms of virus diseases, immune responses to viral infection, and induction of humoral/ cellular immunity to virus diseases will be given special consideration. Successful candidates will participate in vaccine design, development, and testing.

VACCINE FORMULATION/ADJUVANT DEVELOPMENT: Scientists with expertise in proper vaccine antigen presentation to stimulate protective cellular, humoral and mucosal immune responses are needed. Individuals with experience in the use of adjuvants in human vaccine formulations and in novel antigen delivery systems designed to stimulate local or mucosal immune responses will be given special consideration. Successful candidates will be responsible for formulating new and effective vehicles for delivering our genetically engineered and synthetic peptide immunogens.

CLINICAL DEVELOPMENT

CLINICAL RESEARCH ASSISTANT

Position available for one person to provide full time support services to our vaccine clinical trials program. Responsibilities include management of a repository of clinical samples, and the curation of experimental data pertaining to those samples. Previous laboratory experience in the handling of human specimens is desirable.

CLINICAL TRIALS ASSOCIATE

Responsibilities include site visits of international and local clinical trials sites for monitoring vaccine administration, specimen collection, and laboratory/clinical data. This position will require international travel, to Asia and Africa, and applicants must therefore demonstrate the ability to work independently. Previous experience in clinical trials monitoring is essential, with international experience highly desirable.

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Senior management position in Regulatory Affairs: vaccines; diagnostics; biological therapeutics. U.S. and international approval routes; preparation and maintenances of INDs; DMFs; PLAs; GCP compliance experience. Successful candidate should have several years industrial and/or FDA regulatory experience, and ability to work effectively with multidisciplinary research, development, and manufacturing groups.

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Manager, Human Resources-S
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Neural Systems Section
National Institute of Neurological Disorders and Stroke
National Institutes of Health
Public Health Service

Applications are invited from scientists having an M.D. and/or Ph.D. degree and at least 5 years of postdoctoral experience to lead an NIH intramural research unit studying the cellular and molecular basis of memory in animal models and related applications to Neurological disorders such as Alzheimer’s Disease. The position requires that the candidate have expertise and creativity in the planning and performance of complex research projects, requiring a multidisciplinary approach, and for training of section personnel. The candidate must satisfy the following specific requirements: Proven ability to produce creative research in cellular and molecular mechanisms of memory storage. Proven expertise in the investigation of signal transduction mechanisms with emphasis on regulation of ion channels by second messengers in invertebrates and vertebrates. Expertise in patch-clamp techniques, ion channel reconstitution in artificial bilayers and intracellular recordings. Computational data acquisition and analysis. Experience with tissue culture techniques, including acute neuronal dissociation procedures. Experience with marine animals (molluscs) maintenance. Knowledge of modern molecular biology techniques (PCR) and their application to ion channel cloning. Familiarity with human neurological diseases. Familiarity with psychophysiological and neuropsychological techniques. A medical background is highly desirable for a wider perspective of basic research that could lead to clinical applications. The position is located in Bethesda, Maryland at the general schedule (tenured-track) level with a salary of $41,000 to $51,000 per annum depending on experience and qualifications. For further information please contact Mrs. Christine M. Steyer at (301) 496-6384. Please send curriculum vitae, a detailed description of your past activities, future research plans, and three letters of recommendation to:

Mrs. Christine M. Steyer
National Institute of Neurological Disorders and Stroke
NIH, Bldg. 31, RM. 8A23
9000 Rockville Pike
Bethesda, MD 20892

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Applications and nominations will be received and considered until the position is filled. However the screening process will begin after January 1, 1993, and applications are encouraged prior to that date.

Nominations, or letters expressing interest with curriculum vitae and names of three references, should be submitted: Warmington Chair Search Committee, Attn: Davida Hopkins-Parchman, Office of Academic Affairs, 535 Administration Bldg., University of California, Irvine, CA 92717-1000. The University of California, Irvine is an equal opportunity/affirmative action employer committed to excellence through diversity.

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* June 1992 ABC statement

** June 1992 BPA statement
Leukon is recruiting scientists at all levels to develop a research program focusing on the role of chemoattractants and adhesion molecules in the development of tissue-specific immunity. We are looking for team-oriented investigators who will have demonstrated expertise in their field and a commitment to the development of novel therapeutics for acute and chronic inflammation.

**Cell Biology:** Scientists in this Division will bring expertise in one or more of the following areas: chemotaxis/motility, leucocyte-endothelial interactions and organ-specific homing mechanisms. In addition we are recruiting for scientists to establish a hybridoma group.

**Molecular Biology:** This group will have responsibility for a wide range of basic molecular biological techniques including mammalian expression systems, cDNA cloning, automated DNA sequencing, PCR technology and site-directed mutagenesis.

**Protein Chemistry:** This team will undertake the purification and sequencing of novel proteins and the generation of peptide libraries. Individuals with expertise in protease enzyymology and robotics are also being sought.

**Immunology:** Scientists in this group will bring a wide range of immunochemical techniques to bear on the characterization of endothelial and leucocyte membrane proteins.

**In vivo modeling:** This section will undertake the development of acute and chronic inflammatory disease models, evaluate the role of novel chemoattractants therein, and test candidate therapeutics. A background in monoclonal immunotherapy is desirable.

We have solid venture capital funding, an outstanding scientific advisory board and are located in close proximity to Harvard Medical School. Leukon offers competitive salaries, excellent health benefits, a generous relocation package and an incentive stock option plan. This is your opportunity to get in at the ground floor and have a major impact on the future of our product development. For confidential consideration, please submit a resume to:

Dr. Walter Newman  
Director of Research  
Leukon, Box 101  
800 Huntington Ave.  
Boston, MA 02115

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**NEW ENGLAND BIOLABS**

**Postdoctoral Position**

The Molecular Parasitology group at New England Biolabs, Inc., a pioneer and leader in biotechnology located twenty miles north of Boston, is seeking a recent Ph.D. for a postdoctoral fellowship to study filarial chitinases. Experience with cloning, enzyymology or protein purification is strongly preferred.

The scientists at New England Biolabs have the freedom to do basic research, manage their own time and experiments, and publish immediately. Compensation and benefits have few peers.

Candidates please submit curriculum vitae with the phone numbers of three references to:

Dr. Francine Perler  
New England Biolabs, Inc.  
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**Botanist - Ecologist**

We seek a broadly trained botanist to teach general ecology, vascular plants, and some combination of courses from the applicant's field of expertise, and/or the environmental sciences. Ph.D. expected. Preference will be given to applicants having an active research program that can involve students. This position is a two year appointment to begin in August 1993. Send c.v., three letters of reference, and statement of teaching interests to:

Dr. Kenneth Crowell  
Department of Biology  
St. Lawrence University  
Canton, NY 13617

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The Director
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Rochester, New York

Applications and nominations are invited for the position of Director of the Eastman Dental Center. The Director is the chief executive officer of the Center, which provides clinical care, conducts basic science and clinical research programs, and maintains postdoctoral education programs in general dentistry, orthodontics, pediatric dentistry, periodontics, and prosthodontics. In all of its missions-clinical care, education and research-the Center has interactions with the University of Rochester. The Director must have an international reputation and qualifications for a senior academic appointment in the University. Qualifications include an earned doctorate in dentistry and/or science, a strong record of research funding, familiarity with the management of clinical dental programs and specialty training programs, and experience in administration.

Application with a full curriculum vitae or nominations should be sent to Mrs. Elaine P. Wilson, Search Committee Chairperson, c/o Director's Office, Eastman Dental Center, 625 Elmwood Avenue, Rochester, New York 14620, before June 1, 1993. The Eastman Dental Center is an affirmative action, equal opportunity employer and seeks applications from women and minority candidates.

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**Postdoctoral Positions**

**Biochemistry/Molecular Biology**

The PARKE-DAVIS Pharmaceutical Research Division of Warner-Lambert Company has two immediate openings in the Biochemistry Department for postdoctoral research in metalloproteinases and their inhibitors using molecular biology and protein chemistry techniques. The research will involve molecular cloning, protein expression in E. coli or other host cells and purification, and enzyme structure-function studies by mutagenesis and kinetic analysis.

The positions require a recent Ph.D. in biochemistry, molecular biology, or related areas. Previous experience in DNA cloning, protein expression and purification is desired, but others who wish to have the training in molecular biology and protein chemistry will also be considered.

Interested individuals should send their resume and names of references to Box JDM-0089, Human Resources Department, PARKE-DAVIS Research Division, Warner-Lambert Company, 2800 Plymouth Road, Ann Arbor, MI 48105. “Smoke-Free Work Environment”

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  - May 14 Issue - Deadline: April 27

- **ASBMB (American Society for Biochemistry and Molecular Biology)**
  - May 28 Issue - Deadline: May 11

- **International Congress of Virology**
  - July 23 Issue - Deadline: July 6

- **Science Innovation '93**
  - July 30 Issue - Deadline: July 13

- **International Genetics**
  - August 6 Issue - Deadline: July 20

- **ACS Fall Meeting**
  - August 13 Issue - Deadline July 27

- **NIH Research Week**
  - September 17 Issue - Deadline: August 31

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**American Society of Human Genetics**

- **Lab Expo & Conference**
  - October 1 Issue - Deadline: September 14

- **Biotechnica**
  - October 8 Issue - Deadline: September 21

- **Human Genome**
  - October 15 Issue - Deadline: September 28

- **Neuroscience**
  - October 22 Issue - Deadline: October 5

- **Medica '93**
  - November 5 Issue - Deadline: October 12

- **MAC**
  - November 19 Issue - Deadline: November 19

- **Salon du Laboratoire**
  - November 19 Issue - Deadline: November 19

- **ASCB (American Society for Cell Biology)**
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Teaching and research responsibilities will be developed in accordance with candidates academic interests. Academic rank will be commensurate with the candidates experience. Applications will remain open until the position is filled. Inquiries and curriculum vitae should be submitted to: SEBASTIAN FARO, M.D., Ph.D., Dept., Ob/Gyn, University of Kansas Medical Center, 3901 Rainbow Blvd., Kansas City, Kansas 66160-7316. The University of Kansas Medical Center is an Affirmative Action/Equal Opportunity Employer.

PHARMACOLOGY RESEARCH ASSOCIATE PROGRAM

The National Institute of General Medical Sciences is seeking applications for the Pharmacology Research Associate (PRAT) Program at the National Institutes of Health (NIH). The PRAT program is a 2 year postdoctoral training program, providing research opportunities in such areas as signal transduction, receptor pharmacology, AIDS research, neurobiology/neuropharmacology, chemistry, behavioral pharmacology, metabolism, cell biology, and gene expression and regulation. Those selected for the program may choose from among more than 100 intramural laboratories of the institutes which comprise the NIH.

The program is intended for recently trained, highly qualified scientists who wish to address problems of pharmacological interest. Research proposals are not required for application. Applicants must be U.S. citizens or permanent residents. Deadline for receipt of applications for positions beginning in July of 1994 is June 1, 1993. For more information and application material, please write to:

Program Assistant
Pharmacology Research Associate Program
National Institute of General Medical Sciences
Westwood Building, Room 919
5333 Westbard Avenue
Bethesda, MD 20892

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21-22 May 1993, Bethesda, MD
American Association for Cancer Research meeting,
19-21 May 1993, Orlando, FL
American Association of Immunologists/Clinical Immunology Society joint meeting, 21-25 May, 1993, Denver, CO

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MOLECULAR VIROLOGY/GENETICS/
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Faculty Level Position
(M.D. or Ph.D. degree required) at the NIH

A tenure track position (Assistant Professor level) is available in the Laboratory of Molecular Microbiology, NIAID, NIH. The Laboratory is located on the Bethesda Campus of the NIH in Bethesda, MD and has outstanding facilities and resources. At present the Laboratory consists of five independent groups with the following research interests: HIV-1 and HTLV-I transcriptional regulation (Kuan-Teh Jeang), mouse genetics and retrovirology (Christine Kozak), HIV biology (Malcolm Martin), genetics and retrovirology (Jonathan Silver), viral and cellular mRNA processing and utilization (Sundararajan Venkatesan). We are seeking a candidate with interests in virology, genetics or developmental biology to establish a sixth independent research area. Salary ($35,000 - $45,000) and resources will be at a level comparable to that of Assistant Professor. Applicants should send a C.V. with bibliography, statement of research interests and the names and addresses of three references to:

Dr. Malcolm Martin
Laboratory of Molecular Microbiology
National Institutes of Health
Building 4, Room 315
9000 Rockville Pike
Bethesda, MD 20892

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PHARMACOKINETICIST

Nexagen, Inc., a new, Boulder-based biotechnology company, is pioneering the development of oligonucleotides for use as human pharmaceuticals. The company is seeking applications for the position of Senior Pharmacologist with specialized expertise in animal pharmacokinetics. The applicant should have a Ph.D. or equivalent degree and demonstrated experience conducting pharmacokinetic studies including associated surgical procedures, analytical assay development on biofluids, and data reduction/interpretation using at least one of the commercially available computer software packages. Special consideration will be given to applicants with industrial experience in pharmaceutical development. Resume should be sent to:

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Research Triangle Park, NC 27709

Postdoctoral Fellowship

Position available in the Center for Functional Imaging, Life Sciences Division, Lawrence Berkeley Laboratory to develop image analysis, display, and coregistration techniques for PET, SPECT, and MR imaging. The successful candidate must be familiar with medical imaging techniques and image processing and display algorithms. Recent Ph.D. in electrical engineering/computer science, physics, or biophysics. Programming experience with the Unix operating system and X-windows is also required. Send curriculum vitae and names of three references to Dr. William Jagust, c/o Lawrence Berkeley Laboratory, Staffing Office, Job #/1282, One Cyclotron Road, Bldg. 90/1042, Berkeley, CA 94720. Affirmative Action/Equal Opportunity Employer.

Enlawrence Berkeley Laboratory
University of California
U.S. Department of Energy
POSTDOCTORAL POSITION supported by an NIH grant, available July 1993, to study molecular biology of coagulation factors. Study to involve PCR, recombinant DNA, site-directed mutagenesis, documentation of protein-nucleic acid interactions, and structure-function correlates related to interactive sites, computer-assisted molecular modeling, and design of inhibitor peptides. Send curriculum vitae, selected papers and/or copies of abstracts for Harry James, Ph.D., Department of Biochemistry, The University of Texas Health Center at Tyler, Tyler, TX 75710. Telephone (903) 877-2090, FAX (903) 878-7558. Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE position available immediately to study the molecular basis of cervical cancer. Emphasis is placed on the use of molecular probes to diagnose and understand the viral etiology of these diseases. Experience in molecular biology techniques (e.g., oligonucleotide synthesis, PCR, Southern blotting, and in situ hybridization) desirable. Send curriculum vitae and names of three references to: Dr. Brian Herman; Department of Cell Biology & Anatomy; UNC-CH; CB# 7090, 232 Taylor Hall; Chapel Hill, NC 27599. An Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE position available to undertake studies on PDGF-receptor dimerization and tyrosine kinase function using a fluorescent cell expression technique. Ph.D. in physics or biophysics with experience in digitalized video microscopy, FRAP, confocal microscopy, fluorescence lifetime imaging microscopy and laser scanning. Salary commensurate with experience. Send curriculum vitae and names of three references to: Dr. Brian Herman; Department of Cell Biology & Anatomy; UNC-CH; CB# 7090, 232 Taylor Hall; Chapel Hill, NC 27599. An Equal Opportunity/Affirmative Action Employer.

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The Universities Space Research Association (USRA) has an ongoing need for RESEARCH SCIENTISTS and ASSISTANTS to investigate processes or products limited or affected by conditions not shared by the Space and Earth environments (e.g. microgravity, high vacuu, etc.). Ability to quantify these limitations and effects theoretically and/or experimentally. Develop theories for various heat and mass transport processes encountered during crystal growth and solidification; develop numerical codes and perform analysis on mass redistribution, interface stability, defect formation in structural, electronic, and optical materials; and/or evaluate the effects of residual gravitational forces on materials and processes. Provide assistance with ground-based and flight hardware to obtain the potential benefits of processing materials in Space. Work to be in the Microgravity Sciences Division of the Space Science Laboratory, NASA Marshall Space Flight Center. Scientists must have a Ph.D. in related field (e.g. Materials Science or Physics). Assistants must have undergraduate degree in related field. The appointment will be for one year, renewable. Salary commensurate with experience (minimum of $33,000 per year for scientists) with full medical and retirement benefits. Send resume to: USRA, Dr. James M. Van Allen, Director, Corporate Drive, Suite 100, Huntsville, AL 35806. Equal Opportunity/Affirmative Action Employer. M/F/D/V.

MOLECULAR BIOLOGIST/BIOCHEMIST
The American Health Foundation, a leading nonprofit biomedical research institution, is seeking a scientist well versed in the molecular mechanisms of carcinogenesis, particularly mutational consequences of carcinogenic DNA adducts. The ideal candidate will have relevant postdoctoral experience and the ability to establish an independent grant-supported research group. We offer a competitive compensation and benefits package, modern laboratory facility and a pleasant suburban location in Westchester County. Please submit resume and salary requirements to: Department SH, American Health Foundation, One Dana Road, Valhalla, NY 10598, Equal Opportunity Employer, M/F/H/V/AD/A.

PHYSIOLOGIST: The Department of Biological Sciences at Idaho State University invites applicants for a tenure-track position in physiology to begin the fall semester of 1993. Applicants must have completed a doctorate, and postdoctoral experience is preferred. Teaching assignments will include an upper-division, graduate systemic physiology course for health professional students including physical therapy students, and an upper-division, pre-clinice physiology course. A successful applicant will be expected to work with graduate students and develop a research program which complements existing efforts in the department. This position will remain open until filled, but applicants should send a letter of application, curriculum vitae, and three letters of recommendation by May 15, 1993, to: Chairman, Physiology Search Committee, Department of Biological Sciences, Box 8007, Idaho State University, Pocatello, ID 83209. Idaho State University is an Equal Opportunity/Affirmative Action Employer.

SCIENTIST/COMPUTATIONAL SCIENTIST AMES LABORATORY
The Ames Laboratory is seeking a computational scientist to conduct research within the Applied Mathematical Sciences Program. The incumbent is required to have demonstrated expertise in computer performance analysis. The incumbent will be expected to conduct research in collaboration with other staff members, post docs and students. Minimum qualifications include a Ph.D. in an area of computational science. Experience must include use of parallel computer systems and supercomputers in scientific research. Work experience in an industrial setting is preferred. Competitive salary and benefits. Send cover letter, resume, plus the names and addresses of three references to: Ames Laboratory Personnel Office, 127 Spedding Hall, Iowa State University, Ames, IA 50011. An Equal Opportunity/Affirmative Action Employer. Application deadline of June 15, 1993, or until filled.

SCIENTIST AND REGULATORY AFFAIRS
Opportunity for scientists with demonstrated success in any of the following areas: medical drug delivery, electrotransport, peptide and parenteral delivery, adhesives and polymers, problems of tissue irritation, clinical trials, electrophysiology and regulatory affairs. Salary commensurate with experience and knowledge. Send curriculum vitae, summary of research and published papers to: President, D.D.S., P.O. Box 276, Stony Brook, NY 11790-3027.

ANNOUNCEMENTS
RESEARCH AWARDS
The International Life Sciences Institute Research Foundation (ILSI Research Foundation) announces that 1 to 2 awards of basic medical science projects in TOXICOLOGY and ENVIRONMENTAL HEALTH (to include human nutrition), each of up to $100,000 over 3 years, will be made in 1994. The purpose of the awards is to encourage innovative, new investigators in basic biomedical sciences to apply modern knowledge and techniques to basic problems related to comparative toxicology or environmental influences on growth, development and aging. The deadline for submitting pre-proposals (2 to 3 pages) is May 28, 1993. For further information, write: Award Administrator, ILSI Research Foundation, 1120 Sixteenth Street, NW, Box RF, Washington, DC 20036, FAX: 202/659-8654.

RFP AVAILABLE
The NCI is soliciting proposals for the preparation of preclinical and clinical grade immunoconjugates of monoclonal antibodies and/or other genetically engineered targeting molecules that are linked to chelating agents. The NCI will provide purified GLP/GMP grade targeting molecules to the contractor for chemical conjugation to chelating agents using published or proprietary methods. It is anticipated that the offeror will be required to prepare approximately 10 to 1000 mg of each immunoconjugate. Deadline for receipt of applications is May 21, 1993. For more information and a copy of the RFP, contact: Ms. Patricia Lightner, NCI at 301-496-8620 or FAX: 301-480-0309.

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