The Memorial Sloan-Kettering Cancer Center offers postdoctoral training fellowships in basic and clinical research. Stipends provided are based upon level of postdoctoral experience. For additional information write to program directors listed below.

**CLINICAL SCHOLARS TRAINING PROGRAM IN BIOMEDICAL RESEARCH** - Richard A. Rifkind, MD - Director
This program provides training for a select group of physicians who have completed their clinical training and demonstrate a commitment to careers in biomedical research. Training opportunities are available in the research programs of: molecular biology, cell biology and genetics, cellular biochemistry and biophysics, immunology and molecular pharmacology and therapeutics.

**SURGICAL ONCOLOGY RESEARCH TRAINING PROGRAM**
Murray F. Brennan, MD - Director
The program seeks to strengthen academic surgical oncology research by training surgical fellows in laboratory research related to biology of human cancer. Research opportunities include areas such as metabolism, neurophysiology, molecular biology, cell biology, immunology, immunopathology and genetics.

**PSYCHIATRIC AND PSYCHOLOGICAL RESEARCH TRAINING IN AIDS** - Jimmie Holland, MD - Director
This training program seeks to recruit and train more investigators to conduct research on the mental health aspects of the AIDS epidemic. The program draws upon a faculty involved in investigations of psychiatric, neuropsychological, and behavioral aspects of AIDS/HIV infection in diverse populations (gay men, women, intravenous drug users and minority group members). Training includes didactic seminars, apprenticeship with experienced investigators, and supervised independent research.

**PSYCHIATRIC AND PAIN RESEARCH TRAINING IN CANCER** - Jimmie Holland, MD - Director
This training program seeks to address the urgent need for a cadre of investigators with expertise in the supportive care areas of pain, psychological distress, supportive/palliative care, psychoneuroimmunology and behavioral medicine. The training program is open to psychologists and physicians with training in psychiatry, neurology, medicine and oncology. Research focuses on the psychiatric, neuro-psychological, behavioral, neuroimmunological and pain related (clinical and laboratory) aspects of patients with cancer. Curriculum includes didactic seminars, apprenticeship with clinical investigators in pain, psychiatry, psychology and neurology and supervised independent research.

**GASTROINTESTINAL ONCOLOGY RESEARCH** - Sidney J. Winawer, MD - Director
The program offers opportunities for basic and applied research in Gastrointestinal Cancer. Interrelated groups are working on collaborative efforts and jointly participate. This affords the trainees an excellent opportunity to study a wide spectrum of biological, molecular genetic, immunological and pharmacological approaches to gastrointestinal cancer and its etiology. There is special emphasis on cancer prevention, nutrition and inheritance.

**HEAD AND NECK TRAINING PROGRAM - SURGICAL ONCOLOGY** - Stimman P. Schantz, MD - Director
This is a two year program with dedicated clinical and research training opportunities in head and neck oncology. A specific focus will be placed on cancer prevention and detection strategy for tobacco-induced cancer.

**CANCER CHEMOTHERAPY TRAINING PROGRAM**
John Mendelsohn, MD and Deon Bajoria, MD - Co-Directors
The Oncology/Hematology Fellowship Program provides physicians with comprehensive clinical training necessary for certification in Internal Medical subspecialties of Oncology and Hematology and research training designed to prepare the trainee for an academic research career. Through the Cancer Chemotherapy Training Program, clinical and laboratory scientists provide research training in gene expression, growth factor modulation, differentiation, drug resistance, gene transfer, and clinical trials methodology after the completion of clinical training.

**IMMUNOLOGY RESEARCH TRAINING PROGRAM**
Kenneth O. Lloyd, PhD - Director
The program offers training in areas of modern immunology. These include human and mouse immunogenetics, function and mechanism of action of T lymphocytes, biology of B lymphocytes, molecular control of HLA antigen genes and T cell development and selection in the thymus and in the peripheral circulation. The Program also has strong efforts in tumor immunology, with an emphasis on an analysis of the immune response in tumor cancer antigens, the production of human and mouse monoclonal antibodies to tumor antigens and the clinical application of these antibodies.

**ENDOCRINE AND METABOLIC RESEARCH TRAINING PROGRAM**
Martin Sonenberg, MD, PhD - Director
The objective of this program is to develop research physicians and scientists who will contribute to an understanding and management of endocrine and metabolic diseases. Integrated are 17 faculty members of 4 neighboring institutions, Memorial Sloan-Kettering Cancer Center, The Rockefeller University, the New York Hospital-Cornell Medical Center and The Population Council. Some areas of research include: mechanism of hormone action, hormonal control of growth and differentiation, regulation of testicular function, neuroendocrine control of neural gene expression.

**TRAINING PROGRAM IN MOLECULAR PATHOLOGY AND IMMUNOLOGY OF HUMAN CANCER** - Juan Reisal, MD - Director
This two-year program aims to recruit, develop, and position pathologists committed to an academic career by training in laboratory research related to biology of cancer. Emphasis is on implementing basic science principles and methodologies as they apply to the molecular biology and immunopathology of neoplastic diseases. Active areas of research include: receptor biology, cancer genetics, control of cell growth, molecular mechanisms of drug resistance, tumor antigen immunochemistry, molecular neuro-oncology, as well as applied investigations on tumor suppressor genes and oncogenes.

**TRAINING IN RADIATION ONCOLOGY SCIENCES**
Zvi Fuchs, MD and C. Clinch Liao, PhD - Co-Directors
The overall objective of this program is to promote the development of full-time academic careers targeted to integrating clinical, biological and physical investigations with clinical radiation oncology to improve the management of cancer. For radiation-oncologists-in-training, this program will provide a 2-year research rotation; for Ph.D. scientists interested in biological research, the 2-year training will be primarily laboratory-based with appropriate interface to clinical radiation oncology; medical physics trainees will participate in research projects related to radiotherapy for 2 years.

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This is the Start of an Incredible Journey

With your education and dedication, there are many career paths open to you. But if you'd like to head in a direction where no one has been before, consider Los Alamos National Laboratory.

From our spectacular location in the mountains of New Mexico, we’re building on our rich heritage of technical achievement and creating the next generation of advanced technology. In fact, the work we do deals with a diverse range of important technical issues - from advanced electronic circuitry to experimental structural biology, from the study and protection of the Earth’s environment to the exploration of Jupiter and beyond.

In addition, our broad spectrum of projects provides nearly limitless opportunities for professional challenge and development. No matter which direction you choose, you’ll work with the finest people and the latest development tools in an environment that fosters innovative thinking.

We are looking for highly motivated individuals to join our workforce. Undergraduate and graduate student internships, postdoctoral appointments, and a limited number of staff positions are available in the following disciplines: Chemistry; Computer Science; Earth & Space Sciences; Chemical, Electrical, Mechanical and Nuclear Engineering; Health and Environmental Sciences; Life Sciences; Materials Science/Metallurgy; Mathematics; Optics and Electro-Optics; Theoretical and Experimental Physics and Astrophysics.

For information on our student internships and postdoctoral appointments, please call (505) 667-8622. If you have an advanced degree and are interested in joining our regular staff, please send your resume to Los Alamos National Laboratory, Recruiting Coordinator, MS P286, 94060, Los Alamos, New Mexico 87545.

Los Alamos National Laboratory is operated by the University of California for the U.S Department of Energy and is an Equal Employment Opportunity Employer. Ability to obtain a Department of Energy Security Clearance may be required. Individuals with disabilities needing reasonable accommodation should call (505) 667-8622. A Teletype Device for the Deaf (TDD) is available by calling (505) 665-5357.

Los Alamos
NATIONAL LABORATORY
For those who want to do more, learn more, get more out of their careers

If you're ready to do more with your degree in the sciences, you'll want to look into Johnson & Johnson, the world's largest and most comprehensive manufacturer of health care products. Our goal has always been to provide our employees with the opportunities they need to achieve their personal career objectives. This commitment is evidenced today through a variety of programs — including in-house training, tuition assistance and job posting — that help our people continually learn more and get more out of their careers.

Current opportunities at Johnson & Johnson companies in central New Jersey include:

**Senior/Principal Scientist**
Requires a PhD or equivalent in Microbiology with at least 10 years' experience in industrial microbiology with a focus on sterilization of medical devices. Areas of expertise should encompass cobalt irradiation and ethylene oxide. Experience with qualification and validation of sterilization systems is required. (Dept. 115)

**Associate/Assistant Scientist**
Requires a Bachelors degree and minimum 2 years' experience in blood typing and screening in a blood bank or related facility. 2-5 years' experience required for Associate Scientist level. Requires experience working with blood samples, i.e., universal precautions in safety, ability to work with potentially infectious specimens, design experiments and analyze data. Responsibilities include support and troubleshooting for Immunohematology product line, development of new Immunohematology products, blood typing and screening with tube and BioVue, development of improvements for BioVue. (Dept. 116)

**Research Assistant/Associate (Neuroendocrinology)**
Involves developing preclinical models for CNS disorders; conducting in vivo behavioral experiments, performing assays on blood and tissue; and collecting, analyzing and reporting on data. Requires 0-2 years of lab experience and a BS/MS in Biology or related field, with an emphasis on behavioral studies. Background in neuroscience, psychobiology or behavioral pharmacology is desired. (Dept. 117)

**Research Associate**
Requires BS/MS in Biology, Cell Biology or Biochemistry and 3-5 years of lab experience in the area of cell biology or endocrinology. RIA, cell culture and molecular biology skills are desired. You will conduct experiments with novel compounds in in vivo and in vitro systems to evaluate their effects on various target tissues and reproductive endocrine systems. Will also record observations and measurements in notebooks according to GLPs, and be responsible for proper care of equipment and use of supplies. (Dept. 118)

In addition to an excellent compensation and benefits package, Johnson & Johnson offers a LIVE FOR LIFE Wellness Program with on-site fitness centers, smoke-free workplaces in campus-like settings, and programs that can help you balance your work life with your family life. To apply for these openings or to be considered for future opportunities, send your resume suitable for scanning into our state-of-the-art database (i.e., clean/clear, no graphics, and preferably unfolded). Forward to Dept. code indicated above for the position of your choice, Johnson & Johnson Recruiting, Employment Management Center, P.O. Box 16597, New Brunswick, NJ 08906-6597. We are an equal opportunity employer and support diversity in the workplace.
This SCIENCE Education issue receives bonus distribution to 19 minority organizations.

Opportunities for minority scientists have come a long way, but there is still work to be done. That's why SCIENCE offers this once-a-year opportunity for advertisers to highlight their affirmative action recruitment message. This issue receives bonus distribution to the listed minority organizations and focuses on a topic which is important to all scientists: education. SCIENCE salutes the companies advertising in this issue and those who have advertised in past minority issues for their support of a diverse work force in science.

Minority Bonus Distribution
This issue of SCIENCE receives bonus distribution to these 19 minority organizations:

- Minority Research Development Program:
  - Bennett College
  - Central State University
  - Florida A&M University
  - Howard University
  - Lehman College/CUNY
  - Meharry Medical College
  - Morehouse College
  - Morris Brown College
  - SUNY, College at Old Westbury
  - University of Hawaii
  - Wayne State University
- Minority Access to Research Careers
- Minority Biomedical Research Support Program
- National Hispanic Leadership Conference
- National Network of Minority Women in Science
- National Puerto Rican Coalition
- National Organization for the Advancement of Black Chemists and Chemical Engineers
- National Technical Association
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Turn to page 842 for full page recruitment advertisements from research and academic institutions as well as biotechnology and pharmaceutical companies.
ADVEWNSEUMNR

ASSISTANT OR ASSOCIATE PROFESSOR OF CONSERVATION BIOLOGY AND DIRECTOR

Duke University School of the Environment and The Nature Conservancy

Applied Conservation Ecology Program

The Duke University School of the Environment and The Nature Conservancy (TNC) are searching for an individual with conservation biology expertise to direct a new program designed to facilitate the goals of both institutions. The director will assist in the development and implementation of the School's annual conserva- tion programs, while participating in the teaching and research activities of the School of the Environment. A major goal of this program is to bring an interdisciplinary approach to the implementation of successful conservation strategies. Initial programs will focus on the Conserv- ancy's active conservation efforts in the Southeast. Teaching responsibilities in the School of the Environment will include a core course in conservation ecology, and participation in seminars and student advising. An energetic research program focused on application of new knowledge, and the ability to secure external funds, is an essential quality. The successful applicant will coordinate joint educational programs between Duke and TNC. Candidates should have a Ph.D. in a discipline directly related to conservation biology and demonstrated experience with conservation management issues. Experience dealing with landscape-level issues is of special interest. This position is available immediately from its director at the DIRECTOR level with The Nature Conservancy and as a non-tenure-track ASSISTANT or ASSOCIATE PROFESSOR level with the School of the Environment. It will be renewable, depending on funding availability. Applicants should send a curriculum vitae and the names of three references to: L. Claire Ackert, Dean, School of the Environment, Box 90328, Duke University, Durham, NC 27708-0328. Application review will begin 15 November 1994. The Nature Conservancy and Duke University are Equal Opportunity Employers.

FACULTY POSITIONS (2)

Two tenure-track positions. (1) Plant Physiologist and (2) Aquatic Ecologist. Both positions at ASSISTANT PROFESSOR level, to begin in September 1995. Ph.D. required. Plant Physiologist: Duties to include teaching introductory biology, general botany, plant physiology, a graduate course in area of expertise and to maintain a research program involving undergraduate and graduate students. Aquatic Ecologist: Duties to include teaching introductory biology, ecology, limnology, graduate aquatic biology or a similar course and to maintain a research program involving undergraduate and graduate students. Research background should include animal studies associated with freshwater, estuar- ian, and marine systems. Salary competitive and de- pendent upon experience. The department has 22 full-time faculty, with 60 majors, one-year postdoctor- al Master's program with about 60 students. Send cur- riculum vitae, transcripts, three letters of reference and one-page statement of teaching and research goals to: The Chair, Hiring Committee, Department of Bio- logical Sciences, Towson State University, Towson, MD 21204. Deadline for applications is 31 December 1994. Towson State University is an Equal Opportunity/Affirmative Action Employer. Male/Female/Disabled/Veteran. Females and males are encouraged to apply.

EMORY UNIVERSITY, MATERIALS CHEMISTRY FACULTY POSITION. The Department of Chemistry invites applications from materials chemists for an ASSISTANT PROFESSOR position (tenure- track) at the assistant professor level starting fall 1995. While candidates in all areas of materials chemistry will be considered, preference will be given to applicants whose re- search interests complement those of the faculty and the department. The individual selected for this position will be expected to establish outstanding research and teaching programs. A Ph.D. degree and evidence of successful teaching will be required, and successful candidates should send a curriculum vitae, a proposed research program, and arrange to have three letters of recommenda- tion sent to: Chairman, Faculty Recruiting Commit- tee, Department of Chemistry, Emory University, At- lanta, GA 30322. Applications received by November 1, 1995, will be considered. All applications should be received by January 1, 1995. Emory University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR MOLECULAR BIOLOGY OR MOLECULAR GENETICS

Two tenure-track FACULTY POSITIONS for tal- ented and highly motivated molecular biologists or mo- lecular geneticists are available with a January 1995 start date. We are looking for candidates with outstanding training records and significant research accomplish- ments. Qualifications must include an earned doctorate in Biochemistry, Molecular Biology, or Molecular Genetics, and at least two years postdoctoral training. Preference will be given to applicants with transferable NIH or NSF research grants. Successful candidates will be expected to develop independent research programs of international stature, to maintain strong and well-funded research laboratories, and to train graduate students. Responsibilities will include student recruitment and supervision, the development and supervision of a research program, teaching undergraduate and graduate courses, and the conduct of research. Applicants should have a strong record of scholarly achievement and an established track record of research productivity. Applicants should provide evidence of strong potential for future research success. All applications should be received by January 1, 1995. Emory University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR LANDSCAPE/ECOSYSTEMS ECOLOGY

The Division of Biology at Kansas State University (KSU) is seeking to fill a tenure-track position available at the ASSISTANT PROFESSOR level effective August 1995. The successful candidate will have a strong record of scholarly achievement in an area of Landscape/Ecosystems Ecology that complements and facilitates active par- ticipation in grassland research and the Long Term Ecolo- gical Research Program at the Konza Prairie Research Natural Area, and will become involved in new research programs designed to integrate studies beyond the site level to a regional scale. Research emphasis may be experimental or have a strong process-based modeling component. Possible research specialization include, but are not limited to, grazing ecology, belowground pro- cesses, ecosystem-atmosphere interactions, and human influences (including climate change) on regional ecosys- tem processes. Candidates must have a Ph.D. and preferably postdoctoral experience, will be expected to establish a vigorous and creative scholarly research program, and participate in undergraduate and graduate instruction. Candidates should apply by January 20, 1995, by submit- ting a curriculum vitae, a brief description of future re- search plans, and having three letters of reference sent to: Brian S. L. Miller, Director Division of Biology, Ackert Hall Kansas State University Manhattan, KS 66506-4901 KSU is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS: The Department of Radi- ology of University Medical Center at Stony Brook has two faculty positions available: an ASSOCIATE PROFESSOR of Radiology and an ASSISTANT PROFES- SOR of Radiology in support of the new Magnetic Resonance Imaging Program. This new facility includes a full-time 1.5 T clinical research MRI with spectroscopic and echo planar capabilities. The applicant must have a Ph.D. in Physics, Chemistry or one of the Physical Sci- ences. Candidates for the senior position should have at least ten (10) years of experience conducting research leading to the successful development of imaging and preferably magnetic resonance imaging. Current funded research in the department is a rich environment for image processing and magnetic resonance imaging.

Candidates for Assistant Professor should have at least two (2) years of postgraduate experience conducting research in magnetic resonance imaging. An energetic candidate is strongly preferred to develop his/her own area of research in the area of magnetic resonance (MR) imaging as well as collaborate in existing projects of MR spectroscopic imaging and MR guided neurosurgery. For further information, send your curriculum vitae, and a summary of your research plans to: Donald P. Hanson, M.D., Ph.D., Department of Radiology, 100 Fundamentals of Medicine, Room 9A22, Department of Radiology, University at Stony Brook, Stony brook, NY 11794-8460.

The University at Stony Brook is an Affirmative Action/Equal Opportunity Employer.

Assistant Professors Molecular Biology or Molecular Genetics

Two tenure-track FACULTY POSITIONS for tal- ented and highly motivated molecular biologists or mo- lecular geneticists are available with a January 1995 start date. We are looking for candidates with outstanding training records and significant research accomplishments. Qualifications must include an earned doctorate in Biochemistry, Molecular Biology, or Molecular Genetics, and at least two years postdoctoral training. Preference will be given to applicants with transferable NIH or NSF research grants. Successful candidates will be expected to develop independent research programs of international stature, to maintain strong and well-funded research laboratories, and to train graduate students. Responsibilities will include student recruitment and supervision, the development and supervision of a research program, teaching undergraduate and graduate courses, and the conduct of research. Applicants should have a strong record of scholarly achievement and an established track record of research productivity. Applicants should provide evidence of strong potential for future research success. All applications should be received by January 1, 1995. Emory University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR MOLECULAR BIOLOGY OR MOLECULAR GENETICS

Two tenure-track FACULTY POSITIONS for tal- ented and highly motivated molecular biologists or mo- lecular geneticists are available with a January 1995 start date. We are looking for candidates with outstanding training records and significant research accomplishments. Qualifications must include an earned doctorate in Biochemistry, Molecular Biology, or Molecular Genetics, and at least two years postdoctoral training. Preference will be given to applicants with transferable NIH or NSF research grants. Successful candidates will be expected to develop independent research programs of international stature, to maintain strong and well-funded research laboratories, and to train graduate students. Responsibilities will include student recruitment and supervision, the development and supervision of a research program, teaching undergraduate and graduate courses, and the conduct of research. Applicants should have a strong record of scholarly achievement and an established track record of research productivity. Applicants should provide evidence of strong potential for future research success. All applications should be received by January 1, 1995. Emory University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

MOLECULAR BIOLOGY OR

MOLECULAR GENETICS

Two tenure-track positions are available. One position is for a molecular biologist or molecular geneticist who is interested in animal biology or genetics. The other position is for a molecular biologist or molecular geneticist who is interested in plant biology or genetics. Both positions are at the assistant professor level. Applications are encouraged to apply and to identify themselves. The position is open to all areas of research in molecular biology and molecular genetics. The position is open to all areas of research in molecular biology and molecular genetics.
FELLOWSHIP OPPORTUNITIES

At Glaxo Research Institute, Diversity Is Part of The Solution.

People of widely different backgrounds and perspectives come together to achieve Glaxo's mission: discovering, developing, manufacturing and marketing safe prescription medicines for major unmet needs. That's a diversity of challenge. Glaxo responds with a diversity of human resources.

As part of our commitment to research, our Fellowship Programs support scientific endeavors and scholarships through the development of researchers at the early stage of their careers. Many of our Programs are supported sponsored by major universities to include the prestigious University of North Carolina at Chapel Hill and Duke University.

Join a multibillion dollar company recognized the world over for innovative solutions to pharmaceutical needs. Currently, Fellowship opportunities are available at our Research Triangle Park, N.C. location in the following areas:

- Drug Development
- Pharmacoeconomics
- Drug Information
- Pharmacokinetics
- Epidemiology
- Clinical Pharmacology
- Psychopharmacology

To be eligible for these openings, you must possess a post-graduate degree, such as: Master's, M.D., Ph.D or Pharm.D.

We offer a highly competitive compensation package. Applicants should send their curriculum vitae, a statement of research interest, and a list of professional references to: Pam Jones, Director, Education & Support, Dept. SC, Glaxo Inc., P.O. Box 13398, Research Triangle Park, NC 27709. Your letter must indicate the area you are interested in. (No Phone Calls or Agency Referrals, Please.) An Equal Opportunity Employer M/F/D/V.
Hiram College invites applications for a tenure-track position at the ASSOCIATE PROFESSOR level to begin August 1995. The primary area of responsibility will be MOLECULAR BIOLOGY and GENETICS. We are looking for candidates whose background and interest would allow them to teach courses from among the following areas: microbiology, immunology, developmental biology, biology for non-majors, and interdisciplinary courses. Successful candidates should have a Ph.D., a strong commitment to teaching, the capability of teaching undergraduate level, and be expected to involve undergraduates in research. The Biology Department has a fully equipped molecular biology laboratory, including a GC-MS, an HPLC and a scanning electron microscope. The department maintains a 260-acre field station, located three miles from campus, which includes a field laboratory and a pond area. The college is nationally recognized for its strong undergraduate biology program and for its commitment to interdisciplinary programs. Send letter of application, curriculum vitae, statement of philosophy on teaching and research, transcripts, and three letters of reference to: Dr. Matthew H. Hatfield, Chair, School of Veterinary Medicine, Hiram College, Hiram, OH 44234. Deadline for receipt of applications is 30 December 1994. Hiram College is an Equal Opportunity Employer and encourages applications from women and minorities.

The University of California at Davis invites applications from full qualified individuals for a Ph.D., or equivalent degree and advanced training (Ph.D. preferred) in a field related to endocrine, paracrine, or autocrine effects on cell structure and function. Applications, including curriculum vitae and three letters of recommendation, must be received by mid-August. The position is expected to be made at the ASSISTANT PROFESSOR level, but under exceptional circumstances experienced candidates with outstanding records will be considered for the more senior level. Rank for the position will be commensurate with the applicant's experience. Excellent opportunities exist in the area of microbiology. Successful candidates must be able to work with students in the areas of bacterial, fungal, and viral pathogenesis and interactions. Applications are encouraged to also consider a position in the area of cancer biology. Applications should include curriculum vitae, statements of teaching and research philosophy, and names of three references to: Michael Hatfull, Microbiology Search Committee Chair, c/o Linda Bentley, Department of Population Health and Reproduction, School of Veterinary Medicine, University of California, Davis, CA 95616. Applications will be accepted through December 31, 1994, or until a candidate is identified. The University of California is an Equal Opportunity/Affirmative Action Employer.

The University of California, Davis invites applications from full qualified individuals for a Ph.D., or equivalent degree and advanced training (Ph.D. preferred) in a field related to endocrine, paracrine, or autocrine effects on cell structure and function. Applications, including curriculum vitae and three letters of recommendation, must be received by mid-August. The position is expected to be made at the ASSISTANT PROFESSOR level, but under exceptional circumstances experienced candidates with outstanding records will be considered for the more senior level. Rank for the position will be commensurate with the applicant's experience. Excellent opportunities exist in the area of microbiology. Successful candidates must be able to work with students in the areas of bacterial, fungal, and viral pathogenesis and interactions. Applications are encouraged to also consider a position in the area of cancer biology. Applications should include curriculum vitae, statements of teaching and research philosophy, and names of three references to: Michael Hatfull, Microbiology Search Committee Chair, c/o Linda Bentley, Department of Population Health and Reproduction, School of Veterinary Medicine, University of California, Davis, CA 95616. Applications will be accepted through December 31, 1994, or until a candidate is identified. The University of California is an Equal Opportunity/Affirmative Action Employer.

VASCULAR BIOLOGY. The Department of Radiology at the University of Pittsburgh School of Medicine is seeking a radiologist with formal training or equivalent experience in vascular biology research. Candidates with a M.D. and Ph.D. are preferred for the study of vascular biology in the development of novel drug therapies. The candidate will be expected to establish an independent research program in the areas of vascular biology and imaging. The candidate will be expected to collaborate with other faculty members in the Department of Radiology and with other investigators in the University of Pittsburgh. Application materials should include current curriculum vitae, a summary of research accomplishments and current research interests, and the names of three references to: Dr. James A. White, Chair, Department of Radiology, University of Pittsburgh Medical Center, Pittsburgh, PA 15260. Applications should be received by November 30, 1994. The University of Pittsburgh is committed to a policy of affirmative action and equal opportunity for all individuals.
EUROPEAN COMMISSION
The Commission is seeking highly qualified candidates (grade A2)

COM/R/5542/94
DIRECTOR OF THE INSTITUTE FOR REMOTE-SENSING APPLICATIONS (ISPRA)

To organise, manage and coordinate the activities of the Institute at both a scientific and administrative level. These activities consist in particular of: □ the activities of institutional research related to applications of remote-sensing techniques and development of advanced techniques; □ the activities of institutional S & T support related to Earth Observation needs of the Commission services, notably in the field of Agriculture; □ the activities of S & T support to be allocated on a competitive basis by Services of the Commission; □ the participation in Indirect Action Programmes relevant to the competence of the Institute; □ the performance of Third Party Work for outside private and public organisations.

Recognised scientific competence based also on recent research activities, achievements and publications; □ established capability to manage research units resulting from actual experience; □ comprehensive vision of the further development of Earth Observation techniques and their enlarged utilisation by socio-economic operators; □ experience in the capture of research markets in the open marketplace.

COM/R/5543/94
DIRECTOR OF THE INSTITUTE FOR THE ENVIRONMENT (ISPRA)

To organise, manage and coordinate the activities of the Institute at both a scientific and administrative level. These activities consist in particular of: □ the activities of institutional research related to environmental protection and climate; □ the activities of institutional S & T support to other Services of the Commission related to the Environmental and Life Sciences issues; □ the activities of S & T support to be allocated on a competitive basis by Services of the Commission; □ the participation in Indirect Action Programmes relevant to the competence of the Institute; □ the performance of Third Party Work for outside private and public organisations.

Recognised scientific competence based also on recent research activities, achievements and publications; □ established capability to manage research units resulting from actual experience; □ comprehensive vision of present world environmental problems; □ experience in the capture of research markets in the open marketplace.

COM/R/5545/94
DIRECTOR OF THE INSTITUTE FOR ADVANCED MATERIALS (PETTEN)

To organise, manage and coordinate the activities of the Institute at both a scientific and administrative level. These activities consist in particular of: □ the activities of institutional research related to advanced materials, their characterisation and their applications; □ the activities of institutional S & T support related to materials issues; □ the activities of the High Flux Reactor; □ the activities of S & T support to be allocated on a competitive basis by Services of the Commission; □ the participation in Indirect Action Programmes relevant to the competence of the Institute; □ the performance of Third Party Work for outside private and public organisations.

Recognised scientific competence based also on recent research activities, achievements and publications; □ established capability to manage research units resulting from actual experience; □ comprehensive vision of the further development of the role of materials in science and technology; □ experience in the capture of research markets in the open marketplace.

Nationality: Candidates must be a national of one of the European Union's Member States; however, exemption is granted to all candidates of Austrian, Finnish, Norwegian or Swedish nationality.

Interested persons should send their applications with a detailed c.v. Before 1st of December 94 to:
Joint Research Center, Unit "Human Resources", I-21020 Ispra (VA).

The Commission's policy is to ensure equal opportunities for men and women.
UNIVERSITY OF TORONTO
DEPARTMENT OF CHEMISTRY
TENURE-STREAM APPOINTMENT

The Department of Chemistry, University of Toronto, invites applications for a tenure-stream position at the ASSISTANT PROFESSOR level in Environmental Chemistry, effective on or after July 1, 1994. Applicants should possess a strong academic background and an excellent research record in any aspect of Environmental Chemistry. The successful candidate will be expected to contribute to both graduate and undergraduate education and to establish an active research program. Responsibilities: to teach courses in environmental chemistry and to supervise graduate students. A Ph.D. is required. To be reviewed: December 19, 1994. Applications are to be sent to: The Chair, Department of Chemistry, University of Toronto, Toronto, Ontario, MSS 1A1.

UNIVERSITY OF VIRGINIA
Facility Positions in Pharmacology

Applications are invited for two tenure-track positions in the Department of Pharmacology to be filled at the rank of ASSISTANT PROFESSOR. The successful candidate will be expected to contribute to both graduate and undergraduate education and to establish an active research program. A Ph.D. is required. To be reviewed: December 19, 1994. Applications are to be sent to: Dr. E. Creutz, Chair, Faculty Search Committee, Department of Pharmacology, University of Virginia, Charlottesville, VA 22908.

FACULTY POSITION
MAMMALIAN MOLECULAR GENETICS

The Department of Biological Sciences at the University of Pittsburgh anticipates making one full-time tenure-track faculty appointment at the assistant professor or equivalent level starting in Fall 1995. The department seeks individuals for an active and innovative research program in any area of mammalian biology. A Ph.D. is required. To be reviewed: December 19, 1994. Applications are to be sent to: Dr. Robert Primack, Chair, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA 15260.

SCIENCE EDUCATION
BALLE STATE UNIVERSITY
Muncie, Indiana

Applications are invited for a tenure-track science education position at the assistant professor level in the Department of Biology available Fall 1995. The Department seeks candidates who are interested in teaching science education and who have a Ph.D. To be reviewed: December 19, 1994. Applications are to be sent to: Dr. Robert Primack, Chair, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA 15260.

ASSISTANT PROFESSOR
LIFE SCIENTIST

The Center for Latin American Studies at the University of Florida seeks to fill a tenure-track position as ASSISTANT PROFESSOR (advanced level) in a life science discipline such as wildlife ecology, forestry, botany, or zoology. Candidates must have a Ph.D. and demonstrated interest and experience in interdisciplinary research within the Center's biological and rural development theme. The position is shared between the Center for Latin American Studies and the academic department of the successful applicant's discipline. Responsibilities include: graduate and undergraduate teaching, both disciplinary and interdisciplinary; academic advising; program development and fundraising related to the Center's Tropical Conservation and Development Program; and research and publication on conservation and development questions in Latin America. A Ph.D. is required. To be reviewed: December 19, 1994. Salary is negotiable.

Send letter of application, curriculum vitae, two relevant reprints and three letters of recommendation by 15 December 1994 to: Professor Marianne Schimmick, Chair, Search Committee, Tropical Conservation and Development Program, Center for Latin American Studies, University of Florida, P.O. Box 115531, Gainesville, FL 32611-5531 USA.

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

PLANT BIOLGIST
TENURE-TRACK POSITION

Team-teach the botanical portion of an introductory organizational course, and teach a mid-level plant course that includes morphology and development of both cultivated and wild plants. Develop an additional upper-level course reflecting the individual's expertise, research interests and department needs. A Ph.D. is required. To be reviewed: December 19, 1994. Salary is negotiable.

The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

FACULTY POSITION
ECOSYSTEM SCIENTIST

The Department of Biological Sciences at the University of Pittsburgh anticipates making one full-time tenure-track faculty appointment at the assistant professor level in the Department of Biological Sciences available Fall 1995. The Department seeks candidates who are interested in teaching and conducting research in any aspect of ecosystem science. A Ph.D. is required. To be reviewed: December 19, 1994. Applications are to be sent to: Dr. Robert Primack, Chair, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA 15260.

EVOLUTIONARY BIOLOGIST
DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY
University of Arizona
Tucson, Arizona

The Department of Ecology and Evolutionary Biology seeks a biologist studying evolutionary change or diversification in plants or other groups of plants. A Ph.D. is required. To be reviewed: December 19, 1994. Salary is negotiable.

Send letter of application, curriculum vitae, three letters of recommendation to: Dr. Michael Nachman, Chair, Search Committee, Department of Ecology and Evolutionary Biology, University of Arizona, Tucson, AZ 85721-0081.

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

THREE TENURE-TRACK POSITIONS IN ENVIRONMENTAL STUDIES

Florida International University, the State University of Florida at Miami, has three tenure-track positions in the Department of Environmental and Resource Studies. Applications are invited for the ASSISTANT PROFESSOR level. Applicants must have a Ph.D. and an active research program; postdoctoral training is desired. Successful candidates will be expected to contribute to both graduate and undergraduate education and to establish an active research program in any area of environmental science. A Ph.D. is required. To be reviewed: December 19, 1994. Salary is negotiable.

Send letter of application, curriculum vitae, three letters of recommendation to: Dr. Robert Primack, Chair, Department of Biological Sciences, University of Pittsburgh, Pittsburgh, PA 15260.
WORLD AIDS FOUNDATION

The World AIDS Foundation (WAF) announces its intent to support research and education relating to AIDS in the developing world. The goal of the WAF is to facilitate information exchange and to assist developing countries to respond to the AIDS pandemic.

The main area of interest of the WAF is education for health professionals in developing countries, especially in-country training. This includes highly-focused workshops which enhance the scientific process and transfer knowledge needed in the effort against HIV infection and AIDS.

The Foundation is particularly interested in projects that are catalytic, and once in place could have a multiplicative effect. Projects that involve collaboration with the WHO Global Programme on AIDS are of particular interest. The WAF is also interested in applications that originate from developing countries and which emphasize collaboration between and among scientists, physicians and public health workers from developed and developing countries. Of special interest are projects which respond to the anticipated increase in HIV infection in South-East Asia and Western Pacific.

While the limit of any single funding request which may be made to the Foundation is $200,000, the average award is less than $100,000. Applicants are encouraged to make their proposed budgets as cost-effective as possible.

Application Procedures:

Concept letters and applications may be prepared in either English or French. Applicants should submit concept letters for initial consideration. Following review of concept letters, applicants may be invited to submit complete proposals. The annual deadline for receipt of concept letters is February 1. However, applicants are encouraged to submit their concepts as soon as possible to assure the greatest amount of time to develop their full proposals. Concept letters received at or close to the deadline could be at a significant disadvantage compared to applicants with more time to develop their full applications.

Concept letters and inquiries should be directed by mail or by fax to either:

World AIDS Foundation
Assistant Secretary for Health
c/o Director, Fogarty International Center
National Institutes of Health
Building 31, Room B2C02
31 CENTER DR MSC 2220
BETHESDA, MD 20892-2220 U.S.A.
Fax: (301) 402-2056

or

Fondation Mondiale SIDA
c/o Directeur de l'Institut Pasteur
28 rue du Docteur Roux
75724 Paris, Cadex 15 FRANCE
Fax: 0033-1-45688938
ANT/ASSOCIATE service, and supported by a generous start-up package including technical support. Salary range is $42,000 – $50,000, commensurate with qualifications: Ph.D. or Ph.D./D.V.M. in a biomolecular discipline, postdoctoral experience, and potential to establish a competitive research program. Applicants at the Associate level are expected to have established an externally funded research program. Areas of research interest for this position broadly encompass molecular and cellular infection disease, including the study of infectious bacterial, viral, or eukaryotic agents and the host of study responses to these agents. Interested applicants should send a summary statement concerning their research program including grant applications currently planned or submitted and should address the impact of their chosen disease model to veterinary medicine. In addition, applicants should send a curriculum vitae, up to three selected reprints, and arrange for three letters of reference to be sent to: Chair, Search Committee, Veterinary Molecular Biology, Montana State University, Bozeman, MT 59717-0360. Screening will begin January 10, 1995.

ADA (Equal Opportunity/Affirmative Action/Veterans Preference)

CLINICAL MICROBIOLOGIST

Applications are invited for a tenure-track position at the ASSOCIATE PROFESSOR level in the area of veterinary clinical microbiology in the Department of Microbiology at Colorado State University. Duties include dynamic clinical microbiology service at the Colorado State Veterinary Diagnostic Laboratory (50%), and teaching and research activities (50%). Candidates should possess Ph.D., D.V.M./Ph.D. or equivalent degree in microbiology, postdoctoral experience in a sub-specialty of clinical microbiology (i.e., bacteriology, virology, or immunology) is highly desirable. Candidates with experience in super-diagnostics, clinical microbiology services and in developing an innovative research program employing molecular techniques for investigation of infectious disease problems. Teaching will be expected in the Professional Veterinary Medical curriculum, and the graduate program in the Department. Submit a curriculum vitae, a summary of career interests, and request that three letters of recommendation be sent to: Dr. James K. Collins, Chair of the Search Committee, Department of Microbiology, Colorado State University, Fort Collins, CO 80523. Closing Date: December 31, 1994. Colorado State University is an Equal Opportunity/Affirmative Action Employer. Office: 21 Spruce Hall.

BIOLICAL SCIENCES: MESA STATE COLLEGE invites applications for two tenure-track ASSISTANT PROFESSOR positions in the Departments of Biology. Ph.D. required. Teaching 12 credit hours per semester upper division and introductory courses. Preference will be given to candidates with significant coursework and/or research in (1) invertebrate biology, with interests in plant/animal interactions or quantitative ecology or (2) microbial ecology. Send curriculum vitae, statement of teaching and research interests, all college transcripts, and names of three references to: Dr. Robert E. Kribel, Dean, School of Natural Sciences and Mathematics, Mesa State College, Box 2647, Grand Junction, CO 81502. Deadline January 17, 1995. Mesa State College is an Affirmative Action/Equal Opportunity Employer. Mesa State College is an Equal Opportunity/Affirmative Action Employer. All employees of the college must agree to be bound by our drug-free policy at a condition of employment.

ASSISTANT PROFESSOR. Assumption College seeks a Assistant Professor in Molecular Biology/Biochemistry at the assistant professor level in Biochemistry, Cell and Molecular Biology, and one or more related areas in Chemistry/Biology. Ph.D. required. Teaching 12 credit hours per semester lower division courses. Salary range is $32,000 – $35,000 and is renewable up to three years. Possibility of tenure-track. Candidates should be able to support the Catholic, liberal arts mission of the College. Submit application, including a statement of teaching philosophy, curriculum vitae, transcripts, and three letters of reference to: Dr. Annette A. B. Mathon, Division of Natural Sciences, Assumption College, 500 Salisbury Street, Worcester, MA 01615-0005. Assumption College is an Equal Opportunity Employer.

FACULTY POSITION IN BIOCHEMISTRY

The Department of Biochemical and Biophysical Sciences at the University of Houston invites applications for a tenure-track faculty position at the ASSISTANT PROFESSOR level. This is a full-time position that is expected to be available for the fall of 1995. Applicants must have a Ph.D. and demonstrate potential for both teaching and research excellence as evidenced by outstanding graduate and college level teaching experience. The successful candidate will be expected to establish a competitive research program supported by peer-reviewed funding. The candidate should have a strong interest in areas of protein/RNA enzymology including but not limited to mechanisms, structure, folding, molecular biology, and bioinformatics. The candidate will be expected to make a national and international impact and to have the potential to contribute significantly to the university's research mission. The position will begin in the fall of 1995. Inquiries about the position are encouraged. The review of applications will begin by January 15, 1995, and will continue until the position is filled. The University of Houston is an Affirmative Action/Equal Opportunity Employer. Applications consist of a curriculum vitae, names and addresses of three reference letters, and a letter of interest. The University of Houston is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

FACULTY POSITION IN BIOCHEMISTRY

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EASTERN WASHINGTON UNIVERSITY

BOTANY AND TERRESTRIAL PLANT ECOLOGIST

ASSISTANT PROFESSOR, tenure-track position, in botany, is available at Eastern Washington University, Department of Biology. Teaching responsibilities will include a three-quarter general biology sequence for majors, botany, and upper division or graduate special classes. The candidate will be expected to conduct research, direct graduate students at the Masters level, and develop a funded research program. The candidate will be expected to teach introductory biology, a first year seminar, and Advanced Botany. The search will remain open until the position is filled. 

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

A Tenure-Track Assistant Professor Position in Atmospheric Chemistry

EASTERN WASHINGTON UNIVERSITY

BOTANY AND TERRESTRIAL PLANT ECOLOGIST

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The University of Illinois is an Affirmative Action/Equal Opportunity Employer.
Pharmaceutical Science

At PARKE-DAVIS, our mission is the improvement of the human condition through the introduction of innovative pharmaceuticals. Our research center combines the intellect and motivation of 1500 distinct individuals into a strong, positive force for change in human health.

The creative energy that drives the success of our research effort is substantially the product of diversity. Our scientists are not only innovative, but also very different from one another in terms of physical characteristics, culture, experience, outlook, approach and perspective. It is the constant interaction of these differences that sparks the ideas that lead to discovery.

If you have a keen interest in pharmaceutical science, and enjoy the challenge and fulfillment of participating in leading-edge research in a diverse environment, please send your CV and references to Box JDM-01, Human Resources Department, PARKE-DAVIS Pharmaceutical Research, 2800 Plymouth Road, Ann Arbor, MI 48105. "Smoke-Free Work Environment"

Be rewarded for your research

The BFGoodrich Collegiate Inventors Program rewards university students and their faculty advisors doing research and innovative projects.

- Applications now being accepted for the 1995 National Competition.

Deadline: February 14, 1995, 5 P.M.
- Must be a full-time student in a U.S. college or university.
- Thousands of dollars in cash awards.

For information or applications call 1-800-968-4332 Ext. 1701

Administration by Inventure Place, home of the National Inventors Hall of Fame.

DEDICATED TO HELPING MANKIND

ASSISTANT PROFESSOR

The Salk Institute is seeking candidates to undertake independent research in the area of growth control yeast or animal cells in the Molecular Biology and Virology Laboratory (MBVL) of the Armand Hammer Center for Cancer Biology. Current areas of research in MBVL include: mechanisms of growth control and neoplastic cell transformation (W. Eckhart); molecular analysis of steroid receptors and neuroendocrine function (R. Evans); fission yeast cell cycle and DNA replication (S. Forsburg); growth control, oncogenesis and cell cycle progression (T. Hunter); molecular basis of vertebrate limb development (J.C. Izpisua Belmonte); HIV-1 transcriptional control (K. Jones); molecular genetics of chromosomal structure and inheritance in Drosophila (G. Karpen); regulation of development and differentiation in Drosophila (M. McKeown); protein tyrosine kinases and signal transduction (B. Setton); oncogenes and gene transfer (I. Verma); immortalization of human fibroblasts (M. Vogt); and cell cycle control, genetic stability and cell death (G. Wahl).

Interested individuals are invited to send an application to: MBVL Search Committee, The Salk Institute, 10010 N. Torrey Pines Road, La Jolla, CA 92037. Please include a curriculum vitae, description of present and future scientific endeavors, and three letters of recommendation. Applications will be reviewed beginning December 15, 1994.

RESEARCH ASSOCIATE

This postdoctoral position will work on the genetic and molecular control of floral initiation in Arabidopsis (Weigel et al., Cell, 69, 843-859; Weigel and Meyerowitz, Science 261, 1723-1726). Salk has previously cloned the LEAFY gene, which is the earliest known gene to be expressed in flowers and which promotes floral over shoot development. The successful applicant will study the function of LEAFY protein in vivo and in vitro. Must be highly motivated with strong background in molecular biology and/or biochemistry, preferably with transcription factors.

Interested individuals are invited to send inquiries to: Detlef Weigel, Ph.D., Plant Biology Laboratory, The Salk Institute, 10010 N. Torrey Pines Road, La Jolla, CA 92037. Please include curriculum vitae and three references.

The Salk Institute offers a highly interactive environment with a number of research groups working in the areas of molecular biology and neuroscience, and is part of an exciting molecular biology and biomedical community that includes UCSD, The Scripps Research Institute and La Jolla Cancer Research Institute. We offer competitive salaries and excellent benefits. The Salk Institute is an affirmative action employer. EOE.
ANIMAL PHYSIOLOGY/ANIMAL BEHAVIOR
Carleton College

Applications are invited for a full-time, tenure-track, position at the rank of ASSISTANT PROFESSOR in the Department of Biology. Teaching responsibilities include upper-level courses in animal physiology and in animal behavior, and participation in a team-taught introductory course. Research is expected to include upper-level courses and research in the context of a liberal arts college. Candidate will be expected to maintain a research program which encourages participation by undergraduates and to actively contribute to the educational efforts of the Department. Applicants must have a Ph.D. postdoctoral experience is highly advantageous. Applications are now being accepted. Send letter of application, curriculum vitae, and four letters of recommendation to: Dr. Robert B. Long, Chair, Department of Biology, Carleton College, Northfield, MN 55057-0025; by December 15, 1994. Carleton College is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are especially encouraged to apply.

BIOCHEMISTRY/MOLECULAR BIOLOGY
MEHARRY MEDICAL COLLEGE

Faculty positions are available in 1995 in the Department of Biochemistry at the level of ASSISTANT or ASSOCIATE PROFESSOR. Applicants must have a Ph.D. or M.D. degree, or both, and appropriate formal postdoctoral experience. Joint appointments in clinical departments at Meharry Medical College are possible. Applicants seeking individuals who have potential or demonstrated competence in the use of molecular biological or biophysical approaches or in fundamental biochemical/cell biological problem(s). Selected individuals must also be capable of, and committed to, making significant contributions to teaching and administration. Applicants should send curriculum vitae, a statement on teaching interests, names of four individuals who may be contacted for reference, and a summary of research project(s). Faculty positions are available to: Yeenj Y. Arinze, Ph.D., Chairman, Department of Biochemistry, Meharry Medical College, Nashville, TN 37208. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN GENETICS—Duke University Medical Center. Applications are invited for a tenure-track position in the Department of Genetics at Duke University. Although we are filling this position at the ASSISTANT PROFESSOR level, we will consider individuals for any level appointment. We are particularly interested in those individuals that are using mammalian systems or focusing on the genetics of human disease. Facilities and environment of the Department of Genetics are excellent. Applications should include a curriculum vitae, a brief description of research accomplishments, a brief description of plans for future research, and the names of three individuals who can serve as references. Address applications to: Genetics Search Committee, Department of Genetics, Duke University Medical Center, Box 3054, Durham, NC 27710. Duke University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF CHEMISTRY
Tenure-track position in Chemistry, available August 15, 1995. Duties include teaching undergraduate/graduate courses in organic chemistry and establishing an externally funded research program. A Ph.D. is required; postdoctoral experience is desired. The applicant should have interests and capabilities in organic chemistry with research efforts that complement ongoing programs in biochemistry, environmental chemistry, and polymer chemistry. Submit résumé, research plans, and three letters of reference by December 15, 1994 to: Dr. Robert L. Jordan, Chairman, Department of Chemistry, State University of New York—College of Environmental Science and Forestry, Syracuse, NY 13210. State University of New York—College of Environmental Science and Forestry is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

ASSISTANT PROFESSOR
DEPARTMENT OF MOLECULAR BIOPHYSICS AND BIOCHEMISTRY
YALE UNIVERSITY

The Department of Molecular Biophysics and Biochemistry seeks candidates at the level of ASSISTANT PROFESSOR in the general area of physical biophysical studies of macromolecular mechanisms. This would be an initial appointment for those who wish to interact with molecular biologists and biochemists as well as a large program in structural biology. The position is designed to develop an independent research program and to participate in departmental teaching. Candidates should submit two copies of a curriculum vitae with a summary of future research interests, and request that three letters of recommendation be sent no later than December 15, 1994, to: Thomas A. Steitz, Search Chair, Department of Molecular Biophysics and Biochemistry, 704 Yale University, P.O. Box 208114, 266 Whitney Avenue, New Haven, CT 06520-8114 USA

Yale University is an Equal Opportunity/Affirmative Action Employer and encourages applications from all qualified individuals.

FACULTY POSITION IN IMMUNOLOGY
Applications are invited for a full-time tenure-track position at the level of ASSOCIATE PROFESSOR. The Department of Biological Sciences, starting September 1, 1995, seeks to appoint an immunologist with a research program in one of the following areas: molecular immunology; immunology of cancer research; or molecular and cellular immunology. The successful candidate will be expected to develop a vigorous research program in an area of interest and to maintain an active research program and to participate in departmental teaching. Applications are invited from November 15, 1994, to March 1, 1995. The Department of Biological Sciences is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

FACULTY POSITION IN DEVELOPMENTAL BIOLOGY
Applications are invited for a tenure-track appointment at the Assistant Professor level in Developmental Biology at The University of Texas at Austin. In addition to teaching an interdisciplinary graduate program, the successful candidate will maintain an active research program and provide a laboratory for graduate students. The deadline for receipt of applications is January 15, 1995. Send letter of application, curriculum vitae, five letters of reference, and a statement of research interests, teaching philosophy, and plans for research to: Faculty Search Committee, Department of Molecular Biology, The University of Texas at Austin, 1 University Station, A1220, Austin, Texas 78712-0120. The University of Texas at Austin is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

ASSISTANT PROFESSORS OF BIOLOGY
(Two Positions)

1. ANIMAL PHYSIOLOGY, 2. ORNITHOLOGIST, and 3. ENTOMOLOGIST. Tenure-track, beginning August 15, 1995. Requires Ph.D. in relevant field; evidence of teaching and scholarly activity; ability to interact and communicate in English. Teach courses in areas of expertise and general biology. Do research and service. Send letter with goals, curriculum vitae, transcripts, and three references by 1 March 1995 to: Assistant Professor Search Committee, Biology Department, Oregon State University, Corvallis, OR 97331. An Equal Opportunity/Affirmative Action Employer. Women/Men/Disabled/Veterans encouraged.

BEHAVIORAL ECOLOGIST. ASSISTANT PROFESSOR, tenure-track, beginning fall 1995. Ph.D. required. Research projects will involve ecology, behavior, and evolution. Teach courses in introductory biology and college-wide programs; and to develop research program involving undergraduates. Send curriculum vitae, statement of teaching goals, three letters of reference, and transcripts to: Dr. David Jordan, Vice President for Academic Affairs, Austin College, Box 643, Sherman, TX 75090-0004. Austin College is a selective undergraduate institution with seven biology faculty. Review of applications begins December 15, 1994. An Equal Opportunity Employer.
Applications can be submitted at any time for postdoctoral positions beginning July 1, 1995. Persons from under-represented racial/ethnic groups are encouraged to apply to the following NIH programs; funding is limited to US citizens and permanent residents.

**Cell and Molecular Biology of the Urogenital System:** Support is available for MD or PhD scientists to study mechanistic aspects of urological diseases in model systems or humans. Faculty sponsors and research themes include:

- R. Chervenak, MD, renal-angiotensin system
- C. Desjardins, PhD, vascular cell biology
- W. Evans, MD, synthesis/secretion: peptide hormones
- C. Flickinger, PhD, cell biology of vasectomy
- R. Grootz, MD, control of renin gene expression
- T. Haystead, PhD, smooth muscle contractile mechanisms
- J. Herr, PhD, molecular biology of spermatogenesis
- B. Hinton, PhD, epididymis: cell and molecular biology
- S. Howards, MD, pathophysiology of varicocele
- H. Murphy, PhD, smooth muscle: signal transduction
- J. Sando, PhD, nuclear signalling: protein kinase C
- W. Stearns, MD, neurophysiological control of the bladder
- K. Tung, MD, mechanisms of tolerance and autoimmunity
- T. Turner, PhD, pathophysiology of the testis/epididymis
- J. Veldhuis, MD, neuroendocrinology of gonadal axis

**Cellular and Molecular Physiology of Reproduction:** Support is available for MD or PhD scientists to study mechanistic aspects of reproduction in model systems or humans. Faculty sponsors and research themes include:

- M. Brun, PhD, calcitropic hormones in pregnancy
- J. Castle, PhD, regulation of protein secretion
- D. Delta, MD, actions of insulin, activin, follistatin
- R. Day, PhD, transcription: prolactin gene expression
- C. Desjardins, PhD, microvessels and angiogenesis
- W. Evans, MD, luteinizing hormone synthesis/secretion
- C. Flickinger, MD, cell biology of vasectomy
- R. Foster, PhD, circadian physiology of reproduction
- D. Halsemeidler, PhD, neural control of gonadotropes
- M. Huligan, MD, drug resistance: ovarian tumors
- J. Herr, PhD, molecular biology of spermatogenesis
- B. Hinton, PhD, epididymis: cell and molecular biology
- M. Johnson, PhD, hormone secretion: math
- L.Login, MD, pituitary secretory function
- J. Marshall, MD, gonadotropin subunit gene expression
- M. Menaker, PhD, circadian control of reproduction
- E. Risman, PhD, GnRH neurons: environmental cues
- M. Shupnik, PhD, transcription: gonadotropin genes
- M. Thorne, MD, pituitary cells: neural hormone actions
- K. Tung, MD, mechanisms of tolerance and autoimmunity
- T. Turner, PhD, tests/epididymis, microenvironment
- J. Veldhuis, MD, hormone action on granulosa cells
- J. White, PhD, mechanisms of sperm-egg binding

Inquiries: Claude Desjardins, Medical Center Box 391, University of Virginia, Charlottesville, VA 22908. Telephone: 804-982-4310, FAX: 804-982-4310, Email: repro@virginia.edu.

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**JPL/NASA Visiting Senior Scientist**

**Astrophysics Division – High Energy Astrophysics**

The Jet Propulsion Laboratory invites applications to the Visiting Senior Scientist Program in the High Energy Astrophysics Branch of the Astrophysics Division at NASA Headquarters to assist in planning and budgeting, organizing peer reviews, administering research grants, liaison with the scientific community, mission planning and other branch duties. Current activities in the High Energy Astrophysics Branch include a Research and Analysis grants program, a suborbital flight program, on-going and developing space missions using free-flying satellites and international missions of opportunity. Current flight programs in orbit, in development, or in planning include ROSAT, Compton Gamma Ray Observatory, ASCA (Astro-D), X-ray Timing Explorer, SAC-B, High-Energy Transient Experiment, Spectrum-X Gamma, Astro-E, the Advanced X-ray Astrophysics Facility, and INTEGRAL. The position is to be filled by a scientist from outside NASA who will report to the Branch Chief for High Energy Astrophysics, Dr. Alan Bunner. A Ph.D. degree (or equivalent research experience) in X-ray astronomy or gamma-ray astronomy or a closely related discipline is desired. Tenured faculty investigators are the preferred choice. Familiarity with X-ray and/or gamma-ray astronomy and the associated technology is a plus.

Appointees are also expected to pursue their research at some level, and monthly two-day visits to their home institution are supported as are conference and other research-related travel and publication costs. For more information about the program and responsibilities, contact Dr. Alan Bunner at NASA Headquarters (202) 358-0341. Qualified individuals from non-profit research institutions may be considered, but tenured faculty members are the preferred choice. Normal assignment in the Visiting Senior Scientist Program does not exceed two years. Appointees must be U.S. Citizens or Permanent Residents, and are expected to return to their home institution following their NASA appointment. Please provide curriculum vitae, bibliography and the names of four references to:

Dr. Frederick Shair, M/S 183-900
Jet Propulsion Laboratory
4800 Oak Grove Drive, Pasadena, CA 91109
(818) 354-8251
An Equal Opportunity Employer M/F

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**BASIC BIOMEDICAL SCIENCES:**

- Ph.D. Programs: Anatomy and Neurobiology, Biochemistry, Microbiology and Immunology (also M.S.), Molecular and Cell Biology (also M.S.), Molecular Pathobiology, Neuroscience, Pharmacology (also M.S.), Physiology, Radiation Sciences (also M.S.), and M.D./Ph.D.

**HEALTH SCIENCE PROFESSIONS:**

- Master’s Programs: Creative Arts in Therapy (Art, Movement, Music), Clinical Microbiology, Emergency Medical Services, Family Therapy, Group Process and Group Psychotherapy, Laboratory Animal Science, Nurse Anesthesia, Entry-Level Physical Therapy and Advanced Physical Therapy with specialization in Orthopedics or Pediatrics.

- Ph.D. Programs: Clinical Psychology, Law/Psychology, Advanced Physical Therapy with specialization in Orthopedics or Pediatrics, and M.D./Ph.D.

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**MEDICAL COLLEGE OF PENNSYLVANIA AND HAHNEMANN UNIVERSITY**

**Graduate School**

The consolidation of Medical College of Pennsylvania and Hahnemann University means increased opportunities for students in the basic biomedical sciences and health-related fields. Tuition scholarships and stipends for Ph.D. and M.D./Ph.D. students are available for qualified applicants.

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**Medical College of Pennsylvania and Hahnemann University**

Graduate School
Broad & Vine, M.S. 480
Philadelphia, PA 19102-1192
(215) 762-1155
ASSISTANT PROFESSOR

MOLECULAR CELL BIOLOGY

The Department of Biology at the College of William & Mary invites applications for an entry-level, TENURE-TRACK FACULTY POSITION. The person we seek must be highly qualified to teach cell biology. Special emphasis will be placed on candidates who can demonstrate the potential to communicate effectively to large classes of students. We particularly encourage applications from individuals doing research in molecular aspects of cell biology who could contribute to our program in addition to a commitment to excellence in teaching. The successful candidate will be expected to establish a vigorous extramurally funded research program. The College of William & Mary has an enrollment of 7,700 students among five schools of which 5,400 are undergraduate. The department has 20 faculty and offers training through the master's level. Preference will be given to applicants with significant postdoctoral experience. Applicants should include curriculum vitae with publication list, a statement of teaching and research interests, and the names, addresses, telephone and FAX numbers of three individuals willing to submit letters of reference on request. Application materials should be submitted by December 1, 1994. Review will begin December 15, 1994.

ASSISTANT PROFESSOR

MOLECULAR BIOLOGY

The Department of Biology, University of California, Riverside, invites applications for tenure-track position at the ASSISTANT PROFESSOR level, available July 1, 1995, with duties commencing in September. We are particularly interested in candidates with a Ph.D. in Molecular Biology or related disciplines and at least two years of postdoctoral experience. We seek an individual who will establish and maintain an independent research program addressing fundamental questions related to the regulation of DNA replication, gene expression, or protein synthesis, and employing the tools of modern molecular biology such as recombinant DNA and transgenic approaches. The successful candidate will be expected to contribute to graduate student training and participate in undergraduate instruction. Opportunities are also available for membership in the Interdepartmental Genetics Graduate Program. Applicants should forward a curriculum vitae, statement of research and teaching interests, and three letters of reference to: Dr. Kathleen Sandmeyer, Chair, Search Committee, Department of Biology, University of California, Riverside, CA 92521-0430. Application deadline is November 20, 1994.

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THE NATIONAL RESEARCH COUNCIL
Postdoctoral & Senior Research
Associateship Awards

Opportunities for research in:
Chemistry • Earth and Atmospheric Sciences
Engineering, Mathematics and Applied Sciences
Life and Medical Sciences
Space and Planetary Sciences • Physical Sciences

• 400 awards for independent research at 110 laboratories
  within 31 participating U.S. Government agencies
• 12-month awards renewable for up to 3 years maximum
• Annual stipend for recent Ph.D. or M.D. graduates $30,000
to $45,500 depending upon sponsoring laboratory; stipend
appropriately higher for senior researchers
• Support for relocation and professional travel; health insurance
  program offered
• 3 annual award competitions for most participating laboratories

Applications accepted on a continuous basis throughout
the year. Those postmarked by January 15 will be reviewed
in the February competition, by April 15 in June and by
August 15 in October.

For application materials and information on
participating laboratories contact:
The National Research Council
The Associateship Programs
(TJ-2094/SB)
2101 Constitution Avenue, NW
Washington, DC 20418
FAX: (202) 334-2759

Qualified applicants will be reviewed without regard to
race, creed, color, age, sex or national origin.

Ph.D. Senior Scientist

RPI, a leader in the development of ribozyme-based
pharmaceutical and agricultural products, is
currently seeking a Ph.D. level Senior Scientist to
join our Drug Delivery group in our facility in
Boulder, Colorado.

The position requires 5+ years' postdoctoral or phar-
maceutical experience in the delivery of biopharmaceu-
ticals. You will be expected to lead the Drug Delivery
group and devise research programs to increase the effi-
cacy of our therapeutic ribozymes. A strong back-
ground in both biophysical chemistry and cell biology
is required, along with management experience.

We offer a competitive salary and benefits package,
including a stock option plan. For consideration,
please send a Curriculum Vitae and the names of
three references to: Ribozyne Pharmaceuticals, Inc.,
Dr. Nassim Usman, Director of Chemistry &
Biochemistry Research, 2950 Wilderness Place,
Boulder, Colorado 80301. FAX: 303-449-6995. We
are an equal opportunity employer.

THE SANTA FE INSTITUTE
announces

COMPLEX SYSTEMS STUDIES
in Santa Fe, Summer, 1995

For graduate students and postdoctoral fellows, the
Eighth Annual Complex Systems Summer School is an
intensive introduction to "complex" behavior in mathematical,
physical, and living systems. Topics include chaos, adaptive
computation, complexity and economics, evolution and the
immune response, stochastic processes in complex systems,
and plant ecosystems. Introductory "Tool-kit" sessions.
Interactive format encourages group and individual research
projects. Computer laboratory. Tuition support.

NSF's Research Experiences for Undergraduates Pro-
gram at SFI enables a select number of undergraduates to
work with faculty mentors on individual projects focusing on
the computational properties of complex systems. Projects
focus on adaptive computation; on the physics, mathematics,
information science, and computational aspects of complexity;
on economics as a complex adaptive system; and on the
life sciences including modeling of the immune system, the-
etrical neurobiology, genetic data analysis, theoretical ec-
ology, and models of protein folding.

Minorities and women are encouraged to apply. Further
information from:

Kimberly Bodelson
Santa Fe Institute
1399 Hyde Park Road
Santa Fe, NM 87501
505-984-8800; fax 505-982-0565
e-mail: education@santafe.edu

CELL BIOLOGY

The Department of Cell Biology in the Schools of Medicine and Dentistry
at UAB invites applications for two full-time, tenure-track position at the
ASSISTANT, ASSOCIATE, or FULL PROFESSOR level. Competi-
tive applicants will have a Ph.D. or equivalent degree, postdoctoral experience, and clear evidence of research productivity, creativity, and
independence. As the Department is committed to building an outstanding faculty with research expertise in cell and development biology, appli-
cants providing evidence of employing comprehensive approaches to the
investigation of fundamental problems in these areas will be seriously
considered. The successful candidate will be expected to develop a strong,
extramurally funded research program, to participate in the training of
Ph.D. candidates, and to contribute to departmental responsibilities asso-
ciated with graduate and professional student teaching. UAB is ranked in
the top 20 institutions in NIH-funded research and offers an unusually
interactive environment with state-of-the-art research facilities. The pres-
ence of multidisciplinary Centers and an interdisciplinary graduate pro-
gram in Cell and Molecular Biology fosters collaboration among the basic
science disciplines and between basic science and clinical faculty. Salaries
and start-up funds are competitive and commensurate with qualifications
and experience. Applications, including the names of three references, a
current curriculum vitae, and a summary of past accomplishments and
future research plans should be sent by November 23, 1994 to:

Dr. Vytas A. Bankaitis, Department of Cell Biology, The University of
Alabama at Birmingham, Birmingham, AL 35294-0005.

The University of Alabama at Birmingham is an Equal Opportunity/
Affirmative Action Employer.
PLANT CELL BIOLOGIST
Wake Forest University plans to fill a tenure-track position at the ASSISTANT PROFESSOR level, the specific area of expertise is open. Applicants should have postdoctoral experience, a record of research accomplishments, and demonstrated excellence in both teaching and research. Teaching responsibilities will include an upper-level undergraduate/graduate course in Cell Biology, as well as an undergraduate course in Cell and Molecular Biology. Participation at the graduate level includes direction of M.S. and Ph.D. students. Interaction is available with active cell and plant science interests. Applicants should provide a curriculum vitae and three letters of recommendation. The resume should include a description of research plans and objectives, a statement of commitment to excellence in teaching, a detailed description of teaching goals and experience. All materials should be sent to: Dr. M. J. Jaffe, Plant Cell Biology Search, Department of Biology, P.O. Box 7325, Wake Forest University, Winston-Salem, NC 27109 no later than January 3, 1995. Wake Forest University is an Affirmative Action/Equal Opportunity Employer.

ACTIVITY POSITION
DEPARTMENT OF BIOLOGY
UNIVERSITY OF OREGON
The Department of Biology at the University of Oregon invites applications for a tenure-track faculty position with joint membership in the Institutes of Molecular Biology and Neurosciences. We seek individuals with recent research in areas including genomics, virology, cell biology, and cell biochemistry. We prefer candidates with recent research activities in areas involving one or more of the following: 1. virus research, virology, molecular biology, and cell biology; 2. cell and developmental biology; 3. cell physiology and biochemistry; 4. cell and molecular ecology. Applicants should have a Ph.D. in Biology or a closely related field. Successful candidates will be expected to establish an active and externally funded research program and to participate in the teaching mission of the University. The University of Oregon is an Equal Opportunity/Affirmative Action Employer committed to diversity in its faculty, staff, and student body. Women and minority candidates are especially encouraged to apply. All applications (including letter, curriculum vitae, a statement of research and teaching interests, and three letters of recommendation) should be sent by December 1, 1994 to: Dr. Michael Houchen, Chair, Search Committee, Department of Biology, University of Oregon, Eugene, OR 97403-1210. The University of Oregon is an Equal Opportunity/Affirmative Action Employer committed to the principle of equal opportunity in all areas of employment. Women and minority candidates are especially encouraged to apply.

IMMUNOLOGY/MOLECULAR GENETICS
UNIVERSITY OF MIAMI
The Division of Hematology/Oncology, a component of the NIH-funded Sylvester Comprehensive Cancer Center seeks an ASSISTANT or ASSOCIATE PROFESSOR with laboratory experience and skills in cancer immunology or molecular genetics. The Division is expanding its training program in the linkage of its clinical research programs in breast cancer, gene transfer therapy, lymphoma and bone marrow transplantation with both the Department of Immunobiology and the Department of Pathology. The successful candidate must possess a strong background in immunology and cell surface receptor modulation of malignant cell proliferation and metastasis. Either Ph.D. or M.D. candidates will be considered for these positions. Please send a curriculum vitae, a letter describing your research interests, and the names, addresses, and telephone numbers of three potential references to: Peter A. Casali, M.D., Division of Hematology/Oncology, University of Miami School of Medicine, 1475 N.W. 12th Avenue (DB-4), Miami, FL 33136. The University of Miami is an Equal Opportunity Employer.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY
UNIVERSITY OF MARYLAND
College Park invites applications for a tenure-track position in BIOCHEMISTRY. Candidates at all levels will be considered, and applications at the ASSOCIATE or FULL PROFESSOR level are especially encouraged. Research areas of particular interest include, but are not limited to: protein folding and design, structure-function relations pertaining to signal transduction, gene expression, signal transduction in mammalian cells, and protein secretion. Candidates will also have the opportunity to participate in the campus-wide Program in Molecular and Cellular Biology. A short description of research plans, and a three letters of recommendation to be sent to: Prof. Douglas A. Janin, Biochemistry Search Committee, Department of Chemistry and Biochemistry, University of Maryland, College Park, MD 20742-2021. Evaluations begin on November 1, 1995, but new applications will be considered until the position is filled. University of Maryland, College Park, encourages applications from women and members of minority groups and is an Equal Opportunity/Affirmative Action Employer.

AMERICAN UNIVERSITY IN CAIRO
Applications are invited for the position of ASSISTANT, ASSOCIATE, or FULL PROFESSOR level for a specialist in Applied Solid State Physics (optoelectronics, laser applications, superconductivity) with a background in physics and the ability to teach in English, courses in applied solid state physics, general physics, and a university-wide course on scientific thinking. Applicants working in modern solid-state or applied physics in a North American context is preferred. Ph.D. required. Two-year appointment (renewable) begins September 1995. Rank, salary according to qualifications and experience. For candidates with a Ph.D., salary and rank will be commensurate with the level of achievement and potential. Send letter of application with curriculum vitae to: Amr Abdel El-Salam, American University in Cairo, 866 United Nations Plaza, Suite 517-H, New York, NY 10017, before December 1, 1994.

POSITIONS OPEN
ASSISTANT PROFESSOR OF ANATOMY
One tenure-track, 12-month faculty position at the ASSISTANT PROFESSOR rank. The initial contract is for two years and can begin January 1, 1995. Applicants must have completed a Ph.D. and have demonstrated excellence in both teaching and research. The major teaching would be in Gross Anatomy to Medical and Physical Therapy Students. As required by our current contract, you must be able to provide documentation verifying the right to work in the United States. Applicants should send a curriculum vitae and three letters of recommendation to: Rafi Younoszai, Ph.D., Chair, Search Committee, College of Osteopathic Medicine of the Pacific 309 East 2nd Street Pomona, CA 91766-1889 The College is an Equal Opportunity/Affirmative Action Employer and actively seeks applications from women and minorities.

POSITIONS OPEN
ASSISTANT PROFESSOR—BIOPHYSICS
The Department of Physics, Illinois Benedictine College, is planning to hire a tenure-track ASSISTANT PROFESSOR for fall 1995. Ph.D. required with a research interest in modern biophysics. Duties include: teaching introductory physics for life-health science majors, course development in biophysics, establishing and participating in undergraduate research programs in biophysics and molecular modeling. Illinois Benedictine College is a liberal arts college located in the research corridor of metropolitan Chicago with nationally recognized programs in the sciences. Initially, applicants should send curriculum vitae and a statement of teaching and research interests by November 23, 1994, to Duane Huckabee, Chair, Search Committee, Illinois Benedictine College, 5700 College Road, Lisle, IL 60532, Telephone: 708-960-1500 extension 4156. Illinois Benedictine College is an Affirmative Action/Equal Opportunity Employer; women and minority candidates are especially encouraged to apply.

POSITIONS OPEN
ASSISTANT PROFESSOR ORGANISMAL BIOLOGY
The Department of Biology, University of California, Riverside invites applications for a TENURE-TRACK POSITION in Animal Physiology. We seek an individual interested in mechanisms of animal function from an ecological/evolutionary perspective. Preferred research areas are: endocrinology; behavior; models of an organism or systems focus; (2) biomechanics or functional morphology; (3) nutritional physiology. Applicants should have at least one year of postdoctoral training, demonstrate an excellent track record of commitment to teaching both undergraduate and graduate students. The appointment is effective July 1, 1995, with duties commencing in September. To apply, send curriculum vitae, statement of research and teaching interests, copies of representative publications, and three letters of recommendation by January 20, 1995, to: Organismal Biology Search Committee, Department of Biology, University of California, Riverside, CA 92521. UC Riverside is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN
ASSISTANT PROFESSOR OF BIOLOGY, tenure-track position to begin August 1995. We seek a colleague with teaching and research responsibilities in development, coordination and regular participation in team-taught introductory biology. Applicants should be focused toward innovative approaches in both introductory lab and lecture. Pursuit of scholarly activities and publication in appropriate outlets are expected. Plant scientists are encouraged to apply. Ph.D. required. Send curriculum vitae, statement of research and teaching interests, a one-page position description and three letters of reference to: Dr. Omer R. Larson, Search Committee, Department of Biology, Box 90191, University of North Dakota, Grand Forks, ND 58202, Telephone 701-777-2053, Fax 701-777-2064, by January 1995. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN
MOLECULAR BIOLOGIST
For fall 1995, tenure-track ASSISTANT PROFESSOR of Molecular Biology. Responsibilities include teaching immunology, developmental biology, part of general biology, senior seminar, and academic advising. Required: Ph.D., strong commitment to teaching at the undergraduate level and to engaging students in research. Send letter, curriculum vitae, three letters of reference and salary expectations by December 1, 1995 to: Dr. William R. Swearingen, Biology Department, Mills College, Oakland, CA 94613. Founded in 1852, Mills is a liberal arts college for women offering 33 majors and 18 graduate programs (including post-baccalaureate/pre-medical) on a 135-acre campus in the diverse city of Oakland. Women and persons of color encouraged to apply. Affirmative Action/Equal Opportunity Employer.

SCIENCE EDUCATION tenure-track position(s)—one or two (ASSISTANT or ASSOCIATE PROFESSOR). Must hold doctorate specializing in Science Education and have course work in both a liberal arts/graduate level and in research approaches to teaching and learning. Potential for effective teaching, productive scholarly effort, and ability to communicate effectively on diverse campus all required. Further information: Diane Williams, Union College, 4900 Union College Pkwy, Albany, NY 12205. PHONE: 518-388-6233.

SCIENCE EDUCATION tenure-track position(s)—one or two (ASSISTANT or ASSOCIATE PROFESSOR). Must hold doctorate specializing in Science Education and have course work in both a liberal arts/graduate level and in research approaches to teaching and learning. Potential for effective teaching, productive scholarly effort, and ability to communicate effectively on diverse campus all required. Further information: Diane Williams, Union College, 4900 Union College Pkwy, Albany, NY 12205. PHONE: 518-388-6233.
Postdoctoral Research at The Wistar Institute

The Wistar Institute offers Postdoctoral training in Molecular Genetics, Virology, Cell & Molecular Biology, Developmental Biology, Immunology, and Structural Biology. Fellows can anticipate a stimulating and challenging experience in an environment characterized by strong, interdisciplinary collaboration and state-of-the-art biotechnology.

Wistar is an independent, non-profit biomedical research institution with close collaborative relationships with the University of Pennsylvania and other major research and clinical organizations within the Philadelphia region. The Wistar Institute is an NIH-designated Basic Cancer Research Center.

Eligible fellows will be funded by a training grant awarded by the National Cancer Institute of the National Institutes of Health. We have an active minority recruitment program and strongly encourage minority candidates to apply.

Interested Postdoctoral applicants are requested to send a C.V. and the names of three (3) references to the Coordinator of Research Training, THE WISTAR INSTITUTE, 3601 Spruce Street, Philadelphia, PA 19104, EOE, M/F/D/V.

THE UNIVERSITY OF LEEDS
DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY AND DEPARTMENT OF GENETICS
RESEARCH FELLOWS—2 POSTS

The above BBaRC funded posts are available immediately for a fixed period of up to 3 years to work on the structure of photosystem II (Nature 363, 470-472). One post will be based at the University of Leeds, the other at UMIST in Manchester. A PhD or equivalent qualification is required. Research experience in membrane protein biochemistry and/or electron microscopy and image analysis is sought, although applicants with a background in X-ray crystallography will also be considered.

Starting salary will be on the scale for Research Staff Grade IA within the range £13,941-£15,566 according to qualification and relevant experience.

Informal enquiries about the post may be made to Dr. A. Holzenburg, tel +44 0533 233 2590 or Dr. R. Ford tel +44 061 200 4167.

Applications forms and further particulars may be obtained from the Personnel Office (Academic Section), The University of Leeds, LS2 9JT, tel 0532 335771, e-mail j.m.cox@registry.leeds.ac.uk quoting the reference number 83/159.

Closing date for applications 25 November 1994.

The University of Leeds promotes an equal opportunities policy.

DIRECTOR, CLINICAL SCIENCES
Give your future a new perspective at Datoscope!

Datoscope Corp., a success oriented company with an eye on the future. Our dedication to excellence in the manufacture of patient monitoring systems and cardiac assist products has created a technically challenging environment that motivates and recognizes achievement. If you’re the kind of professional who thrives in such a setting, we invite you to consider this newly created position.

Based at our Montvale, NJ headquarters, the successful candidate will be responsible for providing overall scientific guidance and direction for proposed clinical studies. Specific duties will encompass: reviewing drafts of clinical protocols, case report forms, clinical study reports, etc. to ensure scientific soundness; reviewing prioritizing clinical projects; assisting in responding to product submission FDA/governmental questions concerning clinical trial issues; and participating in clinical trial and departmental financial planning as well as related budget management. Approximately 20% travel is involved.

To be considered, you must possess 6-8 years of related medical device manufacturing and/or academic experience and, preferably, a Ph.D. in biological or pharmacological science. Previous FDA/PMAs or drug approval experience, strong biostatistical skills, and excellent communication skills are essential pre-requisites of this position. Solid knowledge of cardiovascular anatomy and physiology is preferred.

This position offers an attractive compensation and benefits package as well as on-going professional challenge.

For consideration, please forward your resume with salary requirements in confidence to: Manager, Human Resources, Dept. DCS, Datoscope Corp., 14 Phillips Parkway, Montvale, NJ 07645. We appreciate your interest, but only those candidates who best meet our requirements will be contacted. We are an equal opportunity employer committed to a smoke free workplace.

GERI

Sr. Research Scientist
Bio-Rad Laboratories is a world leader in the fields of life science research products, clinical diagnostics and analytical instruments. Our continued growth has created a need for a dynamic scientific professional to work in our Molecular Diagnostics Division.

The successful candidate will have an MS or PhD in Molecular Biology or Biochemistry with 3+ years experience in nucleic acid technology and DNA amplification methodology. Experience in product development and strong writing skills desired.

For consideration, please send your resume to: Bio-Rad Laboratories, 2000 Alfred Nobel Dr., Dept. 565, Hercules, CA 94547. EOE MFDV.
POSITION OPEN

MOLECULAR MICROBIOLOGIST
UNIVERSITY OF NEBRASKA

Biological Sciences invites applications for a tenure-track ASSISTANT PROFESSOR position with research emphasis in microbial biology. Development of a vigorous research program and participation in quality undergraduate and graduate education are expected of candidates with Ph.D. and postdoctoral experience. Candidates should have a Ph.D. degree in molecular biology and a commitment to teaching. The candidate is expected to teach medical biochemistry. The University of Nebraska-Lincoln is a pluralistic campus community through Affirmative Action/Equal Opportunity and is responsive to the needs of dual career couples. We are an ADA compliant University under ADAA, contact D. Jack Morris at the above address.

The Division of Endocrinology and Metabolism and the Department of Biological Chemistry at the University of California, Irvine (UCI), invite applications and nominations for an endocrinologist to fill the ASSISTANT PROFESSOR level. Candidates should have expertise in molecular and cellular approaches to the study of the endocrine system. Preference will be given to candidates with an M.D. degree and either a Ph.D. degree or extensive research training. A strong record of research accomplishments with the potential to develop an independent research program is highly desirable. Applicants should have a demonstrated commitment to excellence in molecular biochemistry and endocrinology and to promoting a fertile environment for interaction and collaborative efforts. Interested applicants should submit their curriculum vitae and a statement of research interest and arrange for at least three references to be sent to: Dr. Murray Korc, Endocrinology and Metabolism, University of California at Irvine, Irvine, CA 92717-4086. UCI is an Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF KENTUCKY
SCHOOL OF BIOLOGICAL SCIENCES
FACULTY TEACHING POSITIONS

The T. H. Morgan School of Biological Sciences invites applications for two tenure-track positions that we anticipate filling at the ASSISTANT PROFESSOR level in the fall of 1995. Primary teaching responsibilities will be in introductory biology coursework. Possible involvement in mid-level and advanced undergraduate courses. Classroom experience in an excellent program in undergraduate education is essential. Please send a curriculum vitae, a statement of teaching interests and the names of three references by November 30, 1994, to: Dr. William Langley, Search Committee Chair, T. H. Morgan Building, University of Kentucky, Lexington, KY 40506-0225. An Equal Opportunity/Affirmative Action Employer.

LANDSCAPE ECOLOGIST

We seek a broadly trained individual to fill a position as a RESEARCH ASSISTANT PROFESSOR to develop independent research programs with a Great Lakes emphasis in areas such as lake and coastal habitats, wetlands, or urban environments, and to participate in graduate teaching and advisement at the ASSISTANT PROFESSOR level. Applicants are expected to have a Ph.D. degree in ecology or related field. Preference will be given to those who can develop an independent research program addressing ecosystem-level questions related to the Great Lakes. Applications (see below for reference) must be submitted by January 15, 1995. A Ph.D. degree in ecology or related field is required. Initial ten-month appointment with potential for renewal. Send curriculum vitae and names of three references to: Dr. Stephen Brandt, Great Lakes Center, SUNY Colleague at Buffalo, 1300 Elmwood Avenue, Buffalo, NY 14222. Review of applications will begin December 1, 1994. An Equal Opportunity/Affirmative Action Employer.

NEW MEXICO STATE UNIVERSITY

We seek a strong administrator with academic credentials and management skills required to effectively lead a large, comprehensive land-grant university and administer research and education programs. Submit applications by January 1, 1995, to: President Search Committee, Box 30001, Department 3923, Las Cruces, NM 88003, USA.

POSITION OPEN

ASSISTANT/ASSOCIATE PROFESSOR OF BIOCHEMISTRY

The Basic Sciences Division invites applications for a tenure-track, 12-month faculty position at the ASSISTANT/ASSOCIATE PROFESSOR level. Applicants must have a Ph.D. in biochemistry and a commitment to teaching. The candidate is expected to teach medical biochemistry. The University of Nebraska-Lincoln is committed to a pluralistic campus community through Affirmative Action/Equal Opportunity and is responsive to the needs of dual career couples. We are an ADA compliant University under ADAA, contact D. Jack Morris at the above address.

The Ohio State University invites applications for the position of DIRECTOR of Plant Molecular Biology and Biotechnology (PMBB). The PMBB group focuses on faculty involved in research and teaching in plant molecular biology and biotechnology at The Ohio State University; the group includes faculty in plant molecular mechanisms, plant secondary metabolisms in plant development, plant productivity, and plant microbe interactions. Currently, there are 23 faculty involved in basic and applied research in PMBB on the main campus in Columbus and at the Ohio Agricultural Research and Development Center in Wooster. The Director will become a tenured Professor in one of the participating departments. The candidates will be expected to maintain a world-class, extramurally supported research program. In addition, the Director will promote interdisciplinary and individual research efforts, and will lead initiatives to involve state agencies and industry and commodity-oriented groups in the PMBB mission. The Director will lead efforts to recruit at least five additional faculty over the next three years. An attractive start-up package, competitive salary, and an excellent research laboratory suite will be provided. Applications, curriculum vitae, and the names of four references should be sent to: F. Robert Tabba, Head of the PMBB Search Committee, Office of the Dean, College of Biological Sciences, The Ohio State University, Room 148A, Biosci, 484 West 12th Avenue, Columbus, OH 43210-1192. 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.

HARVARD UNIVERSITY
DEPARTMENT OF PHYSICS

The Department of Physics at Harvard University is considering making a tenured appointment at the rank of PROFESSOR in the field of experimental atomic, molecular, and optical physics. The successful candidate should have a demonstrated record of distinguished experimental work in this field and be capable of leading an outstanding research program. He or she should also be an excellent physics teacher for undergraduate and graduate students. Applications should send curriculum vitae and a short description of research plans and have three letters of recommendation to: James T. Stull, Ph.D., Department of Physics, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75235-9040. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

The Department of Physiology invites applications for one assistant professor position (tenure-track). Ph.D. degree or equivalent with three years of postdoctoral training. Candidates who plan to develop an independent research program in cellular, molecular or biophysical aspects of cell signaling systems or membrane biology are especially encouraged to apply. However, excellent candidates in all areas of cell physiology will be given serious consideration. Applicants should submit curriculum vitae and a brief statement of research plans and have three letters of recommendation to: James T. Stull, Ph.D., Department of Physiology, The University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Boulevard, Dallas, TX 75235-9040. An Equal Opportunity/Affirmative Action Employer.

SCIENTIFIC DIRECTOR

Blood Systems Inc., an established blood provider for fifty plus years, is recruiting a SCIENTIFIC DIRECTOR. Position is responsible for providing scientific expertise and direction in the area of stem cell biology and processing. Licensed physician or Ph.D. in cell biology or related field is expected to have at least eight years of experience in cell biology and progenitor cell processing. Expertise in collection, processing, storage and infusion of progenitor cells. Knowledge of ALL ACPMP’s for human somatic cell therapy. Experience working with regulatory agencies. Comprehensive relocation package offered. If interested please submit letter and resume to: Blood Systems Inc., 6210 East Oak Street, Scottsdale, AZ 85257, Attn: Christine Darragh/SD. Equal Opportunity Employer, Male/Female/Disabled/Veterans.

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California State University, Long Beach
Department of Biological Sciences

FOUR Tenure-track positions beginning Fall 1995 in:
MARINE MICROBIOLOGY: Primary teaching responsibilities in marine microbiology and bacterial physiology. Preference given to applicants with research expertise in use of molecular techniques for studying marine microbiological processes in the coastal environment.
WETLANDS PLANT ECOLOGY: Primary teaching responsibilities in plant ecology and plant physiolog. Preference given to applicants with research expertise in wetland and estuarine plant ecology who can collaborate with our terrestrial and marine ecologists.
POPULATION GENETICS: Primary teaching responsibilities in general genetics and population genetics. Preference given to applicants with field and laboratory research experience in population/evolutionary genetics using molecular techniques.
COMPARATIVE ANIMAL PHYSIOLOGY: Primary teaching responsibilities in system-level comparative physiology. Preference given to applicants with research expertise in physiology of marine organisms at the system, cellular or molecular level.

Candidates must have a strong commitment to teaching at the undergraduate and M.S. levels, participate in introductory courses in an ethnically and culturally diverse campus community. Applicants will be expected to show potential for teaching in the required subject area(s) and for developing and sustaining an independent, externally funded, research program involving students. Research start-up funds available; may be supplemented with funds from the Howard Hughes Medical Institute. Applicants with a Ph.D., postdoctoral experience and a record of published research should submit a letter of application, curriculum vitae, brief statement of research and teaching interests, and 3 letters of recommendation to: Dr. D.L. Soltz, Chair, Dept. of Biological Sciences, California State University, Long Beach, CA 90840-3702. FAX: (310) 985-2315. Deadline: November 1, 1994 or until filled. California State University, Long Beach is an Equal Opportunity/Affirmative Action/Title IX Employer.
POSITIONS OPEN

HEAD
MOLECULAR AND CELL BIOLOGY PROGRAM
THE UNIVERSITY OF TEXAS AT DALLAS

The Molecular and Cell Biology Program of the University of Texas at Dallas invites applications and nominations for the position of PROGRAM HEAD. Candidates should have strong administrative and interpersonal skills, and be scholars with superior records in research, grant support and teaching to qualify for appointment as Professor with tenure. The research expertise of applicants is open but should be in the general area of molecular and cell biology in keeping with the focus of the Program. A competitive package of support resources will be custom-tailored to meet the requirements of the successful candidate. The target starting date is 1 September 1995. The Molecular and Cell Biology Program focuses on basic research and education at the doctoral and undergraduate levels. The University of Texas at Dallas has the highest freshmen entrance requirements for public universities in the State of Texas and is undergoing rapid expansion of its freshmen and sophomore population, of which 15 to 20% are majors in Molecular and Cell Biology. The new Program Head should have the skills, energy, and vision to lead the Program through the expansion period while maintaining the existing quality of the Program. Applicants should send a curriculum vitae, a short description of research interests, and names of three or more references to: Academic Search Number 2016, The University of Texas at Dallas, P.O. Box 830688, Richardson, TX 75083-0688. Review of applications will begin immediately and continue until the position is filled. Indication of sex and ethnicity is requested. A statement of citizenship is requested as part of the application but not required. The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer.

PROFESSOR AND HEAD, Department of Agronomy
The University of Nebraska-Lincoln is seeking candidates for the position of Professor and Head of Agronomy to be responsible for the administration and leadership of the department's teaching, research, extension, and international activities and for program and professional development of departmental faculty. Requires Ph.D. in Agronomy or related discipline; eligibility for faculty rank of Professor; documented leadership record and strong communication, planning, and personnel management skills in university, governmental agency or industry setting; experience in establishing cooperative ventures in implementing cutting-edge technology and innovative programs; and the ability to communicate a clear vision for Agronomy. Applications should include a letter of interest, current résumé, and the names, addresses and telephone numbers of three references. Send applications postmarked by December 15, 1994 (or until a suitable candidate is found thereafter), to: Dr. L. E. Moser, Chair, Agronomy Search Committee, INR Vice Chancellor's Office, University of Nebraska-Lincoln, P.O. Box 830708, Lincoln, NE 68583-0708. University of Nebraska-Lincoln is committed to a pluralistic campus community through Affirmative Action and Equal Opportunity and is responsive to the needs of dual career couples. We assure reasonable accommodation under the Americans With Disabilities Act. Contact Dr. Moser at 402-472-1558 for more information on the position.

DEPARTMENT HEAD, DEPARTMENT OF ENTOMOLOGY: The University of Nebraska-Lincoln invites applicants for the position of Head of the Department of Entomology. Requires Ph.D. in entomology or related field; qualification for the rank of professor and tenure; demonstrated effectiveness in teaching, research and/or extension; and a proven ability to relate to faculty and staff, students, alumni, and clientele/public general. Strong leadership capabilities and communication skills are essential. Letters of application with current résumé and names, addresses and telephone numbers of three references should be postmarked by January 31, 1995. Application materials are to be submitted to: Larry Sherman, Chair, Search Committee, University of Nebraska-Lincoln, INR Vice Chancellor's Office, University of Nebraska-Lincoln, P.O. Box 830708, Lincoln, NE 68583-0708. University of Nebraska-Lincoln is committed to a pluralistic campus community through Affirmative Action and Equal Opportunity and is responsive to the needs of dual career couples. We assure reasonable accommodation under the Americans With Disabilities Act, contact Dr. Sherman at 402-472-8669 for more information.

POSITIONS OPEN

PHYSIOLOGY AND BIOPHYSICS CHAIR
Department of Physiology and Biophysics, University of South Florida College of Medicine. The University of South Florida is one of the nation's leading universities. Applicants should be Ph.D. or M.D., or be eligible for Ph.D. or M.D. degree if working toward completion. Successful candidates are expected to develop research programs in innovative areas of physiology and biophysics and to participate in the education of M.D. and Ph.D. students. The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Applicants are encouraged to apply.

YALE UNIVERSITY SCHOOL OF MEDICINE
ASSISTANT PROFESSOR OF GENETICS
(CLINICAL CYTGENETICS)
The department of Genetics invites applications for an ASSISTANT PROFESSOR position in the area of Clinical Cytogenetics with expertise in cytogenetic analysis of clinical materials including prenatal diagnosis specimens, blood cells, and bone marrow cells. Applicants should have experience in the day-to-day management of a clinical cytogenetics laboratory, an M.D. or Ph.D. degree, and be certified or eligible for certification in clinical cytogenetics by the American Board of Medical Genetics or equivalent. Applicants must possess administrative, leadership and communication skills. The successful candidate is expected to implement a strategic plan for a research program that integrates the research activities of the Department as a whole and the University. This position will be a tenured position at the Yale University Medical Center. Candidates are encouraged to submit their curriculum vitae, statement of research interests, and names and addresses of at least three references to: Cytogenetics Faculty Search Committee, Yale University School of Medicine, P.O. Box 208005, New Haven, CT 06520-8005. Attn: Irene Sherman. The deadline for receipt of applications is January 15, 1995. Yale is an Equal Opportunity/Affirmative Action Employer; women and minorities are encouraged to apply.

EXECUTIVE VICE CHANCELLOR
THE UNIVERSITY OF KANSAS MEDICAL CENTER

POSITIONS OPEN

MOLECULAR GENETICIST
BIOMETRIST

The department seeks two ASSISTANT PROFESSORS: one in MOLECULAR GENETICIST, to develop a research program in genetic diseases or in similar areas of biological research; and one in BIOMETRIST, to develop a research program in genetic and environmental statistical methods. Both positions require Ph.D. or M.D. degrees. Applicants should have strong research programs and indications of significant productivity. The department seeks faculty with sensitivity to goals and needs of ethnically and culturally diverse students. Persons of Minority or women candidates are strongly encouraged to apply. Review of applications will begin immediately. All applications and nominations should be sent to: Daniel Holland, M.D., Chair, Search Committee for Executive Vice Chancellor, c/o Office of Affirmative Action, UNL at the University of Nebraska, 1001 Nims Hall, The University of Kansas, Lawrence, KS 66045. The University of Kansas is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

The VA Medical Center in Kansas City, Missouri, a D.O./D.C. College of Medicine of the University of Kansas Medical Center, is recruiting an ASSOCIATE CHIEF OF STAFF (ACOS) for Research and Development. Candidates possessing an M.D. or M.D./Ph.D. degree are encouraged to apply. To qualify as a candidate, must have achieved sufficient stature as a research scientist and academician to qualify for appointment to the faculty at the affiliated University of Kansas Medical Center. Applicants must possess administrative, leadership and communication skills. The successful candidate is expected to implement a strategic plan for a research program that integrates the strengths of the Division of Research and Development and the VA Medical Center. This includes the development of a mentoring program for investigators at the VA. In addition, the ACOS will be expected to establish and maintain an externally funded research program at the VA. Qualified individuals should submit a statement of interest, curriculum vitae, and the names of three references to: Barry Laskow, M.D., Chair, Psychiatry Service, VA Medical Center, 4801 Linwood Boulevard, Kansas City, MO 64128.

ENDOWED CHAIR IN PHYSICAL CHEMISTRY UNIVERSITY OF CALIFORNIA, SAN DIEGO

The Distinguished Chair of Physical Chemistry has been created at the Department of Chemistry and Biochemistry, a department of the University of California, San Diego. This is a full, tenured professorship, salary to be commensurate with experience and is based on the University of California salary scale, plus benefits. Applications are encouraged from individuals with interest, and recommendations of others who should be considered are most welcome. Please submit to: Professor Katja Lindenbarg, Chair-02, Department of Chemistry and Biochemistry, UCSD, La Jolla, CA 92093-0332 USA. All areas of physical chemistry, including applications of physical chemistry to other branches of chemistry and to other fields of science, including atmospheric chemistry, physical, biological and materials sciences, will be considered. All applications received by November 15, 1994, or thereafter until the position is filled, will be assured consideration. The University of California is an Affirmative Action/Equal Opportunity Employer.

The University of Iowa Department of Internal Medicine is seeking FACULTY positions in gene therapy and molecular genetics for the Division of Cardiovascular Medicine. Qualifications include Ph.D. or M.D./Ph.D. degree. Expertise in gene transfer and gene therapy; molecular genetics or molecular biology; and the ability to be an independent investigator. The faculty member will direct a research program competitive for NIH and other external funding are desirable. Salary is based on the academic level of entry and is commensurate with the qualifications and responsibilities. Applications and nominations should be sent to: Daniel Holland, M.D., Chair-Search Committee for Executive Vice Chancellor, c/o Office of Affirmative Action, University of Iowa, College of Medicine, Iowa City, IA 52242. The University of Iowa is an Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
POSTDOCTORAL FELLOWSHIPS

DNAX Research Institute, located near Stanford University, carries out basic research in Immunology and Molecular Biology in an open, academic environment. We are looking for several individuals to work as Postdoctoral Fellows for a period of two to three years who can contribute to our enthusiastic and productive research program.

Fellowships are available immediately in the following areas:

- Studies of NKC development and characterization of novel NKC signal transducing molecules
- The molecular biology of NK cell receptors
- The role of cytokines in the regulation of normal and malignant hematopoiesis
- Additional fellowships in Molecular Biology and Immunology are also available

Qualified applicants should send a curriculum vitae, statement of research interests, and the names of three references to DNAX Research Institute of Molecular and Cellular Biology, 901 California Avenue, Palo Alto, California 94304-1104. An equal opportunity employer m/f/h/v.

Opportunities in Science

Alpha Therapeutic Corporation, a global leader in the pharmaceutical manufacturing industry, is seeking the following professionals at our Southern California location:

- Manager, Biological Control
- Bio-Analytical Scientist
- R&D Scientist
- Regulatory Specialist/Manager
- Quality Engineer
- QC Lab Tech
- Lab Specialist
- Clinical Research Associate
- Validation Specialist

We offer salaries commensurate with experience, excellent benefits and an opportunity to be a part of our growth and success. Send resume/salary history to: Alpha Therapeutic Corporation, HR Mail Stop RL-1221, 5555 Valley Blvd., Los Angeles, CA 90032. AA/EEO.

St. Jude Children’s Research Hospital Announces The St. Jude Scholars Program For Physician-Scientist Training

To meet the national demand for physicians qualified to bring recent advances in molecular biology to bear on problems of human disease, St. Jude Children's Research Hospital has established a program supporting intensive, laboratory-based research training for physicians. Each award provides three years of funding for advanced research training at St. Jude Children’s Research Hospital, carried out in the laboratories of recognized leaders in biomedical research.

- Eligibility -

Interested persons may apply for a St. Jude Scholars position at any time during or after their training leading to an M.D. or M.D./Ph.D. degree. Generally, applicants will be accepted into the program after they have completed one or more years of residency training, at a time when they are ready to commit virtually all of their time to laboratory investigation. However, we encourage interested candidates to apply as early as possible, so that plans can be made to optimally integrate clinical and laboratory training to meet the special needs of each candidate. Applicants must have had sufficient research experience to have demonstrated potential as creative investigators and have made a commitment to pursue a career in laboratory research. It is anticipated that candidates will eventually complete residency training or subspecialty training in pediatrics, internal medicine, pathology, neurology, radiology, or surgery — either before or after their three years of laboratory research training at St. Jude.

With rare exceptions, applicants must be either U.S. citizens or noncitizens admitted for permanent residence.

- Scholarship Terms -

Each award provides financial support for three years of laboratory research training. Clinical responsibilities during this period are limited to a half day or less per week. The initial stipend will be $40,000 to $50,000 per year, depending on the candidate's time and the candidate has been accepted into the program. St. Jude provides fellowship training, with appropriate increases during the second and third years of training. Funds for supplies, travel to scientific meetings and fringe benefits are also provided. Continuation of fellowship beyond the first year is based on a satisfactory performance review by the scholar's mentor and the program's advisory committee.

- Application -

Please submit 1) a two-page letter describing your career goals and type of training desired, 2) a curriculum vitae, and 3) the names, addresses and telephone/FAX numbers of three faculty members who are familiar with your academic and clinical performance. One of these faculty members should be the director of your current clinical or research training program. The most promising applicants will be invited to St. Jude Children’s Research Hospital for interviews with laboratory directors and the selection committee.

Applications and inquiries should be addressed to: A. Thomas Look, M.D., Chairman, St. Jude Scholars Program for Physician/Scientist Research Training, St. Jude Children’s Research Hospital, 332 N. Lauderdale, Memphis, TN 38105.

Equal Opportunity Affirmative Action Employer
POSITION OPEN

ANALYTICAL CHEMISTRY/NEUROCHEMISTRY: The Department of Chemistry at Trinity College invites applications for a tenure-track position in Analytical Chemistry/Neurochemistry to begin fall 1995. Candidates should have a Ph.D. in analytical chemistry and be prepared to offer introductory and upper-level courses in instrumental analysis, and introductory chemistry. The successful candidate should also be prepared to devote 40% of their time to the Center Program for Gifted Young Students. The position requires commitment to undergraduate teaching and research. Applications that include a brief vita, a statement of research interests, and the names, addresses, and telephone numbers of three references should be sent to: Richard V. Prigodich, Chairman, Department of Chemistry, Trinity College, Hartford, CT 06106. Telephone: 203-286-2120. Email: richard.prigodich@mail.trincoll.edu

DEAN, THAYER SCHOOL OF ENGINEERING, DARTMOUTH COLLEGE, HANOVER, NEW HAMPSHIRE

Applicants should hold a doctorate in engineering or a closely related field and be eligible for a tenure full professorship. Candidates should have demonstrated excellence and achievement in both teaching and research. Professors in the School, serving as directors of undergraduate programs, should be capable of bringing distinction to engineering education and management. The School is interested especially in applications from candidates who are skilled in management of large programs. Review of applications will begin on January 31, 1995, and will continue until the position is filled. Send a detailed curriculum vitae, transcripts, three letters of recommendation, and a copy of your research plans to: Richard V. Prigodich, Chairman, Department of Chemistry, Trinity College, Hartford, CT 06106. Telephone: 203-286-2120. Email: richard.prigodich@mail.trincoll.edu

POSITION OPEN

ASSOCIATE CURATOR/CURATOR SYSTEMATIC ENTOMOLOGY

The Department of Entomology (National Museum of Natural History, National Zoological Park) invites applications for the position of Research Entomologist. The individual will be responsible for organizing, curating, and conducting research on the collections. The position will be at the rank of Associate or Curator, depending on the candidate's experience and research specialty. Applications must have a Ph.D. or equivalent experience with a background in entomology, systematics and evolutionary biology. Preference will be given to candidates who can make a continuing commitment to and strong independent and collaborative research in the areas of insect systematics and evolutionary biology. Duties will include supervision of graduate students, training museum visitors and offering curricular support to school groups. The salary is $37,172, with the possibility of a RRA arranged. Applications should be sent to: Dr. Charles E. Rodgers, National Museum of Natural History, Department of Entomology, 12th and Madison Drive, S.W., Washington, D.C. 20630. Deadline for receipt of applications is September 15, 1995.

POSITION OPEN

DEVELOPMENTAL ANATOMIST/NEUROANATOMIST

The University of California Museum of Paleontology seeks to fill a position within the area of paleoanthropology. The successful candidate will be expected to work on early hominid and non-human primate evolution in the context of comparative primate anatomy. The successful candidate will be expected to establish and maintain an active research program and to make an effective contribution to the teaching of courses at the undergraduate and graduate level. The position will begin on July 1, 1995 and will be filled until the position is filled. Applications should be submitted to: Dr. William T. Warmington, Director, UC Museum of Paleontology, University of California, Berkeley, CA 94720-4780. Telephone: 710-287-2612. The deadline for receipt of applications is January 15, 1995.

POSITION OPEN

POSTDOCTORAL RESEARCH FELLOWSHIP

The Department of Biology, Texas A&M University College of Agriculture invites applications for a Postdoctoral Research Fellowship. The fellowship is intended to support research projects that are related to the fields of population biology, community ecology, and/or evolutionary biology. The fellowship provides a salary of $15,000 for one year, plus up to $3,000 for travel and supplies. The fellowship is renewable for a second year upon the successful completion of the first year. The fellowship is open to new as well as returning postdoctoral researchers. The beginning date is flexible and dependent on the availability of funds.

APPLICATIONS ARE INVITED FOR THE FOLLOWING POSITIONS:

POSITION OPEN

DEVELOPMENTAL ANATOMIST

The University of California Museum of Paleontology seeks a developmental anatomist/neuroanatomist to work on the anatomy of paleoanthropods. The successful candidate will be expected to work on early hominid and non-human primate evolution in the context of comparative primate anatomy. The successful candidate will be expected to establish and maintain an active research program and to make an effective contribution to the teaching of courses at the undergraduate and graduate level. The position will begin on July 1, 1995 and will be filled until the position is filled. Applications should be submitted to: Dr. William T. Warmington, Director, UC Museum of Paleontology, University of California, Berkeley, CA 94720-4780. Telephone: 710-287-2612. The deadline for receipt of applications is January 15, 1995.

POSITION OPEN

POSTDOCTORAL RESEARCH FELLOWSHIP

The University of Texas at Austin invites applications for a Postdoctoral Research Fellowship. The fellowship is intended to support research projects that are related to the fields of population biology, community ecology, and/or evolutionary biology. The fellowship provides a salary of $15,000 for one year, plus up to $3,000 for travel and supplies. The fellowship is renewable for a second year upon the successful completion of the first year. The fellowship is open to new as well as returning postdoctoral researchers. The beginning date is flexible and dependent on the availability of funds.
AMERICAN ASSOCIATION FOR CANCER RESEARCH

The American Association for Cancer Research (AACR) is a professional society of over 10,000 scientists and physicians involved in cancer research. Members in the AACR enjoy:

- subscriptions to the journals Cancer Research, Cell Growth & Differentiation (CG&D), Cancer Epidemiology, Biomarkers & Prevention, and (starting in 1995) Clinical Research at reduced member rates
- early notification of and reduced registration rates at the AACR Annual Meeting and Special Conferences
- Employment Register, Directory of Members, public education activities, and many other benefits

Special programs to provide enhanced career development opportunities for minority scientists include:

- Mentorship Program
- Travel Awards to Scientific Meetings

American Association for Cancer Research
Public Ledger Building, Suite 816
150 S. Independence Mall West
Philadelphia, PA 19106-3483
Telephone: (215) 440-9300
FAX: (215) 440-9313

PHYSICAL CHEMIST

Aqueous Chemistry

The High Temperature Aqueous Chemistry Group of the Chemical and Analytical Sciences Division at the Oak Ridge National Laboratory (ORNL) is seeking an experienced scientist for research on equilibrium thermodynamic properties of aqueous electrolytes and chemical reactions in solution at high temperatures and pressures.

Applicants should have several years of experience beyond the PhD and an established record of experimental research using classical techniques of solution chemistry, along with a thorough knowledge of aqueous thermodynamics. Requires a working knowledge of statistical thermodynamics and methods for molecular simulation of solutions, including molecular dynamics, Monte Carlo, and integral equation approaches.

ORNL is a multipurpose research facility managed by Martin Marietta Energy Systems, Inc. for the U.S. Department of Energy. For immediate consideration, send your resume (by November 30, 1994) to Dr. Robert E. Mesmer, Oak Ridge National Laboratory, Dept. SCI-1104, P.O. Box 2008, Oak Ridge, TN 37831-6110, (Ph: 615-574-4958; FAX 615-574-4961). ORNL is an equal opportunity employer committed to building and maintaining a diverse workforce.

NEUROIMAGING

The Mental Health Research Institute and Department of Psychiatry of the University of Michigan are seeking candidates for a tenure track position in research on non-invasive imaging of the brain related to the understanding of human behavior relevant to mental illness. Candidates should have interest and experience in application of non-invasive modalities to measure neuroanatomically defined functional change, e.g., blood flow, metabolism, receptor regulation, etc., and are expected to develop independent and collaborative research projects.

Preference will be given to psychiatrists with neuroimaging experience. Applicants should provide a brief statement of research interests and future plans, a curriculum vitae with bibliography, and names and addresses of three references.

Deadline December 1, 1994. Send inquiries and applications to: Chair, Neuroimaging Search Committee, Mental Health Research Institute, University of Michigan, 205 Zina Pitcher Place, Ann Arbor MI 48109-0720.

The University of Michigan is an equal opportunity/affirmative action employer and specifically encourages applications from qualified women and minorities.

Program for Minority Research Training in Psychiatry

Through its National Institute of Mental Health-funded Program for Minority Research Training in Psychiatry (PMRTP), the American Psychiatric Association (APA) is seeking to increase the number of minority psychiatrists going into psychiatric research.

- The program provides medical students and psychiatric residents with funding for stipends, travel expenses, and tuition for an elective or summer experience in a research environment.
- Stipends are also available for one- or two-year post-residency fellowships for minority psychiatrists.

Deadlines for applications are December 1 (for residents seeking a year or more of training and for post-residency fellows) or three months before training is to begin (for medical students and other residents).

Training takes place at research-oriented departments of psychiatry in major U.S. medical schools and other appropriate sites nationwide. An individual at the site (the research "mentor") oversees the research training experience. For more information about the PMRTP, call the toll-free number, 1-800-852-1390, or 202-682-6225, or write to:

Dr. Harold A. Pincus
Office of Research
American Psychiatric Association
1400 K Street, N.W.
Washington, DC 20005

Director
Trudeau Institute

The Trudeau Institute invites applications for the position of Director. The Institute, located in Saranac Lake, N.Y. is a privately endowed laboratory engaged in basic research in the field of Immunobiology at molecular, cellular, and physiological levels, with special emphasis on the responses of experimental animals to a variety of antigentic stimuli including those provided by tumors, allografts, and pathogenic microorganisms. Total research space in the Institute amounts to 10,000 square feet. In addition there are several rooms equipped with micro isolator housing for small animals, a Biosafety Level 3 facility, and a 10,000 sq. ft. animal facility that breeds mice under specific pathogen free conditions.

Candidates should have attained national and international stature in the field of experimental immunology, and should be actively involved in a full-time program of basic research. Inquiries and applications, which should include a current curriculum vitae, should be sent to:

The Search Committee
Trudeau Institute
P. O. Box 59
Saranac Lake, N.Y. 12983
Two POSTDOCTORAL POSITIONS open at the Centre Régional de Transfusion Sanguine (affiliated to University of Lorraine, Nancy). The position is involved in basic research, preclinical evaluation and clinical trials involving bone marrow transplantation, gene therapy and immunotherapy. The successful candidate will participate in the studies of several new therapeutic courses to elucidate mechanisms whereby trauma and infectious organisms cause cardiovascular and hematologic diseases. Interested applications should be sent to: Dr. Eric Delson, Delon@scil.upf.fr, or to: Dr. Paul马斯, Department of Microbiology, Markey Medical College, 1005 D. B. Todd Boulevard, Nashville, TN 37232. Applications are especially encouraged to apply. An Equal Opportunity/Affirmative Action Employer.

TRAINEESHIP IN MATERNAL AND CHILD NUTRITION

POSTDOCTORAL POSITION on NIH-sponsored training grant available January 1995 for U.S. citizens or permanent residents. Doctoral degree (Ph.D., Sc.D., D.P.H. or M.D.) and commitment to a career in this field required. Six trainers available as mentors with research projects in a wide range of disciplines related to maternal and child nutrition (e.g., human nutrition, biomedicine, epidemiology, international and community nutrition, etc.). Send curriculum vitae, list of publications, and three letters of reference to: Program Director, 111 Savage Hall, Division of Nutritional Sciences, Cornell University, Ithaca, NY 14853-6401. As an Affirmative Action/Affirmative Action Employer, we actively encourage women and minorities to apply.

POSTDOCTORAL POSITIONS at ALBERT EINSTEIN COLLEGE OF MEDICINE

A POSTDOCTORAL POSITION is immediately available in an NSF research project focusing on novel SCID mouse models chimeric for the human immune and hematopoietic system to study the immunopathogenesis of HIV infection and the efficacy of therapeutic interventions including gene therapy. Candidates should have significant expertise in molecular biology, cell biology, immunology, tissue culture and a serious interest in HIV research. Please send curriculum vitae and names of three references to: Dr. Harris Goldstein, Albert Einstein College of Medicine, 1651 Szold Hall, Bronx, NY 10461. An Equal Opportunity Employer.

POSTDOCTORAL POSITIONS at OREGON HEALTH SCIENCES UNIVERSITY

POSTDOCTORAL POSITION is available for studies on the mechanism of transformation and leukaemogenesis by activated tyrosine kinases. Biochemical, cellular and molecular studies of signal transduction will be performed and will interface with clinical studies on cancer chemotherapy. Because funding is from an NIH training grant, applicants must be U.S. citizens or permanent residents. Please send curriculum vitae, statement of research interests and the names of three references to: Brian J. Duker, M.D., Oregon Cancer Center-L586, Oregon Health Sciences University, 3181 S. W. Sam Jackson Park Road, Portland, OR 97201.

The Massachusetts General Hospital (MGH) NIH PREDOCTORAL TRAINING PROGRAMS are seeking qualified candidates for the following research training opportunities: NMR Research; Immunology and Tumor Biology; Radiological Science; Cell Structure and Function in Nephrology; Reproductive and Developmental Biology; Burns and Trauma; Basic Science Research Training for Anesthesiologists; Connective Tissue Structure and Function; Endocrinology and Diabetes; Digestive Diseases; Cell and Molecular Aspects of Cardiovascular Biology; and Basic Neurosciences. (Enrollment is limited)

Additionally, please note that the MGH is very committed to providing training opportunities in these areas for qualified women and minorities. Please contact: Richard L. Pharao, Sc.D., Research Affairs, MGH, Fruit Street, Boston, MA 02114-2896.

POSTDOCTORAL POSITIONS are available at SUNY Health Science Center at Syracuse, 750 East Adams Street, Syracuse, NY 13210. Review of applications will begin immediately and continue until the position is filled. SUNY Health Science Center is an Affirmative Action/Equal Employment Opportunity/ADA Employer, committed to excellence through diversity.

POSTDOCTORAL POSITIONS in Signal Transduction is available immediately to clone and characterize novel G-protein coupled receptors which are coupled to the human heat voltage-dependent Na* channel. Experience in protein biochemistry, electrophysiology or molecular biology is necessary. Send curriculum vitae and the names and addresses of three references to: Thomas Frielle, Ph.D., Department of Pharmacology, F.B. 850, Penn State College of Medicine, University Park, PA 16802. FAX: 717-572-5013; Email: tf2@psu.edu. Penn State University is an Equal Opportunity/Affirmative Action Employer and encourages women and minorities to apply.

A POSTDOCTORAL POSITION is available immediately to study various aspects of vertebrate molecular genetics. Preference will be given to present research in this area or related fields. It is necessary to have the specific transcriptional regulation with particular emphasis on myosin heavy chain beta. Experience is not required for this position. Candidates with a strong molecular biology background are encouraged to apply. Send curriculum vitae and contact information for three references to: Dr. Noriko Shimizu, University of South Carolina, School of Medicine, Department of Developmental Biology & Anatomy, Columbia, SC 29208.

INDIANA UNIVERSITY Speech, Hearing and Sensory Communication

NIH PREDOCTORAL AND POSTDOCTORAL POSITIONS are available immediately to study speech perception, production, synthesis, spoken word recognition, audition, psychophysics, hearing science and experimental audiology. Send a curriculum vitae, personal letter describing specific research interests and three letters of reference by January 1, 1995, to: Dr. David Pisoni, Speech Research Laboratory, Indiana University, Department of Psychology, Bloomington, IN 47405. An Affirmative Action/Equal Opportunity Employer.

Two POSTDOCTORAL POSITIONS are available to study newly discovered pathways of HIV infection mediated by cyclical ADP-ribose. Ongoing research includes characterization of the metalloenzymes, synthesis of cADPr analogs and regulation mechanisms of the pathway. Experience in molecular biology, enzyme purification and/or microinjection desirable. Please send curriculum vitae and reference letters to: Dr. Hon-Chung Lee, Department of Physiology, University of Minnesota, 6-255 Millard Hall, 435 Delaware Street SE, Minneapolis, MN 55455. The University of Minnesota is an Equal Opportunity Education and Employer.

POSTDOCTORAL POSITIONS available immediately. Studies focus on bioactive mediators of drug development (enzymes, antibodies, and DNA). Candidates should have experience in either 1) synthetic/biorganic chemistry, 2) enzymology and hybridoma research, or 3) molecular biology. The position requires an M.D. or Ph.D. Please send curriculum vitae and names of three references to: John Cashman, Ph.D., Seattle Bio- medical Research Institute, 4 Nickel Street, Seattle, WA 98104. The Biomedical Research Institute is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION is available immediately to study regulation of HIV-1 RNA splicing in vivo and in vitro using cell-free splicing systems. A Ph.D. or equivalent training and experience in nucleic acid and cellular biology and molecular biology is necessary. Send curriculum vitae and names of three references to: C. Martin Stoezlus, Department of Microbiology, 3201 University Blvd. Hill B 120, The University of Iowa, Iowa City, IA 52242. The University of Iowa is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.
CURATOR
Systematics of the Lepidoptera
American Museum of Natural History

Applications are invited for a tenure-track curatorial position in the Department of Entomology at the AMNH. The primary requirement is original and productive research on morphologically-based systematics of the Lepidoptera. Compelling candidates will show evidence of contributions to fundamental issues in biodiversity and evolutionary biology. Rank and salary will be commensurate with experience.

The new curator of Lepidoptera is also expected to: 1) Manage a collection of approximately 2 million moths and butterflies, including building collections in the area of his/her expertise; 2) Participation in the department's joint graduate student and teaching programs with Cornell University and/or the City University of New York; 3) Fostering inter-institutional databasing related to issues of surveys and biodiversity; 4) Maintain standard museum duties of serving on committees, exhibition programs, supervision of support staff, and future service on a rotating basis as departmental chairperson. The position will be available July 1, 1995. A Ph.D. (or equivalent) and demonstrated success in attracting external research funding are required.

Applicants should forward, by January 15, 1995: 1) A statement of research interests and goals; 2) Curriculum vitae with complete bibliography and reprints; and 3) Names, addresses and telephone numbers of at least three evolutionary biologists familiar with the applicant's accomplishments. Submit applications to:

Dr. David Grimaldi, Chairman
Department of Entomology
American Museum of Natural History
Central Park West at 79th Street
New York, NY 10024-5192 USA

An Equal Opportunity Employer

Genomics Short Course for Faculty at Minority Institutions

The short course provides support for research training of faculty members at colleges and universities with substantial minority enrollments. Participants will have the opportunity to spend two weeks at the National Center for Human Genome Research (NCHGR) laboratories and clinics at the NIH. During their stay, faculty will learn about the latest genome technologies, curriculum development and grant writing skills as well as the social and ethical implications of genome research. They will also have the opportunity to learn specific laboratory techniques which they can use to enhance their teaching and research. Applicants must be faculty members of colleges or universities with a substantial minority enrollment. The NCHGR will provide per diem during the period of the short course; however, the participant’s home institution is responsible for travel expenses. Applications may be initiated by submitting: a curriculum vitae, a cover letter describing research and teaching goals and a supporting letter from the candidate's department head (or equivalent). Applications for the summer of 1995 should be submitted by December 31, 1994.

For short course application information or questions, contact:

Paula Gregory, Ph.D., Chief
Genetics Education Office
NCHGR/National Center for Human Genome Research
Building 49, Room 3A14
9000 Rockville Pike
Bethesda, Maryland 20892
Fax: (301) 402-4929; e-mail: edcore@nchgr.nih.gov

Women and minority candidates are strongly encouraged to apply.

Tri-Institutional Program prepares physician-scientists to investigate, as well as treat disease.

The Tri-Institutional MD-PhD Program enables a select group of highly qualified students to combine medical training at Cornell University Medical College with the extraordinary biomedical research and educational opportunities available at the Cornell University Graduate School of Medical Sciences, The Rockefeller University, and the Sloan-Kettering Institute.

Research training is offered in biochemistry, biophysics, cell biology, genetics, immunology, molecular biology, neurosciences, pharmacology, physiology, and virology. Because of the increasing diversity of the United States population, the national need for physician-investigators who are members of under-represented minority groups is acute. The Tri-Institutional MD-PhD Program is actively seeking to increase applications from under-represented minority students.

For further information, please contact:

Tri-Institutional MD-PhD Program
Cornell University Medical College
1300 York Avenue, New York, NY 10021
Telephone: (212) 746-6023

The VZV Research Foundation, established in 1991, is the world’s only non-profit organization supporting clinical research and education on the varicella-zoster virus (VZV) and the diseases it causes—chickenpox, shingles and post-herpetic neuralgia (PHN). Guided by an international group of 29 physicians and scientists who are specialists in the VZV field.

VZV
ANNOUNCING APPLICATIONS
FOR THE VARICELLA-ZOSTER VIRUS
POSTGRADUATE FELLOWSHIPS
TWO, TWO-YEAR $50,000/YEAR AWARDS

The VZV Research Foundation announces an international competition for postgraduate fellowships to study the pathogenesis of the varicella-zoster virus (VZV) and associated sequelae. Applicable research areas include: virus-host interactions; neuron growth; nerve cell interactions; post-herpetic neuralgia and pain management.

Each $50,000 grant includes $35,000 annual salary plus benefit allowance, and research allowance for the sponsoring lab. Second year support is contingent on satisfactory progress.

Foundation requires mentor letter of intent and evidence of external funding for research on VZV or allied field.

Applications available November 1, 1994
Filing deadline March 31, 1995
Fellows will be notified May 1, 1995
Funding starts July 1, 1995

FOR APPLICATION, WRITE:
Fellowship Committee - S
The VZV Research Foundation, Inc.
40 East 72nd Street, New York, New York 10021

The VZV Research Foundation, established in 1991, is the world’s only non-profit organization supporting clinical research and education on the varicella-zoster virus (VZV) and the diseases it causes—chickenpox, shingles and post-herpetic neuralgia (PHN). Guided by an international group of 29 physicians and scientists who are specialists in the VZV field.
CANCER RESEARCH POSTDOCTORAL TRAINING CASE WESTERN RESERVE UNIVERSITY CANCER CENTER

NIH-funded cancer research postdoctoral positions for individuals holding the M.D., M.D./Ph.D. or Ph.D. degrees. Research areas include:

- Steroid hormone action
- DNA repair
- Molecular biology of colon cancer
- Mutation genetics
- Molecular virology
- Immunology
- Radiation biology
- Cutaneous oncology
- Cellular and molecular biology
- Retroviral oncogenesis
- Neuroendocrinology
- Gene regulation
- Apoptosis
- Gene therapy

Send curriculum vitae and statement of research interests to: Dr. Clark Distelhorst, School of Medicine (BRB), Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4937. Must be U.S. citizen or permanent resident. Males and women are encouraged to apply.

PREDOCITORAL AND POSTDOCTORAL TRAINING in Developmental Neuroscience. The University of Arizona has established an interdisciplinary training program on aspects of developmental neuroendocrinology, with support from the Filmm Foundation and NINDS. A broad range of cellular, molecular, genetic, and systems-level approaches are represented in research areas that include: (1) neuropeptide and neurotransmitter systems; (2) development of synaptic connectivity and neuronal morphology; and (3) behavioral plasticity, molecular and epigenetic mechanisms involved in behavioral plasticity. The program involves approximately 20 faculty with research interests in structure/function of enzyme systems involved in neurotransmission and growth factors; protein folding and design; biomediation; modification of non-natural amino acids; NMR spectroscopy; and X-ray crystallography.

The application deadline for fall 1995 admission is February 15, 1995. Address inquiries to: Graduate Program in Protein Engineering, University of Arizona, 1701 East University Boulevard, Room 631 Gould Simpson Building, The University of Arizona, Tucson AZ 85721; RELEVINE@ccit.arizona.edu. Applications from underrepresented groups, including minorities, women, and people with disabilities, are encouraged.

GRADUATE, POSTDOCTORAL, SABBATICAL, AND FELLOWSHIP POSITIONS IN BIOLOGY OF TRANSGENIC PLANTS

DOE/NSF/USDA-sponsored FELLOWSHIPS at North Carolina State University and Ciba Geigy Agricultural Biotechnology Research Unit are available to study (1) epigenetic phenomena influencing transgene expression and inheritance and (2) use of transgenic technologies to enhance disease resistance in important crop species. Further information and application materials may be obtained from: Nicole Burdick, Department of Botany, Box 7612, North Carolina State University, Raleigh, NC 27695-7612; FAX: 919-515-3436; Email: joyce_bruffle@ncsu.edu. Inquiries from established industrial or academic scientists interested in three-month "summer sabbaticals" are also welcome. Review of applications will begin December 15, 1994.

MARINE SCIENCE STUDENT FELLOWSHIPS AVAILABLE

Spring Term, 1995

The Marine Laboratory of Duke University, School of the Environment, has full tuition, housing and travel support for POSTDOCTORAL FELLOWS for up to four twelve-month students participating in Spring Term 1995. Junior and senior level natural science majors study in small classes and conduct related research projects. Research areas are available in all four laboratories. Apply with current transcript and recommendations, and a short form available from: Admissions, Duke University Marine Laboratory, Beaufort, NC 28516-7291. Telephone: 919-728-2111 or contact: bek@acpub.duke.edu.

SMITHSONIAN INSTITUTION FELLOWSHIP PROGRAM

GRADUATE STUDENT, PREDOCITORAL, POSTDOCTORAL, AND SENIOR FELLOWSHIPS AVAILABLE

In addition to the extensive scientific and educational opportunities available at the Smithsonian Institution, Fellows are eligible to participate in a wide variety of Smithsonian sponsored research projects. Each other and every member of the Institution's academic staff has an opportunity to design and carry out research projects. The program is designed to encourage new and established researchers to make contributions to the understanding and exploitation of phenomena of biological importance. Fellows are expected to develop innovative research ideas and to develop and conduct research projects under the guidance of Smithsonian scientists.

FELLOWSHIPS IN MATHEMATICS AND MOLECULAR BIOLOGY

The Program in Mathematics and Molecular Biology has Graduate and Postdoctoral Fellowships available. The Program is designed to train mathematical biologists and molecular biologists. Potential research areas include: (1) the study of growth patterns and protein folding; (2) the development and analysis of new methods for determining structure and function of proteins; (3) the study of protein structure and function; and (4) the analysis of the role of proteins in cellular processes. Applications are encouraged to apply. For further information, contact: Prof. Charles S. Fenn, 11017-5595. Telephone: 225-287-3271. An Equal Opportunity Employer.

NIH-FUNDED POSTDOCTORAL FELLOWSHIP IN GENETIC MODULATIONS OF RADIATION BIOLOGY/RADIONUCLIDE BIOLOGY

The National Institutes of Health has recently funded a research program in radiation biology/molecular biology with the objective of investigating the cellular and molecular basis of radiation sensitivity. The project focuses on the role of T-cell receptors and their associated membrane proteins in the modulations of radiation resistance. The research is conducted at the National Institute of Standards and Technology and the University of Maryland. Excellent facilities and opportunities are available for the training of graduate students and postdoctoral fellows. Send curriculum vitae and names of three references to: Dr. Roy Mariuzza, CARB, 9600 Gudelsky Drive, Rockville, MD 20850.

PLANT SCIENCE INSTITUTE

University of Pennsylvania Graduate Fellowships in Structural and Molecular Genetic Studies

FELLOWSHIPS are available for graduate students to work with members of the Biology, Biochemistry, and Biophysics Departments of the University of Pennsylvania. Training areas are in molecular biology, cell growth, and signal transduction. A program in plant signal and energy transduction that will include coursework in plant molecular genetics, biological chemistry, and molecular biology is in development. For information write to: Dr. Anthony R. Cosgrove, Director, Plant Science Institute, Graduate Fellowships in Plant Science, Department of Biology, University of Pennsylvania, Philadelphia, PA 19104-6018. Telephone: 215-898-8770.

POSTDOCTORAL FELLOWSHIP IN MOLECULAR BIOLOGY

A fellowship is available to work on DNA recombinant technology as part of a project on targeted insertion of genes for human gene therapy. Successful candidate should have experience in molecular biology and an interest in DNA recombinant technology. Ph.D. in biochemistry or molecular biology from a well-recognized institution or research experience in a well-recognized laboratory extremely helpful. Salary competitive. Please send curriculum vitae and names of individuals who can be contacted for references to: D.J. Prokop, Department of Biochemistry and Molecular Biology, Jefferson Institute of Molecular Medicine, Thomas Jefferson University, 233 South 10th Street, Philadelphia, PA 19107-5595. FAX: 215-958-5393. We are committed to a smoke-free environment. Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available immediately which will require a strong background in protein biochemistry and molecular biology.

2. Postdoctoral processing of neuroendocrine molecules. Contact: Prof. Robert W. Weiske, Department of Molecular Biology, University of Pennsylvania, Philadelphia, PA 19104. FAX: 215-958-5393. We are committed to a smoke-free environment. Equal Opportunity Employer.

CEDARS-SINAI MEDICAL CENTER POSTDOCTORAL FELLOWSHIP

Fellows in Neurobiology will be involved in the molecular genetic study of neurodegenerative disorders and the molecular analysis of familial CNS tumors. Requires a Ph.D. or M.D. degree in molecular and positional cloning. Please send full curriculum vitae plus names and addresses of two references to: Job No. 199401.93, Dr. Stephen M. Paul, Cedars-Sinai Medical Center, 8770 Beverly Boulevard, Los Angeles, CA 90048. An Equal Opportunity Employer.

POSTDOCTORAL POSITION: Participate in a three year project concerned with understanding mechanism of photodynamic inactivation of bacteria/virus in blood components. Candidate must have experience in the areas of viral plaque assays and/or photophysics/photobiology. State-of-the-art R&D facility. Competitive salary and excellent benefits. Contact: Dr. Stephen Wagner, Ph.D., Holland Laboratory, Product Development Department, American Red Cross, 15601 Crabbs Branch Way, McLean, VA 22102. Equal Opportunity Employer, Male/Female/Disabled/Veterans.
HEAD
DEPARTMENT OF MEDICINE
UNIVERSITY OF MINNESOTA

The University of Minnesota invites applications for the position of tenured Professor and Head of the Department of Medicine. The successful candidate will direct a large program at the University and its affiliated hospitals. The University seeks a board certified internist of national and international prominence who will promote the Department's long tradition of academic excellence and scientific accomplishments.

Qualifications of candidates for the rank of Professor with tenure must include national distinction in internal medicine and demonstrated leadership in patient care, teaching, research, and administration. A commitment to graduate and post-graduate education is necessary. The deadline for receipt of applications/nominations is January 15, 1995. Start date is negotiable. Interested applicants should send a copy of their curriculum vitae to:

Alfred F. Michael, M.D.
Chair, Medicine Search Committee
University of Minnesota Medical School
Box 233 UMHC; ATTN: S. Jackson
420 Delaware St. S.E.
Minneapolis, MN 55455-0392
Phone 612-624-3113
e-mail: sjackson@maroon.tc.umn.edu

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

BIOSCIENCE JOB FAIRS

Life Science Associates announces our 1995 schedule - a full complement of recruiting events designed for professionals in the biotech, pharmaceutical & medical device industries!

January 11 - Washington DC
@ BioEast '95 Conference

February 14 - San Francisco
West Coast Diversity Day

March 30-31 - Parsippany, NJ

May 5 - San Francisco

July 10-11 - Boston

August 10-11 - San Diego

September 19 - San Francisco

October 23 - Boston

East Coast Diversity Day

LIFE SCIENCE ASSOCIATES
"The Nation's BioExpo Leaders"

Opportunities exist throughout the U.S. for BS/MS/PhD through management level professionals. For registration information send request to: LSA, 2100 Embarcadero, Suite 101, Oakland, CA 94606. Companies interested in recruiting call 510-436-3976.

RESEARCH SCIENTIST
MOLECULAR BIOLOGY

for the isolation and study of receptors and related targets

The Research Division of a leading FRENCH PHARMACEUTICAL COMPANY located in the PARIS REGION is seeking a Research scientist molecular biology.

The desired candidate should have at least two years post-doctoral experience, a broad background in molecular biology, and a knowledge of molecular pharmacology. This position provides the opportunity for a creative, flexible and highly motivated scientist to join a recently formed innovative team which interacts closely with other groups to discover and exploit novel targets for drug development.

Please submit a CV, a photo and a handwritten letter to PUBLIVAL/10038 - 27 Route des Gardes - 92190 MEUDON (FRANCE)

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
Department of Chemistry

The Hong Kong University of Science and Technology, with the mandate to become one of the eminent technological research universities in the world, was opened in October 1991, with programmes at both undergraduate and postgraduate levels. The medium of instruction is English. The Department of Chemistry invites applications for the following positions in all areas of chemistry: PROFESSOR: min. US$117,400 p.a.; READER: US$85,800–US$114,000 p.a.; SENIOR LECTURER: US$82,300–US$110,500 p.a.; LECTURER: US$52,900–US$88,400 p.a. The research thrust of the Chemistry Department includes: 1) Novel Analytical Techniques (NAT); 2) Laser Spectroscopy and Applications (LSA); 3) Advanced Materials/Polymers (AMP); and 4) Drug Discovery, Design and Synthesis (DPS). Applications in response to earlier advertisements will automatically be reviewed and such candidates need not re-apply. Generous fringe benefits including medical and dental benefits, annual leave, and children's education allowances are provided. Air passages and housing are also provided where applicable. Initial appointments will generally be on a three-year contract: a gratuity of an amount equal to 25% of the basic salary drawn will be payable upon successful completion of contract. Re-appointment after the initial contract will be subject to mutual agreement. Approved sabbatical leave will be at full salary. Applications should be sent with a C.V., together with names and addresses of three referees, to Professor Na-Teng Yu (for NAT and LSA), Professor H. Hiraoka (for AMP), or Dr. Richard Haynes (for DPS), Department of Chemistry, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong (Fax: 852-358-1594) by January 15, 1995, but the search will continue until suitable appointments are made.
POSTDOCTORAL POSITION. Available immediately for well funded new initiative to study cell growth, differentiation, and transcription regulation in a candidate with strong background in molecular biology. Please send curriculum vitae and three letters of recommendation to: Dr. Sarah Jones, Cell Biology and Molecular Biology, Georgetown University Medical Center, 307 Basic Science Building, 3900 Reservoir Rd., NW, Washington, DC 20007. Telephone: 202-687-1432. Affirmative Action/Equal Opportunity Employer.

A limited number of POSTDOCTORAL FELLOWSHIPS are available in 1995 in marine sciences, aquaculture, coastal and environmental sciences, biomedical marine research, ocean engineering, and environmental analysis. Applications are due by February 15, 1995. Stipends are $22,450 for the annual appointment. Specify area of interest for information brochure and application form from the Sea Grant Marine Education Center, Harbor Branch Oceanographic Institution, Inc., 5600 U.S. 1 North, Ft. Pierce, FL 34946. Equal Opportunity/Affirmative Action Employer.

UNIVERSITY OF PENNSYLVANIA TRAINING PROGRAM IN CELLULAR & MOLECULAR BIOLOGY

The University of Pennsylvania has established an interdisciplinary training program for Ph.D. students, and for postdoctoral researchers, in computational biology. Areas of interest include biological databases, multiple sequence alignment, molecular evolution and phylogeny reconstruction, physical and genetic mapping, sequence search and analysis, statistical methods, discrete algorithms, and computational optimization in biology. Postdoctoral applicants with an interest in this interdisciplinary research, and with a Ph.D. in any one of the core disciplines (mathematics, computer science, the biological sciences, statistics), should contact: Dr. Tandy Warnow, Department of Computer and Information Science, University of Pennsylvania, Philadelphia, PA 19104-6321. For further information is available. Admission to the predoc program requires acceptance into a regular Ph.D. program at the University of Pennsylvania. Applicants should also, in the first instance, contact Dr. Warnow. Closing date: 30 November 1994. Affirmative Action/Equal Opportunity Employer.

RESEARCH TRAINING FOR DENTAL GRADUATES

Two (2) positions are available in an NIH-supported advanced postdoctoral research program at the University of Louisville School of Dentistry. Areas of research include Cell and Molecular Biology, Immunology, Endocrinology, Microbiology, and Biochemistry. Term of appointment is February 1, 1995. Application forms (with further information available) are available by writing to Linda Mitchell, 301 School of Dentistry, 501 South Preston Street, Louisville, KY 40292. Telephone: 502-852-7507; FAX: 502-852-7240.

POSTDOCTORAL RESEARCH ASSOCIATE

to examine molecular and structural biology of fatty acid and steroid carrier proteins, lipid interaction, and function. Ph.D. or equivalent in biochemistry, chemistry, physics, or related fields. Experience in molecular biology or time-resolved fluorometry desirable. Send curriculum vitae and three letters of reference to: Dr. F. Schroeder, Department of Veterinary Physiology and Pharmacology, Texas A&M University, College Station, TX 77843-4466. Texas A&M University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL/RESEARCH ASSOCIATE Position (Plant Modeling/Plant Physiology) is available immediately for development of computer simulation models for sweet potato and peanut grown in controlled environments and under field conditions. Design of experiments for validating models also expected. A Ph.D. in plant or other life sciences with a strong background in modeling or biometry preferred. Send résumé and three letters of reference to: Dr. Philip Loretan, Campbell Hall, Texas A&M University, College Station, TX 77843-4466. Texas A&M University is an Equal Opportunity/Affirmative Action Employer.

RESEARCH OPPORTUNITIES AT THE W. ALTON JONES CELL SCIENCE CENTER GRADUATE, POSTDOCTORAL AND VISITING SCHOLARSHIP PROGRAMS 1995-1996. The Center participates in a graduate program with Clarkson University, Potsdam, New York, and the University of Vermont, Burlington, Vermont. Course work is taken at the University and residency in the Center. The Center's program is open to excellent candidates who have completed their undergraduate degree. Students, Postdoctorals and Visiting Scientists participate in projects within laboratories of Senior Scientists.

The W. Alton Jones Cell Science Center is located in the heart of the Hudson River Valley, in Lake Placid, New York. The Center is equipped with state-of-the-art equipment (amino acid analyzer, amino acid and DNA sequencers, mass spectrometer, peptide and DNA synthesizers and sequencers) in cell and developmental biology. Salaries and benefits are competitive. Send curriculum vitae, names and telephone numbers of three references and summary of research interests to: Ms. Andrea Tervillegue, W.A.J.C.S.C., 10 Old Barn Road, Lake Placid, NY 12946. The Cell Science Center is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE (12-month, full-year duration with possibility of annual renewals at discretion of Director) to work on five-year NIH grant. Research includes oncogene mutagenesis, molecular dosimetry, cancer dose-response, and chromosome aberration. Opportunity for highly productive research, world-class facility, beautiful Willamette Valley setting. Closing date December 2, 1994, or until position is filled. Send application, curriculum vitae, reprints, and three letters of recommendation to: Dr. George Bailey, 232 Wiegand Hall, Oregon State University, Corvallis, OR 97331. Oregon State University is an Affirmative Action/Equal Opportunity Employer and is responsive to dual-career needs.

MOLECULAR CELL BIOLOGIST

RESEARCH SCIENTIST POSITION to join a group of 10 investigators exploring hormonal and age-dependent regulation of transcription factors. Ph.D. within two years of experience in eukaryotic molecular biology is required. Stimulation of academic environment with generous fringe benefits. Research will be under the direction of Arun K. Roy, Ph.D., Professor of Cellular and Structural Biology. Send curriculum vitae and names of three references to: The Office of Human Resources, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, TX 78284-7972.

An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE

Fundied position is available for a molecular-cellular neurobiologist with expertise in cell signaling including molecular senescence in the olfactory system. Documented experience and publications in the use of contemporary molecular and cell biological techniques required. Send curriculum vitae, brief statement of research interests, names and telephone numbers of three references by December 1, 1994, to: Thomas V. Getchell, Ph.D., Department of Physiology/Sanders-Brown Center on Aging, University of Kentucky Medical Center, Lexington, KY 40536-0084.

TERRESTRIAL ECOLOGIST/BIOGEOCHEMIST ENVIRONMENTAL DEFENSE FUND

The Environmental Defense Fund, a national not-for-profit research and advocacy organization, seeks a TERRESTRIAL ECOLOGIST or BIOGEOCHEMIST to fill the position of associate scientist in its New York office. Applicants should have interest and research experience in problems related to global environmental change with an interest in the policy applications of their research. Knowledge of data dissemination through the Internet is also strongly desired. A background in global environmental science is more important than a proven record of interdisciplinary research. Salary will be commensurate with experience. Anticipated start date is January 1995, with a review of applications beginning January 3, 1995. Send letter of application, curriculum vitae, and the names of three references to: Dr. Steven Harder, Scientific Director, Environmental Defense Fund, 257 Park Avenue South, New York, NY 10010. Women and persons of color are encouraged to apply; Equal Employment Opportunity.

CYTGENETICIST

The Department of Pathology and Laboratory Medicine at St. Jude Children's Research Hospital is seeking a full-time, Board-certified or eligible, CYTGENETICIST. The candidate should have experience in the cytogenetics of neoplasia and a strong background in related molecular techniques. The position would provide a qualified individual the opportunity to introduce new technologies and participate in the growth and expansion of the department. The level of appointment will be determined by background and training experience. Send curriculum vitae, names of three references, and a letter of interest to:

Susa C. Raimondi, Ph.D.
Director, Cytogenetics Laboratory
St. Jude Children's Research Hospital
332 North Lauderdale
Memphis, TN 38105-2794
An Equal Opportunity/Affirmative Action Employer.

SOIL SCIENTIST (PHOSPHORUS)

The Agricultural Research Service, USDA, University Park, Pennsylvania, has an open, permanent full-time SOIL SCIENTIST to lead research to define and manage the critical factors controlling P losses from fields, landscapes, and watersheds, and to develop and conduct research on these factors. Candidates must have a Ph.D. in soil science and 15 semester hours in soil chemistry, soil physics, and soil fertility; have knowledge of the phosphorus-water-soil-sediment-plant system; and the ability to design, plan, and conduct research and to write technical reports. Appointment is at the GS-13 level. Applications must be postmarked by December 23, 1994. USDA/ARS is an Equal Opportunity Employer.

IN Vivo MRI/MRS SCIENTIST

The Pittsburgh NMR Center for Biomedical Research has a position available for an outstanding SCIENTIST with a Ph.D. in biochemistry, molecular biology, biophysical techniques or NMR. This position is emphasized on applications of NMR to transplantation surgery, cellular energy metabolism, combining NMR and molecular biological techniques, and development of novel imaging and spectroscopic techniques. The candidate will be expected to pursue collaborative as well as their own research interests. The Center houses a 4.7T/40cm Bruker Biospec Head-Center magnet. Personnel in the Center also have access to a 2.35T/31cm and a 7.0T/11cm imaging spectrometer. Interested candidates should send a curriculum vitae, statement of research interests, and three letters of recommendation to: Dr. Chien Ho, Pittsburgh NMR Center for Biomedical Research, Carnegie Mellon University, 4400 Fifth Avenue, Pittsburgh, PA 15213-2683.

Carnegie Mellon University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH FELLOW

Available Immediately: POSTDOCTORAL POSITION to work on a NIA-supported project examining the role of oxidant/antioxidants in T cell activation during aging. Ph.D. in immunology, microbiology or related fields is required. Experience in molecular biology techniques is highly desirable. Interested candidates should send resume and name of three references to: Dr. Steven Harder, Scientific Director, Environmental Defense Fund, 257 Park Avenue South, New York, NY 10010. Women and persons of color are encouraged to apply; Equal Employment Opportunity.
UNIVERSITY OF ILLINOIS
AT CHICAGO
OFFICE OF THE VICE CHANCELLOR
FOR RESEARCH

The Office of Research Services (ORS) is seeking nominations and applications for four (4) Program Coordinator positions in biomedical sciences, physical sciences and engineering, social sciences and humanities. The purpose of ORS is to provide faculty with funding information and assistance in the development and preparation of external proposals. ORS also provides assistance in the coordination of larger group projects potentially leading to the establishment of research centers.

Must have an understanding of the support and conduct of research in an academic environment and strong interpersonal, organizational and communication skills. An advanced degree in an appropriate field is required.

For full consideration, send a cover letter, complete resume, and the names and addresses of at least three references by November 28, 1994 to:

Ms. Donna J. Debelak, Senior Coordinator
Office of the Vice Chancellor for Research (M/C 672)
University of Illinois at Chicago
17 N. Paulina St., 310 AOD
Chicago, IL 60612

The University of Illinois is an Affirmative Action, Equal Opportunity Employer.

Parasitologist—The Department of Microbiology, Pathology, and Parasitology, College of Veterinary Medicine, North Carolina State University seeks a parasitologist to participate in teaching and research. The individual selected to fill this Assistant Professor position will devote approximately 45% effort to classroom and clinic rotation instruction of veterinary medical students in the second and fourth years of the professional curriculum. Part of this instruction includes analysis and diagnosis of parasitic infections in animals and materials submitted to the Veterinary Teaching Hospital. Approximately 5% effort will be devoted to the betterment of the department, college, and university through participation in departmental meetings and service on committees. The remaining 50% time will be devoted to research activities. The individual will develop an extramurally-funded research program emphasizing the use of current technology to investigate diseases caused by protozoa or helminths. The scope and impact of research will be sufficient to provide quality research training opportunities for students seeking the Ph.D. degree. Applicants for this position will have DVM (or equivalent) and/or PhD degrees. Preference will be given to those applicants with two or more years of postdoctoral research experience. Salary is negotiable. Starting date is July 1, 1995. Applicants should send letter of application, curriculum vitae, and names of three references to Dr. Bruce Hammerberg, Department of Microbiology, Pathology, and Parasitology, College of Veterinary Medicine, North Carolina State University, 4700 Hillsborough Street, Raleigh, NC 27606, (919) 829-4200 or (919) 829-4455 (FAX). Application closing date is January 10, 1995 or until a suitable candidate is chosen.

North Carolina State University is an Equal Opportunity/Affirmative Action Employer.

Microbiologist—The Department of Microbiology, Pathology, and Parasitology, College of Veterinary Medicine, North Carolina State University has an opening for an individual with research and clinical microbiology skills. The individual selected to fill this tenured track position will direct the activities of the Clinical Microbiology Laboratory in the Veterinary Teaching Hospital. The candidate will supervise staff in providing diagnostic bacteriology services, and in developing new diagnostic procedures that will increase the scope, speed, and accuracy of diagnostic services provided through the laboratory. The candidate will also coordinate staff activities in providing instruction to veterinary medical students, residents, and graduate students who rotate through the laboratory. These duties and responsibilities will occupy about 45% of the individual’s time. Approximately 5% effort will be devoted to the betterment of the department, college, and university through participation in departmental meetings and service on committees. The remaining 50% time will be devoted to research. The individual will develop an extramurally-funded research program emphasizing the use of current technology to investigate infectious disease problems. The scope and impact of research will be sufficient to provide quality research training opportunities for veterinarians seeking the PhD degree.

Combined research and clinical microbiology skills will enable the selected candidate to assume a leadership role in developing a training program for veterinarians seeking clinical microbiology skills, certification by the American College of Veterinary Microbiologists, and research training sufficient to prepare them for successful careers in biomedical research. This training program will be established in collaboration with other faculty members. Applicants for this position will have DVM (or equivalent professional medical) and PhD degrees. Preference will be given to those who are certified by the American College of Veterinary Microbiologists or the American Society of Microbiologists. Rank and salary are negotiable. Starting date is July 1, 1995. Applicants should send letter of application, curriculum vitae, and names of three references to Dr. Paul Orndoff, Department of Microbiology, Pathology, and Parasitology, College of Veterinary Medicine, North Carolina State University, 4700 Hillsborough Street, Raleigh, NC 27606, (919) 829-4207 or (919) 829-4455 (FAX). Application closing date is January 10, 1995 or until a suitable candidate is chosen.

North Carolina State University is an Equal Opportunity/Affirmative Action Employer.

Toxicologic Pathologists—The Department of Microbiology, Pathology, and Parasitology, College of Veterinary Medicine, North Carolina State University has two open positions in toxicologic pathology with specialty training and research interests in toxicology. The individuals selected to fill these tenure track positions will establish research and graduate training programs in the area of toxicologic pathology that will provide state of the art training opportunities for individuals seeking careers as toxicologic pathologists. One tenure track position is available at the rank of Assistant Professor or Professor. Applicants for this position will have DVM (or equivalent) and PhD degrees. Preference will be given to individuals with specialized training and research interests in toxicology.

The candidate selected for this position will have at least 50% time available for research. The individual will utilize demonstrated skills to establish an extramurally-funded program in toxicology. Approximately 5% effort will be devoted to the betterment of the department, college, and university through participation in departmental meetings and service on committees. The remainder of the position is committed to graduate education, and instruction of veterinary students in classroom and teaching hospital rotations. The individual selected to fill this senior level position will assume a leadership role in expanding a research training program for veterinarians, possessing diagnostic pathology skills, who seek specialized toxicology research training sufficient to prepare them for successful careers in biomedical research. This expanded research training program will be conducted in collaboration with other faculty members, and will be based at the Veterinary Medical Center, Davis Road. The second tenure track position is available at the rank of Assistant Professor. Applicants will have DVM (or equivalent) and PhD degrees. Preference will be given to those who are certified by the American College of Veterinary Pathologists (ACVP). The individual selected for this position will commit approximately 45% effort to graduate education, and instruction of veterinary students in classroom and teaching hospital rotations. Approximately 5% effort will be devoted to the betterment of the department, college, and university through participation in departmental meetings and service on committees. The remaining 50% time will be devoted to toxicology research, for which the individual will acquire extramural support. Salary for both positions is negotiable. Starting date is July 1, 1995. Applicants should send letter of application, curriculum vitae, and names of three references to Dr. Taimage T. Brown, Jr., Department of Microbiology, Pathology, and Parasitology, College of Veterinary Medicine, North Carolina State University, 4700 Hillsborough Street, Raleigh, NC 27606, (919) 829-4258 or (919) 829-4455 (FAX). Application closing date is January 10, 1995 or until suitable candidates are chosen.

North Carolina State University is an Equal Opportunity/Affirmative Action Employer.
OPEN EXAMINATION FOR SUPERVISING TOXICOLOGIST

The California Environmental Protection Agency, Department of Pesticide Regulation, invites applications for a SUPERVISING TOXICOLOGIST to manage the pesticide regulatory program. Requirements: Five years of postdoctoral experience in toxicology or closely related field. This experience must have included the interpretation of toxicological findings relative to probable human health, one year of experience in the development and design of toxicological research and investigative studies, and two years of experience in supervisory or management positions. The position is located in Sacramento. Salary range: $5,332–$6,456. Other comprehensive benefits package. Submit application and résumé to the address below by the Final File Date: December 20, 1994.

Department of Pesticide Regulation
Personnel Administration Unit
1020 N Street, Room 126
Sacramento, CA 95814

App’t: SD

For State application and announcement call 916-322-4553.

UNIVERSITY OF CALIFORNIA SAN FRANCISCO
Cardiovascular Research Institute

SENIOR MICROSCOPIST TO run daily operation of the imaging laboratory. Require ability to supervise multi-user laboratory, excellent interpersonal and technical skills, and extensive experience in confocal and fluorescence microscopy. Send or fax résumé by December 1, 1994, to: UCSF Personnel, Job No. B1583V, 1520 7th Avenue, San Francisco, CA 94123-0832. FAX: 415-476-6472. The University of California is an Equal Opportunity/Affirmative Action Employer.

HORTICULTURAL TAXONOMIST

Applications with a broad background in plant systematic are invited to apply for the lead position in a research group in Horticultural Taxonomy. Experience with cultivated plants preferred. Ph.D. required with knowledge of nomenclature and competent database skills. Apply by sending curriculum vitae, a letter with statement of research interests and goals, and names and addresses of three references to: Ms. R. Cabiness, Personnel Director, Brooklyn Botanic Garden, 1000 Washington Ave., Brooklyn, NY 11375-1099. Review of applications begins January 15, 1995. An Equal Opportunity/Affirmative Action Employer.

SYMPHOSYS

SYMPHOSYS: Stem Cells: Prospects for the Clinic; February 6 and 7, 1995; Hyatt Rockies, Palo Alto, CA. SPEAKERS: I. Weissman, Stanford, CA; Spangrude, Utah; D. Emery, MGH; R. Hoffman, Sfstein; S. Heimfeld, Cell. Pro; R. Tushinski, Sfstein; M. Moore, Sloan Kettering; R. Mertens, Germany; D. Weissman, NYU; R. O’Reilly, Sloan Kettering; R. Mulligan, MIT; E. Gilboa, Duke; J. Lebowkski, AUS; S. Chatterjee, City of Hope; B. Bodine, NIH; D. Kohn, UCAL; A. Daesseler, M. D. Anderson; D. Vale, IntroGene; C. Bordignon, Italy; D. DiGiusto, Progene, A. Galy, Sfstein; F. Gage, UCSF; S. Weiss, California; J. Rhim, Penn; D. Saaki, Sfstein; R. Knazek, Cellos; G. Rees, London; D. Harris, Arizona. Abstracts due January 28, 1995. Organizers: J. Larrick, J. and Mal. Sponsor: 1. Palo Alto Institute of Molecular Medicine, 2462 Wymond Way, Palo Alto, CA 94304. FAX: 415-694-7717; Telephone: 415-694-1420; Email: PAIMM@AOL.com.

SYMPHOSYS: Fluorescent Proteins and Applications; March 6 and 7, 1995; Hyatt Rockies, Palo Alto, CA. SPEAKERS: Roger Beachy, Scripps Research Institute; John Blinks, Univ. of Washington; Roger Brent, Mass. General Hospital; Marie Chow, Univ. of Arkansas; Frederic Pay, Univ. of Minn. Med. Center; Nina Fedoroff, Carnegie Institution of Washington; Scott Fraser, Calif. Institute of Technology; Alexander Glazer, U.C.B.; Woody Hastings, Harvard; Nancy Hopkins, MIT; Steve Kay, Univ. of Oregon; Douglas Fraker, US Army Medical School; Franklin Prendergast, Mayo Foundation; Pamela Silver, Dana Farber Cancer Institute; Roger Tsien, U.C.S.D.; Peter Walter, U.C.S.F. Abstract due: February 27, 1995. Organizer: Douglas C. Youvan, Ph.D. and James W. Larrick, M.D., Ph.D. Sponsor: 2. Palo Alto Institute of Molecular Medicine, 2462 Wyandotte Street, Palo Alto, CA 94034. FAX: 415-694-7717; Telephone: 415-694-4996; Email: PAIMM@AOL.com.
The University of Portland invites applications and nominations for the position of Senior Vice Chancellor for the Health Sciences. The Senior Vice Chancellor is responsible, through the deans, for the undergraduate, graduate, and professional programs in the six schools of the health sciences. Included in these responsibilities are the academic, research and clinical programs of the Schools of Dentistry, Health and Rehabilitation Sciences, Medicine, Nursing, Pharmacy and of the Graduate School of Public Health.

The University seeks a person of superior intellectual vision and ability to provide leadership for the health sciences as we move towards the 21st century. To this end, the Senior Vice Chancellor must be an exceptional leader in ensuring that the University advances its record as a pioneer in health research; that research results are systematically and expeditiously translated into clinical and preventative advances; that the next generation of health professionals is trained not only in current standards of practice but with the skills essential to meet new demands; that practicing professionals are kept abreast of the newest findings and techniques through continuous education programs; that governmental and non-governmental learners are assisting in their efforts to achieve high quality care in a cost-effective manner.

Qualified candidates should have broad administrative experience, well-honed organizational and leadership skills, and the ability to deal creatively and effectively with the organizational, financial and managerial responsibilities of the office. Requirements include an earned doctorate, eligibility for senior faculty appointment, evidence of sound scholarship and demonstrated success in health sciences administration. An understanding of changes currently affecting our health care system is essential. Experience in an environment of managed care and competition is highly desirable.

The University of Pittsburgh is an independent, state-related research university and a member of the Association of American Universities. The University consists of 18 undergraduate, graduate and professional schools on the Pittsburgh campus, plus four regional campuses. It serves some 36,000 students. The University of Pittsburgh Medical Center is one of the largest and most highly respected in the nation. The health science complex is located on the main campus of the University and is set in the civic and cultural center of Pittsburgh. Education, research and service in the health sciences have long been an integral part of the University's mission, and the Senior Vice Chancellor for the Health Sciences is looked to as one of the leaders of the entire University community.

The Senior Vice Chancellor for the Health Sciences reports to the Chancellor, and works closely with the Provost, the President of the University of Pittsburgh Medical Center and Senior Vice Chancellor for Health Administration, and the Senior Vice Chancellor for Business and Finance in managing the University's highest-level administrative and administrative affairs of the University. The University has an open and forward-looking planning process, which encompasses both capital and operating budgets.

The University of Pittsburgh is an affirmative action/equal opportunity employer. Women and members of minority groups are encouraged to apply. The University also offers an excellent salary, benefit, and retirement package.

The search committee plans to begin reviewing candidate credentials in the month of November. Nominations and letters of application, with resume, should be sent, preferably by 1 December 1994, to:

Chairperson
Search Committee for the Senior Vice Chancellor for the Health Sciences
130 William Pitt Union
University of Pittsburgh
Pittsburgh, Pennsylvania 15260

CONSORTIUM FOR A STRONG MINORITY PRESENCE AT LIBERAL-ARTS COLLEGES

MINORITY SCHOLAR-IN-RESIDENCE PROGRAM

With a view toward encouraging African-American, Asian-American, Hispanic-American, and Native American scholars to consider teaching and research careers at small liberal-arts colleges, the Consortium for a Strong Minority Presence at Liberal-Arts Colleges, an association of selective undergraduate institutions, has established the Minority Scholar-in-Residence Program. Applications are invited for the dissertation fellowship program or the post-doctoral fellowship program in all disciplines of the liberal arts and engineering. Applicants should be working toward the Ph.D. or the M.F.A. degree, or have been awarded the degree no more than five years before application.

The Minority Scholar-in-Residence will receive a stipend equal to the typical salary for beginning instructors or assistant professors. Scholars will be expected to do some teaching and research, and to participate in other activities at the host institution under the supervision of a mentor. It is hoped that the scholars will, upon completion of their residency, qualify for tenure-track appointments at the host institution or a similar institution.

Scholars must be citizens of the United States and have had no more than five years of teaching or relevant work experience before receiving the award. Ideally, applicants for the dissertation fellowship program should have completed their research before the beginning of the fellowship year.

Among the member institutions of the Consortium, the following offer to sponsor minority scholars during the 1995-96 academic year: Bates College, Bowdoin College, Bryn Mawr College, Colby College, Colorado College, Davidson College, Franklin & Marshall College, Grinnell College, Haverford College, Macalester College, Oberlin College, Occidental College, Pomona College, Reed College, Rhodes College, Swarthmore College, Vassar College, Wellesley College, and Wheaton College.

The brochure describing the program and an application form may be requested by writing to:

Frank Thomas, Special Assistant to the President, Grinnell College, P.O. Box 805, Grinnell, IA 50112-0810

Application deadline: December 5, 1994

UNIVERSITY OF PITTSBURGH

SENIOR VICE CHANCELLOR FOR THE HEALTH SCIENCES

The University of Pittsburgh invites applications and nominations for the position of Senior Vice Chancellor for the Health Sciences.

The Senior Vice Chancellor is responsible, through the deans, for the undergraduate, graduate, and professional programs in the six schools of the health sciences. Included in these responsibilities are the academic, research and clinical programs of the Schools of Dentistry, Health and Rehabilitation Sciences, Medicine, Nursing, Pharmacy and of the Graduate School of Public Health.

The University seeks a person of superior intellectual vision and ability to provide leadership for the health sciences as we move towards the 21st century. To this end, the Senior Vice Chancellor must be an exceptional leader in ensuring that the University advances its record as a pioneer in health research; that research results are systematically and expeditiously translated into clinical and preventative advances; that the next generation of health professionals is trained not only in current standards of practice but with the skills essential to meet new demands; that practicing professionals are kept abreast of the newest findings and techniques through continuous education programs; that governmental and non-governmental learners are assisting in their efforts to achieve high quality care in a cost-effective manner.

Qualified candidates should have broad administrative experience, well-honed organizational and leadership skills, and the ability to deal creatively and effectively with the organizational, financial and managerial responsibilities of the office. Requirements include an earned doctorate, eligibility for senior faculty appointment, evidence of sound scholarship and demonstrated success in health sciences administration. An understanding of changes currently affecting our health care system is essential. Experience in an environment of managed care and competition is highly desirable.

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The Senior Vice Chancellor for the Health Sciences reports to the Chancellor, and works closely with the Provost, the President of the University of Pittsburgh Medical Center and Senior Vice Chancellor for Health Administration, and the Senior Vice Chancellor for Business and Finance in managing the University's highest-level administrative and administrative affairs of the University. The University has an open and forward-looking planning process, which encompasses both capital and operating budgets.

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Chairperson
Search Committee for the Senior Vice Chancellor for the Health Sciences
130 William Pitt Union
University of Pittsburgh
Pittsburgh, Pennsylvania 15260

THE UNIVERSITY OF UTAH

Cognition and Neural Sciences Area in the Department of Psychology

The University of Utah has two tenure-track positions at the level of assistant professor or associate professor. The position is in Human Cognition. We are particularly interested in an individual whose work reflects an interest in the influence of higher level processes (e.g., knowledge, schemata, expectancy) on lower level ones (e.g., feature analysis, attention, perception) and who has some experience and interest in computational modeling. Some possibilities include research on object perception, object recognition, object-based attention, scene recognition, memory and attention, and the nature and organization of knowledge. However, we will carefully consider individuals showing strong promise in any area of human cognition.

The second position is for a Neuroethologist/Behavioral Neuroscientist. The faculty in the Neurosciences area seeks an individual with interests in brain structure and processes as they relate to animal behavior and cognition. In particular, we are looking for an individual whose research will advance the neurobiological basis of behavior from an evolutionary perspective. The ideal candidate will have strong training in neuroscience, in the analysis of complex behavior systems, and in evolutionary theory, and will be able to contribute to the University's Graduate Program in Neuroscience.

Our Cognition and Neural Sciences Area is unique in that although Human Cognition and Neural Science are strong, independent subprograms, there are strong collaborations between the two areas that enrich graduate training and the intellectual climate of the department as a whole. Our goal is to find two individuals who will build on the strength of the individual subprograms and the collaborative ties between them while having a breadth of interests that will enhance our links with other areas within the department or University, such as computer science, health, developmental, or our joint program in Cognitive and Clinical Neuropsychology. Successful candidates for both positions will have strong research programs and commitments to undergraduate and graduate instruction.

Send vita, reprints, and statements of research and teaching interests to the appropriate search committee. Also, please arrange for three letters of recommendation to be sent directly to the committee. Candidates for the Neuroethology position should send them materials by December 15, 1994 to William A. Johnston, Cognitive Search Committee, Department of Psychology, University of Utah, Salt Lake City, UT 84112. Candidates for the Human Cognition position should send them materials by December 15, 1994 to Sheri Y. Mizumori, Neuroethology Search Committee, Department of Psychology, University of Utah, Salt Lake City, UT 84112. Applications received after these deadlines may be considered if the positions are still open. Applications by women and ethnic minority candidates are especially encouraged. The University is an equal opportunity/Affirmative Action Employer and provides reasonable accommodation to the known disabilities of applicants and employees.
ASSISTANT, ASSOCIATE AND FULL PROFESSOR—The Center for Molecular Medicine and Genetics is expanding its research and training programs. Applications are invited for tenured/tenure-track faculty positions at the assistant, associate, or full professor level. Excellent research laboratories and support facilities are located in the School of Medicine, which is part of one of the largest medical centers in the United States. Candidates who are established, independent investigators with outstanding research and training accomplishments and have demonstrated ability to obtain extramural research funding are especially encouraged to apply. Although all research areas will be considered, candidates with expertise in eukaryotic molecular, cellular or developmental genetics, human genetic diseases or their animal models, human or model organism genome analysis, or gene therapy are especially encouraged to apply. Applicants should send complete curriculum vitae, a brief description of current and future research interests (3–4 pages), a bibliography and reprints of significant publications, and recommendations from at least three references by December 1, 1994, to:

Dr. Robert H. Rownd, Director
Center for Molecular Medicine and Genetics
Wayne State University School of Medicine
3216 Scott Hall
540 East Canfield
Detroit MI 48201

Wayne State University is an equal opportunity/affirmative action employer and invites applications from all qualified individuals.

Wayne State University—People working together to provide quality service

ASSISTANT PROFESSOR BIOLOGY with research specialty in Ecology. Candidates able to contribute to departmental interests in the biology of the Southeastern Coastal Plain will be given preference. Teaching responsibilities include ecology for majors and general biology. This tenure-track position starts September 1, 1995. Salary commensurate with qualifications. Ph.D. at time of appointment and commitment to excellence in teaching and research required.

Send a curriculum vitae, letter of application, statement of personal teaching and research goals, and names of three references to: Ecology Position, Dr. John Averett, Chair, Department of Biology, Georgia Southern University, Statesboro, Georgia 30460-8942. Postmark deadline is December 15, 1994. FAX (912) 681-0845.

Georgia Southern University, a 14,000 student unit of the University System of Georgia, is located in Statesboro, a community of approximately 25,000 residents. The Biology Department is rapidly growing and has a strong commitment to teaching and research excellence. There are currently 25 faculty, a Callaway Chair of Research, 35 M.S. degree students, and 650 undergraduate majors. The Southern Botanical Garden, the Institute of Anthropology and Parasitology, the Smithsonian Institution National Tick Collection and the G.S.U. Herbarium are located on campus and are affiliated with the department.

The names of applicants and nominees, résumés and other general non evaluative information are subject to public inspection under the Georgia Open Records Act. Georgia Southern is an Equal Opportunity/Affirmative Action Institution. Persons who need accommodation(s) in the application process under the Americans with Disabilities Act should notify the search chair.

Travel Fellowship Committee
AChemS Business Office
220 Westridge Dr.
Tallahassee, FL 32304

Postdoctoral Fellowships for Minority Candidates

St. Jude Children's Research Hospital, a premier research center for biomedical research offers a minority postdoctoral fellowship. Minorities defined by NIH guidelines as underrepresented populations must be American citizens or permanent residents. The fellowship was established by the American Lebanese Syrian Associated Charities/St. Jude Children's Research Hospital's Board of Governors. Recent M.D., Ph.D., D.V.M. or Pharm.D. fellows are eligible to train with leading scientists in several basic biomedical research laboratories which include biobehavioral, developmental oncology, experimental hematology, genetic, infectious diseases, immunology, pharmaceutical sciences, molecular pharmacology, tumor cell biology and virology/molecular biology.

Fellowship awards are given for up to three years and are based on merit, recommendation and promise of a productive career in biomedical research. Stipends are highly competitive.

Minority applicants should provide a curriculum vitae, a brief description of their research interests, and have three references. This should be sent to:

Academic Programs
St. Jude Children's Research Hospital
332 N. Lauderdale
Memphis, TN 38105
USA

All information must be received by December 31, 1994.
An Equal Employment/Affirmative Action Employer

The University of Kansas Medical Center
The University of Kansas seeks applications or nominations for the position of Executive Vice Chancellor (EVC) of the Medical Center campus. The EVC is the principal administrative and academic officer of the Medical Center campus with direct responsibilities to the Chancellor of the University. The Medical Center campus includes the School of Medicine (Kansas City and Wichita), School of Nursing, School of Allied Health, Graduate Studies, and the University-owned hospital, providing both acute and chronic care and outpatient services.

The Medical Center serves the needs of the metropolitan Kansas City area, the State of Kansas and the region. The EVC is expected to lead the Medical Center's teaching, patient care, and research programs and provide vision and innovation. Qualifications include an M.D. (preferred) or a Ph.D. in health care fields. The successful candidate must have extensive administrative experience at a university medical center and teaching hospital as a dean or vice chancellor or their equivalent.

The review of applications and nominations will begin on December 1, 1994. Nominations, applications and inquiries should be directed to: Daniel Hollander, M.D., Chair - Search Committee for Executive Vice Chancellor, Office of the Chancellor, 230 Stoll Hall, The University of Kansas, Lawrence, KS 66045.

The University of Kansas is an Equal Opportunity and Affirmative Action Employer.
MOLECULAR BIOLOGIST

Upstate Biotechnology, Inc. has a position immediately open for a Senior Scientist in molecular biology. The preferred candidate must be willing to interact and cooperate with other scientists working in the area of cell signalling.

Requirements include a Ph.D. in Biochemistry, Cell Biology or Molecular Biology with a minimum of three years of successful postdoctoral experience in Molecular Biology, preferably in an industrial environment. Candidates must have a strong background in recombinant DNA techniques including polymerase chain reaction technology, cDNA library construction and screening, plasmid construction, expression systems and protein production.

TECHNICAL SUPPORT SCIENTIST

Upstate Biotechnology, Inc. has a position immediately open for a Technical Support Scientist in the area of cell signalling. The candidate will interface with customers providing technical support about the company’s products.

Requirements include a Ph.D. in Biochemistry, Cell Biology or a related field with a minimum of two to three years successful postdoctoral experience in cell signalling. The preferred candidate must possess good interpersonal skills and an excellent telephone manner.

We offer a competitive salary, moving expenses and excellent benefits. Interested qualified candidates should send their curriculum vitae and three professional references in confidence to: Josette Gaudreau, Upstate Biotechnology, Inc., 199 Saranac Avenue, Lake Placid, NY, 12946. Equal Opportunity Affirmative Action Employer.
**Pro-Neuron, Inc.**

**Protein Chemistry**  
**Molecular Biology**  
**Organic Chemistry**

**Protein Chemist.** The successful candidate will have experience in the area of protein purification and characterization at both the research and production level and will be expected to investigate the enzymology of tumors and the potential for new drug targeting approaches. The candidates should have a Ph.D., a good understanding of protein chemistry, protein purification systems and enzymology. Knowledge of tissue culture, cancer biology, and antibodies would be an asset.

**Molecular Biologist.** To investigate the properties of novel pharmaceutical agents at the level of gene expression. Candidates should have a MSc and some experience with RNA purification, RT PCR, and quantitative PCR. A background in pharmacology would be an advantage.

**Synthetic Organic Chemist.** Candidates should have a Ph.D., 0-5 years experience in modern methods of synthesis (manipulating hazardous or toxic compounds) and analysis (HPLC, NMR), a concern for safety, and good communication skills. Background in cancer chemotherapy would be an advantage.

These challenging positions are opportunities for energetic, highly motivated individuals to play a significant role in developing products and participating in the success of the company.

**Pro-Neuron, Inc.** is a dynamic development stage pharmaceutical company. We offer an excellent salary and a comprehensive benefits package. For immediate consideration, please send resume with salary history to: Pro-Neuron, Inc., 1530 E. Jefferson Street, Rockville, MD 20852, Dept. JK

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**CORNELL UNIVERSITY**

**TENURE TRACK POSITION**  
**EXPERIMENTAL BIOPHYSICS**

The School of Applied and Engineering Physics at Cornell University is seeking applicants for a new tenure track assistant professorship with experimental research concentration in the application of physics to the study of biological systems. Candidates must be able to develop a successful independent research program, and to participate effectively in the teaching of advanced applied physics curriculum, and biophysics courses at the undergraduate and graduate level. Substantial institutional support for research program start-up will be available. Depending upon research interests the successful candidate can benefit from association with Cornell’s interdisciplinary research centers, national facilities, and national resources. These include the Cornell High Energy Synchrotron Source (CHESS); the Cornell Biotechnology Center; the NIH funded Resources: the Biomedical Technology Resource for Macromolecular Diffraction, the Developmental Resource for Biophysical Imaging and Optoelectronics, and the Parallel Processing Resource for Biomedical Scientists; the National Nanofabrication Facility; the Center for Theory and Simulation in Science and Engineering, a national supercomputer facility; and the Materials Science Center. Substantial interactions with the Cornell Biophysics and Bioengineering Programs and associated research programs in the Chemical Engineering, Biochemistry, Chemistry, Physics, and Neurobiology academic units at Cornell will be encouraged.

An appointment is expected to begin September 1995, but an earlier or later start is possible upon the mutual agreement of the successful candidate and the School. Applications, which should include a resume, a statement of research interest, a publication list, copies of most important publications or preprints, and three letters of recommendation should be submitted to Professor Robert A. Buhrman, Director, School of Applied and Engineering Physics, 210 Clark Hall, Cornell University, Ithaca, New York 14853-2501. The deadline for receipt of applications is Feb. 15, 1995, or until the position is filled.

**CORNELL UNIVERSITY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.**
The Gladstone Institute of Cardiovascular Disease, University of California, San Francisco.

Postdoctoral positions available in the labs of:

Israel F. Charo, M.D., Ph.D.: Research on the role of monocyte/macrophages in early atherosclerosis. Current projects are focused on the recently cloned receptor for monocyte chemotactic protein 1 (MCP-1) and related receptors in the rapidly emerging family of cytokines known as the chemokines. Methodology includes expression of receptors in Xenopus oocytes and mammalian cells to examine signaling pathways and ligand binding domains, as well as the development of transgenic mice. Experience in molecular biology, signal transduction, or transgenic mice is desirable.

Bruce R. Conklin, M.D.: Research on cell signaling and gene therapy. Focus is on basic mechanisms of receptor activation and the engineering of cell surface receptors to selectively effect an expansion of transfected tissues. Methodology involves expression of mutant receptors in mammalian cells, signaling assays and gene transfer into mice. Experience in molecular biology, signal transduction and gene expression desirable.

Thomas L. Innerarity, Ph.D.: Two positions: Study the molecular mechanism and physiology of apoB RNA editing. This would involve the characterization of the recently developed transgenic mice expressing apoB mRNA editing activity. The second position will use transgenic animals to investigate the genetic disorder familial defective apoB100 and the mutations of apoB100 that disrupt LDL binding to the LDL receptor.

Stephen G. Young, M.D.: Research on the structure and function of apolipoprotein B (apo B). Analysis of transgenic mice expressing human apo B and analysis of mice with targeted apo B gene mutations. Development of new mouse models to study apo B structure/function and apo B gene expression. Experience with transgenic mice and/or molecular biology techniques is desirable. Candidates should possess an M.D. or Ph.D. in molecular biology or biochemistry. Competitive salary and benefits. Send C.V. and names of three references to: Postdoctoral Recruitment; Gladstone Institute of Cardiovascular Disease, UCSF; P.O. Box 418100; SF, CA 94141-9100. AA/EEO.

Graduate Study in Biology in the Areas of:

- Ecological Physiology including autotrophic symbiosis, ecotoxicology, organismal performance, and comparative physiology.
- Molecular Developmental And Cell Biology including signal transduction, developmental role of the cytoskeleton, hormone action, mechanisms of cell growth and differentiation, and molecular basis of development.
- Molecular Evolutionary Genetics including molecular population genetics, molecular phylogenetics, statistical analysis of molecular genetic data.
- Physiology including biology of aging, molecular neuroendocrinology, and neuroplasticity.

For more information about the Department of Biology contact,

Graduate Secretary
Department of Biology
The Pennsylvania State University
208 Erwin W. Mueller Laboratory
University Park, PA 16802-5301
Telephone (814) 863-7034
Email: hap2@psuvms.psu.edu

On the Internet, check World Wide Web URL:
http://www.cac.psu.edu/~sws4/Biology/Biology.html
An Equal Opportunity University
Wasting Disorders: Molecular and Clinical Aspects
February 23–26, 1995
Bonaventure Resort and Spa
Fort Lauderdale, Florida

This symposium will provide a current review for the basic scientist and clinician interested in the development and management of mainutrition. The symposium will examine the maintenance and loss of nutritional homeostasis from the point of view of the organism, the organ, the cell, and the molecule.

Invited Speakers:

Bruce Bistrian
Dwight E. Matthews
Maxine Papadakis
Joseph Brozek
Carl Grunfeld (Chair)
Gerald T. Kayeuch
Dwight E. Matthews
Maxine Papadakis
Irwin Rosenberg
Morris Schambelan
Vernon Young
Peter Durle
Mark Hellerstein
Donald P. Kotler (Chair)
Lyle Moldower
F. Xavier Pi-Sunyer
Ronenn Roubenoff
Jamie Von Roenn
Thomas Ziegler

Submission of abstracts for posters is encouraged. For more information regarding brochures, registration and poster abstract forms, please contact:

Leslie Nies, Serono Symposia, USA
100 Longwater Circle, Norwell, MA 02061
Tel: 800-283-8088 or 617-982-9000
FAX 617-982-9481

THE ENVIRONMENTAL AND OCCUPATIONAL HEALTH SCIENCES INSTITUTE
PISCATAWAY, NEW JERSEY, USA

BENZENE '95:
An International Conference on Toxicity-Carcinogenesis-Epidemiology
June 17 - 20, 1995

DISCUSSIONS will focus on the mechanisms by which benzene and its metabolites induce bone marrow depression and leukemia. Emphasis will be placed on exposure to benzene; benzene metabolism and toxicokinetics; cellular toxicology in bone marrow cells; progression from bone marrow damage to leukemia; chromosome damage; biomarkers; human epidemiology; and risk assessment.

Voluntary presentations are invited.

For further information contact: Jill Braun at (908) 932-9271; (908) 932-8726 FAX
EOHSI is jointly sponsored by the University of Medicine and Dentistry of New Jersey-Robert Wood Johnson Medical School and Rutgers, The State University of New Jersey.

Harvard University
Summer Fellowship Program for Minority Undergraduates
Graduate Studies In Organismic and Evolutionary Biology

The Department of Organismic and Evolutionary Biology invites applications from minority college students to its Graduate Program and its Summer Fellowship Program for Minority Undergraduates.

Faculty in this Department conduct research in the areas of ecology, genetics, behavior, physiology, paleontology, marine biology, biological oceanography, population biology, molecular evolution, functional morphology, plant and animal systematics.

The Graduate Program has a diverse student body of women and men advised by faculty members who share a strong commitment to train scientists pursuing a greater understanding of the evolution of the earth’s life processes. Modern research facilities, combined with the natural history collections and libraries of the Harvard University Herbaria and the Museum of Comparative Zoology, provide unique opportunities for meeting the challenges inherent in this pursuit. Financial aid is available to all accepted students. The application deadline is December 15, 1994.

The Summer Fellowship Program focuses on college sophomores, juniors and seniors from under-represented cultural groups. The goal of the program is to increase cultural diversity among scientists in the future. Students selected for the program spend eight weeks, from mid-June to mid-August, on the Harvard campus doing laboratory research. Stipends, room, and board are available to all accepted students. The application deadline is March 15, 1995.

For more information and application forms contact:

Dept. of Organismic & Evolutionary Biology
Harvard University
26 Oxford Street
Cambridge, MA 02138, 617/495-2305

Harvard is an equal opportunity/affirmative action employer.
The Scripps Institution of Oceanography at the University of California, San Diego, seeks a visionary leader to guide its unique public education and outreach program—The Stephen Birch Aquarium-Museum—into the next century. The successful candidate will be a collaborative, energetic, and dynamic individual who has the scientific credibility, knowledge, and creativity to work closely with scientists and faculty at Scripps in the translation of institution research into effective public exhibit and educational programs. He/she will have the stature, interpersonal skills, and personal qualities to work nationally to develop successful fundraising and community outreach programs.

Most importantly, the candidate selected will have a deep personal commitment to communicating scientific concepts and principles to the lay public of all ages. A Ph.D. in oceanography, biology, or earth sciences preferred.

The Scripps Institution of Oceanography is one of the world’s oldest, largest, and most important centers for research, education, and public service in the marine and earth sciences. Founded in 1903, Scripps’ original charter required it to maintain and operate a public aquarium and museum. The first public program was initiated in 1905 and has operated continuously since, providing “a window into the Scripps Institution.” The present program occupies a new facility—The Stephen Birch Aquarium-Museum. Opened in September 1992, it contains over 50,000 gross square feet of interior exhibit and support space and 20,000 square feet of exterior exhibit space. Attendance is in excess of 400,000 per year with over 60,000 K-12 school children participating in extensive education programs. The annual budget is approximately $2.1 million.


University of California, San Diego

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**EXECUTIVE DIRECTOR**

**Stephen Birch Aquarium-Museum**

**Scripps Institution of Oceanography**

**University of California, San Diego**

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**TENURE-TRACK POSITION IN STRUCTURAL BIOLOGY AT THE NATIONAL INSTITUTES OF HEALTH**

**BETHESDA, MARYLAND**

A tenure-track position is available for a structural biologist to establish an independent research program in the Laboratory of Molecular Biology, NIDDK, NIH. Applicants for this position should have a record of achievement in some area of structural biology. Salary will be commensurate with credentials and research experience.

Research in the Laboratory is concerned with DNA transcription, transposition and recombination, and with the structures of nucleic acids and proteins, including protein complexes, HIV proteins and proteins of the immune system. The Laboratory is located in Building 5 on the NIH campus in Bethesda, Maryland, just outside Washington, D.C. Senior scientists in the Building include Gary Feisenfeld, Martin Gellert, Kiyoshi Mizuuchi, William Eaton, Marius Clore, Angela Gronenborn and Ad Bax.

Interested candidates should send a curriculum vitae, copies of major publications, a research plan and arrange to have three letters of reference sent to:

**David R. Davies**

Laboratory of Molecular Biology

NIDDK, NIH

Bldg. 5, Room 338

9000 Rockville Pike

Bethesda, MD 20892-0560

(301) 496-4295

(301) 493-0201 Fax

Deadline for receipt of applications is December 15, 1994.

NIH is an Equal Opportunity Employer
Lectureship in Anatomy

Applications are invited for a Lectureship in the Department of Anatomy (Ref. 94/95-14), tenable from 1 January 1995. The appointment will be made on a fixed-term basis for a period of three years, with a possibility of renewal.

Applicants should have a higher degree in a relevant scientific subject with postdoctoral research experience, or a medical or dental degree and research/clinical experience. The appointee is expected to undertake general teaching duties for preclinical students of medicine and dentistry in one or more anatomical specialties, to conduct research and to supervise postgraduate students. Preference will be given to applicants who have research interests in one of the department's existing areas of expertise which include Anthropology, Cancer Biology, Molecular and Cell Biology, Neurobiology, Neuroendocrinology and Reproductive Biology.

Annual salary [non-superannuable but attracting 15% (taxable) terminal gratuity] is on an 11-point scale, with starting salary depending on qualifications and experience: HK$412,680 - HK$689,880 (approx. US$53,634 - US$88,595; US Dollar equivalents as at 5 October 1994). At current rates salaries will not exceed 15% of gross income. Children's education allowances, leave, and medical benefits are provided; housing or tenancy allowances are also provided in most cases at a charge of 7% of salary.

Further particulars and application forms may be obtained from the Appointments Unit, Registry, The University of Hong Kong, Hong Kong (fax: (852) 655 2068; E-mail: APPTUNI@HKUVM1.HKU.HK). Applicants are also invited to request the University's listserv accessed by E-mail as "listserv@hkuvm1.hku.hk" (specify "get apptmt fileпис" for list of vacant posts, "get" under the individual post file for details and "help" for listserv commands). Closes 9 December 1994.

Lectin BioPharma Inc. (LBI) is a Ventura, California-based developmental stage company engaged in the research and development of prophylactic products based on the exploitation of lectins. Our unique technology has given us a proprietary edge in tackling the multi-faceted challenges associated with a diverse range of human infectious diseases, including sexually transmitted diseases (STDs). Join us as we aggressively pursue new product development programs as a member of our R&D team.

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The motivated senior scientist we seek must possess a Ph.D. in Microbiology, a minimum of three years of post-doctoral experience, preferably in the field of STDs, and experience with carbohydrates and/or carbohydrate-binding proteins. Experience with in vitro and in vivo evaluation of anti-infectives, a clear understanding of experimental design, and the ability to create focused strategies that: advance projects are also highly desirable.

LBI offers a very stimulating research environment in which team synergy and scientific curiosity are encouraged. We offer a competitive salary and benefits package. For confidential consideration, please send a letter of introduction, resume, and a list of publications to Human Resources Department, Lectin BioPharma Inc., 1673 Donlon Street, Suite 205, Ventura, CA 93003. LBI is an equal opportunity employer.
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Currently we have an opportunity available for a Senior Scientist within the Reproductive Endocrinology Group. This position, focusing on key aspects of reproduction, requires a solid background in the biology and pharmacology of reproduction. This person will be responsible for the establishment and development of in vitro and in vivo model systems for progestational and estrogentic activity. A Ph.D. in Pharmacology or related field with 0-3 years post-doctoral experience is required. A background in progestin receptor pharmacology and development of animal models is desirable.

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Minority Traineeships in Oceanography

The Woods Hole Oceanographic Institution offers special educational opportunities in oceanography for minority undergraduate U.S. citizens or permanent residents. These awards are designed to provide training and research experience in Woods Hole for students who have completed at least two semesters of undergraduate study in physical or natural science, mathematics, or engineering and have an interest in oceanography or oceanographic engineering.

Traineeships may be awarded for a ten to twelve week period in the summer or for a semester during the academic year and may be renewed the following year. The Trainee is paid a stipend of $325 per week, plus round trip travel to Woods Hole. This program is jointly sponsored with the:


Application deadline for Summer 1995 is March 1, 1995.

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NEW JERSEY MEDICAL SCHOOL

FACULTY OPENINGS

The University of Medicine and Dentistry of New Jersey- New Jersey Medical School, Newark, New Jersey, is seeking applications at the Assistant Professor to Full Professor level to fill the following openings:

PROFESSOR

Academically oriented pathologist to assist in coordinating all of the educational programs of the Department of Pathology and in addition, will develop Quality Assurance programs for departmental service functions. Qualifications include five to ten years of experience at tenured professorial level in a similar position, as well as a track record of scholarly publications. Board certification in diagnostic pathology as well as demonstrated excellence (awards, etc.) in teaching are essential requirements.

ASSOCIATE PROFESSOR/PROFESSOR

Academically oriented pathologist to coordinate all Anatomic Pathology Services. Candidate chosen will serve as chief of Anatomic Pathology and Vice Chairman. Must have appropriate academic and clinical credentials for this position.

ASSOCIATE PROFESSOR/PROFESSOR

Academically oriented surgical pathologist to direct the Division of Surgical Pathology at University Hospital. Must have broad experience in all aspects of diagnostic pathology as well as a track record of scholarly accomplishments.

ASSOCIATE PROFESSOR/PROFESSOR

Academically oriented cytopathologist with clinical research interest in fine needle aspiration, image analysis and immunostaining techniques. Candidate chosen will serve as Division Director for Cytopathology. Must be board certified.

ASSISTANT PROFESSOR/ASSOCIATE PROFESSOR

Board certified academically oriented pathologist with at least two year fellowship experience in oncologic pathology and molecular diagnostics. Must have track record of scholarly publications and research experience.

ASSISTANT/ASSOCIATE PROFESSOR

Two positions. Research Faculty to participate in ongoing studies of DNA replication and molecular immunology.

ASSISTANT/ASSOCIATE PROFESSOR

Board certified Pathologist with Fellowship training in Anatomic and Molecular aspects of hematopathology.

Candidates should send their curriculum vitae to Dr. Stanley Cohen, Chairman, Department of Laboratory Medicine and Pathology, UMDNJ-NJMS, 185 South Orange Avenue, Newark, NJ 07103. Letters of recommendation should be sent directly to Dr. Cohen. The University of Medicine and Dentistry of New Jersey is an equal opportunity/affirmative action employer.
Minority Medical Faculty Development Research Fellowships

The Minority Medical Faculty Development Program, sponsored by the Robert Wood Johnson Foundation, has up to 12 positions beginning in 1996. The program offers postdoctoral research fellowships to physicians from under-represented minority groups as defined by the Association of American Medical Colleges (African-Americans, Mexican-Americans, Native Americans, and mainland Puerto Ricans who have completed at least college and medical education on the mainland). These individuals must have demonstrated superior academic and clinical skills and must be committed to careers in academic medicine with special interest in BIOMEDICAL RESEARCH, CLINICAL INVESTIGATION, OR HEALTH SERVICES RESEARCH. The fellowship supports four consecutive years of research training. Each Fellow will receive an annual stipend of up to $50,000 with 5% increases per year and a fixed $25,000 annual grant toward support of research activities.

Applicants must be U.S. citizens and must have completed formal clinical training by the projected time of entry into the program. The application deadline is March 31, 1995; applications must be requested by February 28, 1995.

For further information and application materials, contact James R. Gavin III, M.D., Ph.D., Program Director, Minority Medical Faculty Development Program, 4733 Bethesda Avenue, Suite 350, Bethesda, MD 20814. Telephone (301) 913-0210.

INTEGRATIVE BIOLOGISTS
Arizona State University

The Department of Zoology invites applications for two tenure-track positions at the level of Assistant Professor beginning in Fall 1995 from biologists who are studying questions that integrate multiple levels of organization.

Position 1 - An integrative biologist who uses an evolutionary or organismal perspective to study questions at the molecular to organismal level. Individuals using theoretical, comparative, or experimental approaches in fields such as cellular/developmental biology, neuroscience, morphology, physiology, and genetics are encouraged to apply.

Position 2 - An integrative biologist who uses evolutionary or ecological perspectives to study questions integrating multiple levels of organization at the organismal level or above. Researchers using theoretical or empirical approaches are encouraged to apply.

Candidates for both positions must have demonstrated a strong commitment to teaching and basic research, and must have a Ph.D. in an appropriate area by August 1995. Applicants should forward a curriculum vitae, reprints, letters of reprints, statements of teaching and research, with the latter addressing the integrative nature of their work, and arrange for three letters of reference to be sent directly to Dr. Neil S. Hadley (Position #1) or Dr. Stanley H. Faeth (Position #2), Department of Zoology, Box 871501, Arizona State University, Tempe, AZ 85287-1501. Review of applications will begin December 15 and continue until each position is filled.

Applications from two individuals for a single shared appointment will be considered.

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PLANT DEVELOPMENTAL BIOLOGY ASSISTANT PROFESSOR

Florida International University, the State University of Florida at Miami, seeks to fill a tenure track position in Plant Developmental Biology to start Aug., 1995. We are especially interested in candidates with expertise in genetics or molecular biology. The successful candidate will teach undergraduate courses in cell biology or genetics, as well as graduate courses in his/her specialty, and will establish a successful research program. Ph.D. required, post-doctoral experience preferred. To apply, send curriculum vitae and 3 letters of reference to: Dr. J. Richards, Chairperson, Plant Developmental Biologist Search and Screen Committee, Department of Biological Sciences, Florida International University, Miami, FL 33199. Applications must be postmarked by 23 December, 1994. FIU is an Equal Access/Affirmative Action/Equal Opportunity Employer and a member of the State University System of Florida.

EVOLUTIONARY BIOLOGY ASSISTANT PROFESSOR

Florida International University, The State University of Florida at Miami, seeks a tenure-track Assistant Professor in Evolutionary Biology. Candidates with exceptional expertise in the mathematical issues of phylogeny reconstruction and/or analysis of molecular population genetic data will be given preference. We seek a candidate who is eager to collaborate in interdisciplinary studies. The successful candidate will develop undergraduate and graduate courses, supervise M.S. and Ph.D. students, and pursue research in their area of interest. A Ph.D. and vigorous research program in an area of specialization required, postdoctoral experience is preferred. The position is available for the Fall 1995, semester. To apply send curriculum vitae, 3 letters of reference, and representative publications to: Dr. Joel Trexler, Chair Evolutionary Biology Search Committee Department of Biological Sciences, Florida International University, Miami, FL 33199; FAX: (305) 348-1986. Applications must be postmarked on or before December 23, 1994. FIU is an Equal Access/Affirmative Action/Equal Opportunity Employer and a member of the State University System of Florida.

COMPARATIVE VERTEBRATE PHYSIOLOGIST ASSISTANT PROFESSOR

Evolutionary/ecological orientation is preferred for a tenure track position at Florida International University (FIU), the State University of Florida at Miami. Responsibilities include grant-funded research in area of specialty, undergraduate and graduate courses in comparative and vertebrate physiology, and supervision of masters & Ph.D. students. A Ph.D. is required and postdoctoral experience is preferred. To apply, send curriculum vitae, relevant reprints, and three letters of recommendation to: Dr. Philip Stoddard, Chair Vertebrate Physiologist Search, Department of Biological Sciences, Florida International University, Miami, FL 33199; FAX 305/348-1986. Applications must be postmarked by 23 December, 1994. FIU is an Equal Access/Affirmative Action/Equal Opportunity Employer and a member of the State University System of Florida.
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For further information please contact

Prof. Dr. Gerhard Wegner,
MPI für Polymerforschung,
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D-55021 Mainz, Germany
Tel: 06131 379 -330 Fax: 06131 379 - 330
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  - Inflammation, cystic fibrosis
- Norma Gerard, PhD
  - Neuropeptide/cytokine receptors
- Edward Ingenito, MD, PhD
  - Immunophysicsiology of sepsis
- Mary Ellen Wohl, MD
  - Physiology of lung growth

Direct inquiries to:

Deborah Zalen, Administrator
Respiratory Division
Brigham and Women's Hospital
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Connective Tissue Molecular Biologist

The University of Calgary Joint Injury and Arthritis Research Group invites applications for a full-time academic research position at the Assistant Professor level or higher in the area of connective tissue molecular biology. Qualifications include a PhD and postdoctoral training in the regulation of matrix gene expression, growth factors and receptors of connective tissue cells, integrins and other matrix receptors, or proteinase regulation, as related to arthritis, wound healing or inflammation. Skills in teaching and graduate training experience also required. Academic appointment will be with an appropriate department in the Faculty of Medicine. The selected candidate must develop an independent research program in the multidisciplinary research group, compete successfully for salary and operating support from the Alberta Heritage Foundation for Medical Research, the Medical Research Council of Canada and/or The Arthritis Society, and will have 75% of time protected for research.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Calgary is committed to Employment Equity. Please send a curriculum vitae and the names and addresses of three referees by January 31, 1995, to:

Dr. Marvin Fritzler, Chair, Selection Committee
Joint Injury and Arthritis Research Group
The University of Calgary, 3330 Hospital Drive N.W.
Calgary, Alberta, Canada T2N 4N1
GRAND VALLEY STATE UNIVERSITY

NATURAL RESOURCES POLICY: Grand Valley State University, a regional comprehensive university that emphasizes excellence in teaching and service to its geographic region and encourages faculty research that can include students, is seeking a person with a Ph.D. in natural resources or a related environmentally oriented program. The position is tenure-track at the Assistant or Associate Professor rank. Responsibilities include teaching courses in research management and policy, environmental impact assessment, environmental regulations, environmental ethics, senior seminars, special topics in area of expertise, and others as qualified. Other assignments include advising majors and serving on committees. Preference will be given to those with an undergraduate degree in a natural science, teaching experience, and research involving undergraduates. Excellent communication skills and field experience are required. Salary commensurate with experience and qualifications. Applications must be received by December 2, 1994. Send letter of application, transcripts, statement of teaching philosophy and research interests, curriculum vitae, and three letters of recommendation to Dr. Melvin Northup, Chair, Search Committee, Department of Biology, Grand Valley State University, Allendale, Michigan 49401, EEO/AAD.

BIOLOGY: Grand Valley State University, a regional comprehensive university that emphasizes excellence in teaching and service to its geographic region and encourages faculty research that can include students, is seeking people for three tenure-track positions at the Assistant or Associate Professor rank.

PLANT BIOLOGY: Ph.D. in biology, botany, or related field. Coursework and experience in the area of structure and/or function of fungi or non-seed plants. Interest in horticulture of plant pathology would be a plus. Field experience required. Responsibilities include teaching courses in plants and fungi, general biology, and others as qualified as well as to develop courses in the area of expertise. Address response to Chair of Plant Biology Search Committee.

FRESHWATER FISH BIOLOGY: Ph.D. in biology, ecology, zoology, or related field. Coursework and experience in the area of natural history and ecology of freshwater fishes that could include behavior, ecological genetics, evolution, or physiological ecology. Applicants with background primarily in fisheries management will not be considered. Field experience required. Responsibilities include teaching courses in fish biology, ichthyology, general biology, and others as qualified as well as to develop courses in the area of expertise. Address response to Chair of Fish Biology Search Committee.

CELL BIOLOGY: Ph.D. in cell biology, biology, zoology, or related field. Coursework and experience in the area of cell biology, cell physiology, and developmental biology. Responsibilities include joining others in teaching courses in cell and molecular biology, embryology, general biology, genetics, and others as qualified as well as to develop courses in the area of expertise. Address response to Chair of Cell Biology Search Committee.

Preference will be given to those with teaching experience and demonstrated experience of interest involving undergraduates. Excellent communication skills are required. Salary commensurate with experience and qualifications. Applications must be received by December 2, 1994. Send letter of application, transcripts, statement of teaching philosophy and research interests, curriculum vitae, and three letters of recommendation to: Department of Biology, Grand Valley State University, Allendale, Michigan 49401. EEO/AAD/ADA

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Ph.D. (immunology/molecular biology) to 1) study the immunopathogenesis of lentivirus gene expression in animal models including transgenic mice (1 position) and to 2) study the immune response to viral vaccines (1 position). Ability to perform assays to characterize the humoral and cellular immune response to infectious viral diseases required.

SR. RESEARCH TECHNICIAN - BS/MS (molecular biology) with 2-5 years experience in DNA sequencing, PCR screening, quantitative PCR, cloning, oligonucleotide synthesis, in situ hybridization, and gene expression for research/services group.

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