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For GLOBE CAREER OPPORTUNITIES display advertisements, turn to pages 1023, 1043, and 1045.

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**POSITIONS OPEN**

**ASSISTANT PROFESSOR**

**MOLECULAR/CELL BIOLOGY**

The Department of Natural Sciences at the University of North Florida invites applications for a TENURE-TRACK position beginning August 1997. A Ph.D. in eukaryotic molecular or cell biology is required. Applicants must demonstrate commitment to undergraduate teaching and the ability to conduct meaningful research involving undergraduates. Responsibilities include teaching in molecular biology and an introductory biology course. Postdoctoral experience and the ability to procure external funding are valued assets. A letter of application, curriculum vitae, concise statements of teaching and research interests, undergraduate and graduate transcripts, and three letters of reference should be sent to: Joseph A. Butler, Biology Search Committee, Department of Natural Sciences, University of North Florida, Jacksonville, FL 32224-2645, by postmark deadline January 6, 1997. The University of North Florida is an Equal Opportunity/EQUAL ACCESS/AFFIRMATIVE ACTION Institution. Individuals who wish reasonable accommodations to participate in the application/selection process must notify the Employment Area at the address and telephone number listed above a minimum of five working days in advance of the interview.

**ASSOCIATE PROFESSOR**

**MOLECULAR/CELL BIOLOGY**

The Department of Natural Sciences at the University of North Florida invites applications for a TENURE-TRACK position beginning August 1997. A Ph.D. in eukaryotic molecular or cell biology is required. Applicants must demonstrate commitment to undergraduate teaching and the ability to conduct meaningful research involving undergraduates. Responsibilities include teaching in molecular biology and an introductory biology course. Postdoctoral experience and the ability to procure external funding are valued assets. A letter of application, curriculum vitae, concise statements of teaching and research interests, undergraduate and graduate transcripts, and three letters of reference should be sent to: Joseph A. Butler, Biology Search Committee, Department of Natural Sciences, University of North Florida, Jacksonville, FL 32224-2645, by postmark deadline January 6, 1997. The University of North Florida is an Equal Opportunity/EQUAL ACCESS/AFFIRMATIVE ACTION Institution. Individuals who wish reasonable accommodations to participate in the application/selection process must notify the Employment Area at the address and telephone number listed above a minimum of five working days in advance of the interview.

**UNIVERSITY OF ARKANSAS**

Undergraduate Education

The Department of Biological Sciences invites applications for a TENURE-TRACK position as a SPECIALIST in Biology Education to strengthen a prospective and vital undergraduate teaching program. We seek a colleague with a doctorate, postgraduate training in the biological sciences, and demonstrated experience in progressive methods (e.g., computer-based learning) for teaching undergraduates biology courses. This faculty member will work with other faculty to revitalize and update departmental instruction at the undergraduate level. Inquiries and completed applications are due to: Dr. Douglas Rhoads, Chair of Faculty Search Committee, 601 SCEN, University of Arkansas, Fayetteville, AR 72701. Email: drhoads@comp.uark.edu. The University of Arkansas is an Equal Opportunity/Affirmative Action Institution. Applicants must have proof of legal authority to work in the United States at the time of hire. The Department is especially interested in applications from qualified candidates who would contribute to racial, ethnic, and gender diversity.

**FACULTY POSITIONS**

**YALE UNIVERSITY**

Department of Molecular Biophysics and Biochemistry

The Department of Molecular Biophysics and Biochemistry seeks applicants for positions at the ASSISTANT PROFESSOR level. Our department, which is located in both the Faculty of Arts and Sciences and the School of Medicine on the University campus, spans a broad range of areas including biochemistry, biophysical chemistry, structural biology, molecular biology, and biocomputing. Responsibilities include teaching a standard yearly course in molecular biology, and contributing to the appropriate graduate curriculum. Applicants are expected to have a Ph.D. in the field and publish original research. Position is available as early as September 1, 1997. Further information can be obtained from Dr. Keith N. Ehrman, Chair Search Committee, Department of Molecular Biophysics and Biochemistry, Yale University, 260 Whitney Avenue, P. O. Box 204144, New Haven, CT 06520-8114. Telephone: 1-203-432-5593. Applications should be submitted by December 1, 1996.

Yale University is an Affirmative Action/Equal Opportunity Employer. Applications from women and members of minority groups are encouraged.

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**FOR FOREST ECOLOGIST**

The Appalachian Environmental Laboratory (AEL) of the University of Maryland System Center for Environmental and Estuarine Studies invites applications for a ten-ure-track ASSISTANT PROFESSOR in forest ecology to further enhance its research initiative in Landscape Ecol-ogy and Watershed Dynamics. Candidates with interests in real and/or applied forest ecology, biogeochemistry, biota/ climate interactions, or effects of disturbance or stress (e.g., land use change, climate change, atmospheric deposition, etc.) are encouraged to apply. Preference is given to candidates who have experience in the use of modeling, remote sensing/GIS, or other appropriate technologies for extrapolating results from local to regional scales. The successful candidate must have completed a Ph.D. at the time of appointment and must demonstrate the potential for generating external research funding and working collaboratively in a multidisciplinary research program focused on the Chesapeake Bay watershed; candidates with post- doctoral research experience are preferred. AEL faculty are also expected to participate in graduate education.

An application letter, curriculum vitae, statement of research and teaching interests, selected reprints, and a list of four references (name, address, telephone, fax, and Email) should be sent to: Dr. Keith N. Ehrman, Chair, Forest Ecology Search Committee, Appalachian Environmental Laboratory, University of Maryland, 3512 Proctor Drive. The University of Maryland is an Affirmative Action/Equal Opportunity Employer. Women and minorities are strongly encouraged to apply.

**UNIVERSITY OF IOWA, IOWA CITY**

The Department of Biology invites applications for a position to begin September 1997. A doctoral degree, postdoctoral experience, and a record of research productivity are required. Teaching responsibilities include courses in molecular biology at the undergraduate and graduate levels and contributions to team-taught courses in the department. The successful candidate will be expected to establish and maintain an active research program in the area of extracellular signal transduction affecting graduate and undergraduate students. Candidates with successful experience teaching and mentoring students from under-represented racial/ethnic groups and women are encouraged to apply. Applicants should submit a curriculum vitae, three recent publications, and statements of research interests and teaching experience, and should have three letters of reference sent to: Chair, Molecular Biology Search Committee, Department of Biology, University of Iowa, Iowa City, IA 52242. Review of applications begins 30 December. University of Iowa is an Equal Opportunity/Affirmative Action Employer. Members of under-represented groups (people of color, persons with disabilities, Vietnamese refugees, and women) are strongly encouraged to apply.

**FACULTY POSITION IN PHARMACOLOGY**

**UNIVERSITY OF IOWA, IOWA CITY**

The Department of Pharmacology at University of California, Irvine (UCI) invites applications for a tenure-track faculty position at the level of ASSISTANT PROFESSOR. We seek a scholar with a proven record of research accomplishment in molecular biology who has an interest in the function of brain neurotransmitters and receptors. Special consideration will be given to candidates with expertise and publications in gene "knock-out" procedures. Other qualifications include an M.D. and/or Ph.D. in pharmacology or a related field and an interest and talent for teaching. Curriculum vitae, references, and a summary of research interests should be sent to: Prof. O. Givelli, Chair Search Committee, Department of Pharmacology, College of Medicine, University of California, Irvine, CA 92697-4625. UCI is an Affirmative Action/Equal Opportunity Employer.

**ASSOCIATE PROFESSOR OF BIOCHEMISTRY**

Fitch UHS/Chicago Medical School. Tenure-track ap- pointment in the area of protein structure/function includ-ing the elucidation of protein structures using NMR, X-ray crystallography, or other physical biological methods. Biophysical chemistry, biophysical chemistry, structural biology, molec- ular evolution, and biocomputing. Responsibilities include teaching a standard yearly course in molecular biology, and contributing to the appropriate graduate curriculum. Applicants are expected to have a Ph.D. in the field and publish original research. Position is available as early as September 1, 1997. Further information can be obtained from Dr. K. E. Neet, Chairman, Department of Biological Chemistry, Fitch UHS/Chicago Medical School, 3333 Green Bay Road, North Chicago, IL 60064. An Equal Opportunity/Affirmative Action Employer.
The Ares-Serono Foundation Fellowships in Biomedicine

1997 Award Announcement

FELLOWSHIPS IN IMMUNOLOGY

Two Fellowships will be awarded by The Ares-Serono Foundation for postdoctoral training pertaining to studies in the field of immunology. The grants are awarded based on an international competition. The applications submitted should focus on research areas of neuroimmunology and autoimmunity. Fellowships may be held at any academic or research institution with appropriate degree programs.

Fellowship Terms

- Full-time postdoctoral training
- 2 years of support
- USD 40,000 annual grant towards expenses for postdoctoral training

Eligibility

- Preference will be given to candidates applying for their first postdoctoral training
- Applicants must have completed his/her PhD or MD degree no later than the start date of the fellowship
- Ability to communicate fluently in English (verbal and written)

Schedule

Application deadline: February 28th, 1997
Grants announced: June 30th, 1997
Fellowships start: October 1997

For the Application Form and Eligibility Guidelines, please contact:

Maria Grazia Cali
Secretary of the Board
PO Box 7228
00100 Rome (Nomentano), Italy
Fax +39-6-70384577
Internet address: http://www.serono.ch
E-mail address: ares-serono.foundation@pn.itnet.it
We’re Looking At The Future From Every Angle.

Imagine the environment where your expertise is continually challenged, where your ideas fuel the generation of new technologies. At GEO-CENTERS, INC., we supply all the support you’ll need to create real-world solutions to scientific, engineering and technical problems. And while our philosophy is grounded in the pursuit of imagination and creativity, our market — responsive services and sound business practices — has established us as one of the 500 fastest growing companies in America. Take advantage of our strength to heighten your success.

Surface Chemist

Surface Chemist sought for fabrication of patterned molecular surfaces for applications in biological sensors and diagnostic arrays. Candidates should possess a Ph.D. in Chemistry, Materials Science, or equivalent discipline. Experience with organosilane self-assembled films, microlithographic and non-lithographic patterning processes, as well as surface analytical chemistry is preferred. (Code 2397)

Cell Biologist

Cell Biologist sought for the development and application of cell culture techniques for biosensor and high-throughput biological diagnostic applications. Candidates should possess a Ph.D. in Cell Biology or equivalent discipline. Experience in cell surface receptors, cell adhesion molecules, expression of inflammatory or regulatory cytokines and growth factors, and/or controlling cell cycle events will be given preference. (Code 2398)

Additional Positions

Ph.D. level candidates are also sought for various postdoctoral positions in the two research areas: Biological/Biomaterials Scientist to develop tailored materials for angiogenesis, cell differentiation, and improved biocompatibility; Surface Chemist with Inorganic or Organic specialization to develop lithography processes for nanoelectronic/quantum device fabrication. (Code 2399)

GEO-CENTERS, INC. offers a highly competitive salary, generous benefits and relocation assistance. Candidates should forward their resume, salary requirements and references to: GEO-CENTERS, INC., 10903 Indian Head Highway, Fort Washington, MD 20744, Attn: Deborah Hall-Greene/Code 2399.

CALIFORNIA INSTITUTE OF TECHNOLOGY
Division of Geological and Planetary Sciences

The California Institute of Technology announces two fellowships in earth and planetary sciences: O.K. EARL POSTDOCTORAL FELLOWSHIP TEXACO POSTDOCTORAL FELLOWSHIP

These awards are from funds endowed by ORRIN K. EARL, JR. and by the TEXACO PHILANTHROPIC FOUNDATION. Each fellowship carries an annual stipend of $34,000 and offers a research expense fund of $1,000 per year and one-way travel to Pasadena. The duration of each appointment will normally be two years, contingent upon good progress in the first year, and beginning with the 1997-98 academic year. Fellows are eligible to participate in Caltech’s health and dental program.

These fellowships have been established to support the research of scientists typically within two years after receipt of the Ph.D. The intent of the program is to identify and support innovative and creative work in the earth and planetary sciences, with particular emphasis on interdisciplinary work. Applicants with training in physics, chemistry, biology, or computer sciences are urged to apply. The Caltech faculty is currently active in geobiology, geochimistry, geology, geophysics, petrology, seismology, and atmospheric and planetary sciences. It is expected that each fellowship holder will be hosted by a division professor (designated by the division chairman) who will contribute to the fellowship support both financially and by providing intellectual guidance.

Application forms may be obtained by writing to Prof. E.M. Stolper, Chairman, Division of Geological and Planetary Sciences, Mail Code 170-25, California Institute of Technology, Pasadena, California 91125 (email: stover@gps.caltech.edu).

COMPLETED APPLICATIONS WITH REFERENCES SHOULD ARRIVE AT CALTECH BY MONDAY, JANUARY 27, 1997.

Fellowship candidates will automatically be considered for other available postdoctoral positions at Caltech in their fields of interest.

Caltech is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

Senior Vice Provost for Research and Chief Research Officer
Clemson University
Clemson, SC

Clemson University, a land-grant university and a Carnegie Class 2 research university that averages $52 million annually in awards for sponsored research, invites applications and nominations for the position of Senior Vice Provost for Research and Chief Research Officer. We are seeking an individual who has a record of significant accomplishments in research, substantial experience in the administration of research programs, demonstrated experience with development and promotion of major research initiatives requiring federal and/or other externally funded support, and strong interpersonal skills.

Typical responsibilities include:

- Administering the Office of Sponsored Programs, central research facilities, research compliance affairs, and the intellectual property/technology transfer program;
- Serving as institutional signature authority for sponsored programs;
- Consulting with and mentoring faculty regarding their research interests;
- Creating programs to generate increased funding and to diversify sources of funding;
- Formulating and implementing unique research opportunities where Clemson University would assume a leadership role among its peers in the State and the Nation;
- Representing Clemson University’s interests at national institutes and foundations; federal and state legislative bodies; and governmental agencies, industry, and research consortia within the US and abroad.

The individual must hold an earned doctorate and be tenurable within an academic unit of Clemson University. Salary will be commensurate with experience and qualifications. The full position description is available upon request. Nominations should include name and address of the nominee and a letter addressing the qualifications of the nominee for this position. Applicants should submit a letter of interest, a statement of research leadership philosophy, and a resume along with names, addresses, phone numbers, and e-mail addresses of five references to: Dr. R. Larry Dooley, Chairperson, SVP/CRO Search Committee, 300E Brackets Hall, Clemson University, Clemson, SC 29634-5791, Phone: 864-656-5562, FAX: 864-656-4466, e-mail: dooley@ces.clemson.edu.

Review of applications will begin January 15, 1997 and continue until the position is filled.

Clemson University is an Equal Opportunity/ADA/Affirmative Action Employer and strongly encourages applications from minorities and women.
Research Opportunity Available in Fisheries Science and Economics

The National Research Council (NRC) is accepting applications for Postdoctoral Research Associateship awards tenable at the Laboratories of the National Marine Fisheries Service's Northeast Fisheries Science Center located in Woods Hole, MA; Narragansett, RI; Milford, CT; Sandy Hook, NJ; and Washington, DC.

Award opportunities exist in the following areas: Fisheries Biology, Fisheries Oceanography, Marine Mammal Ecology, Ecosystems Modeling, Biometrics, Aquaculture, Systematics of Marine Organisms and Economics.

Depending on research area, the NRC awardee will work at one of the five laboratories designated above. Annual stipend for recent Ph.D. recipients is $34,000. Each award is for one year with possible renewal for a second year. Support is provided for relocation and limited professional travel, and a comprehensive health insurance program is offered.

For further information contact:
Dr. George Grice
Northeast Fisheries Science Center
166 Water Street
Woods Hole, MA 02543
Fax: (508) 495-2258

Applications are accepted by the NRC on a continuous basis throughout the year. Those postmarked by January 15, 1997, will be reviewed in the late February competition.

For application materials contact:
NATIONAL RESEARCH COUNCIL
Associateship Programs
(TJ-2114/NA)
2101 Constitution Avenue, NW
Washington, DC 20418
FAX: (202) 334-2759
EMAIL: rap@nas.edu

**BS/MS Scientist Cancer**

You've Heard of Us. Now Get to Know Us.

Pfizer scientists are involved in some of the most critical research in the world today. As a Fortune 100 company, we have established a product pipeline that is unparalleled, and an intellectual, collaborative environment that inspires scientific achievement. Join us, and participate in creating innovative solutions to disease and illness.

In addition to a fast-paced, yet collegial environment, we offer very competitive salaries and excellent benefits including relocation assistance. For confidential consideration, please forward resume suitable for electronic scanning (i.e., eliminate staples, bullets, bolds, underlines and staples) to: Employee Resources, Pfizer Inc. Job Code Central Research Division, Eastern Point Road, Groton, CT 06340. For more information about Pfizer, see us on the Internet at: http://www.pfizer.com. We are an equal opportunity employer M/F/D/V.

**Ph.D. Allergy and Respiratory**

We are seeking a Research Scientist with an in vivo focus to join our drug discovery team. You will join a productive multidisciplinary team whose interests encompass pharmacological manipulation of the biochemical mechanisms underlying allergy, asthma and chronic bronchitis. While we are seeking an innovative individual with a Ph.D. and 3 years' prior research experience related to respiratory or allergic disease mechanisms, comparable training in any number of disciplines may be acceptable. Ad Code: 2019

**Ph.D. General Pharmacology**

We are seeking a creative scientist to participate in the discovery and characterization of drugs for the treatment of human disease. The successful candidate will work with a talented multidisciplinary team to broadly characterize general pharmacological properties or compounds across physiological systems. Candidates should have a broad background in vivo physiological techniques including, but not limited to, respiratory, endocrine, neuroscience or behavioral physiology. This position requires a Ph.D. and 2 or more years' postdoctoral experience, and a strong publication record. Previous experience in a General Pharmacology/Safety Pharmacology group is a plus. Ad Code: 2006

**Ph.D. Molecular Biology**

We currently have 2 project teams seeking experienced Molecular Biologists: one in atherosclerosis, the other in neurodegeneration and psychotherapeutics. Responsibilities for these positions include supervising a laboratory which contributes to our programs by using molecular biology techniques to generate and validate novel targets, screens, cell-based models and animal models. Qualified candidates must possess a Ph.D. and 2 years' postdoctoral experience or equivalent in relevant field, and a strong publication record. Candidates should have a broad background in molecular techniques such as DNA synthesis, library construction and screening, PCR, protein expression, computer analysis of nucleic acid sequences and cell culture. Experience in atherosclerosis or molecular neuroscience is desirable, but not required. Ad Code: 2007

**Human Resources Generalist**

We are seeking a Human Resources professional with a high degree of flexibility and self-motivation. This individual will develop a partnership with scientific R&D professionals to understand and organizational effectiveness by utilizing contemporary HR management skills. Qualified candidates must have a BS (or equivalent) and a minimum of 3 years' HR experience, preferably in a research environment. MS preferred. Ad Code: 2033
PPL Therapeutics
Molecular Biologist - Stem Cell Research Group

PPL Therapeutics is a rapidly growing international biotechnology company at the forefront of developing transgenic technology leading to the production of therapeutic proteins in the milk of livestock. It is presently engaged in an advanced and successful stem cell program and seeks the addition of an experienced molecular biologist. The molecular biologist will be expected to develop and lead a team devoted to genetic manipulation of livestock stem cells. The successful applicant will have at least three years of postdoctoral experience in gene construction, transformation, and expression in eukaryotic cells.

PPL can offer a stimulating environment in a rapidly developing field of new technology. The company is located in pleasant rural surroundings at the Virginia Tech Corporate Research Center and will provide an attractive remuneration package commensurate with experience.

If you have the relevant experience and wish to be considered for the above position, please write with full resume including the names and addresses of two references and your current salary to:

J.D. Cooper, Ph.D.
General Manager
PPL Therapeutics Inc.
1700 Kraft Drive
Virginia Tech Corporate Research Center
Blacksburg, VA 24060
Ref PPL

GRADUATE RESEARCH OPPORTUNITIES
The Department of Zoology, Oklahoma State University, invites applications to our M.S. and Ph.D. programs in (i) Zoology or (ii) Wildlife and Fisheries Biology. Our approach is integrative, with faculty interests ranging from (i) wildlife and fisheries ecology and conservation, and (ii) environmental toxicology, to (iii) ecology, evolution, and behavior. We also house a Cooperative Fish and Wildlife Research Unit, an Ecotoxicology and Water Quality Research lab, and a Vertebrate Museum. Faculty and interests:

J. Bantle, Developmental and environmental toxicology • T.S. Carter, Behavior, conservation, zoo biology • D. Duvall, Behavior, ecology, evolution, herpetology • A.A. Echelle, Fish systemsatics, ecology and conservation • M.S. Ewing, Fish symbionts, biology education • W.L. Fisher, Fish ecology, stream ecology, fishery science, GIS • D. Fort, Developmental toxicology and biology, applied pharmacology • S. Fox, Behavioral and evolutionary ecology, herpetology • D. French, Biology and environmental education, animal behavior • M. Hamilton, Genome organization, chromosomal evolution • E. Hellgren, Wildlife nutrition physiology, large mammal ecology management • R.P. Lanno, Aquatic and soil ecotoxicology, fish • D. Leslie, Terrestrial vertebrate ecology, endangered species • R.L. Lochmiller, Nutritional ecology, wildlife toxicology • K. McBee, Environmental and evolutionary genetics, mammalogy • G.K. Ostrander, Cancer biology, aquatic toxicology, tropical ecology • C.C. Peterson, Physiological ecology, energetics, herpetology • J. Shaw, Ecology, behavior, and conservation of large mammals • E. Shroyer, Ecosystem ecology, stream and wetland structure and function • L. Talent, Lizard toxicology, nutrition, and life history • D. Toetz, Aquatic productivity, fish and lake management • R. Van Den Busche, Conservation genetics, molecular systematics, evolution.

Our single regular application deadline for the 1997/1998 academic year is 15 February 1997. Special application to individual faculty may be made at any time, although slots are limited; contact them directly. For information and application please contact:

Graduate Secretary, Department of Zoology, Oklahoma State University, Stillwater OK 74078-0459.

ASSISTANT PROFESSOR
Medical Technology

Teach courses in medical technology and clinical specialty (cytology, immunohematology, parasitology, histology and hematology), PhD or MS with certification ASCP or equivalent to teach clinical specialty and experience in teaching and medical technology field are required.

Tenure track position requiring advising students, assisting with curriculum development and participating in departmental & college activities. Strong commitment to undergraduate teaching and research/scholarship is essential. Evening and weekend hours may be assigned.

Salary range: $29,931-$52,215 commensurate with qualifications and experience.

Cover letter, CV, a brief description of research interests and names with addresses of 3 references should be sent by December 17, 1996 to: Dr. Michael Chenouda, Professor & Coordinator, Medical Technology Program, Department of Health Sciences, at the address below.

York College
The City University of New York
94-20 Guy R. Brewer Blvd.
Jamaica, NY 11435

York College verifies education and experience statements. Selected candidates must provide proof of identity and eligibility. AA/EEO/AAD.

POST-DOCTORAL/JUNIOR FACULTY POSITION
TUMOR IMMUNOBIOLOGY

A post-doctoral and/or junior faculty position is available in the Thomas E. Starzl Transplantation Institute, University of Pittsburgh, to join a multi-disciplinary team of physicians and scientists involved in the immunotherapy of post-transplant lymphoma in a large animal model and in human organ allograft recipients. Candidate must have a Ph.D. and or M.D. and experience in dendritic cell immunobiology and cellular immunology. Interest in tumor biology and excellent written and oral communication skills are essential.

POST-DOCTORAL/JUNIOR FACULTY POSITION
MOLECULAR BIOLOGY

A post-doctoral and/or junior faculty position is available in the Thomas E. Starzl Transplantation Institute, University of Pittsburgh to participate in an NIH-funded study on chimerism and its role in transplantation tolerance using molecular techniques. Strong experience in PCR, RT-PCR, Northern and Southern analyses, and quantitative assessment is essential. Interest in cellular immunology and excellent written and oral communication skills are required. Candidates must have a Ph.D. and/or M.D.

Send curriculum vitae and names of three references to:

Abdul S. Rao, M.D., D.Phil.
Thomas E. Starzl
Transplantation Institute
University of Pittsburgh
E1545 Biomedical Science Tower
200 Lothrop Street
Pittsburgh, PA 15261
FAX: (412) 624-6596
E-mail: RAOA@ALISD.UPMC.EDU

EH & S Specialists II/III
Starting Salary Between $44,300-$60,900/year

The University of California, Irvine, is seeking two EH & S Specialists to develop and implement comprehensive laboratory safety policies and procedures. One position will serve the College of Medicine (Job #CU9220) and the other the School of Biological Sciences (Job # CU1196).

Responsibilities include assisting laboratory personnel with implementing safe operating and hazardous waste minimization procedures, training lab workers, inspecting laboratories, and assisting faculty and staff in implementing school-wide laboratory safety policies and procedures. Requires strong work experience applying the principles of occupational health, safety and environmental protection in an academic laboratory environment, as well as experience with developing and implementing policies and procedures, training/information recording, and recordkeeping programs. Effective written and oral communication skills are needed. Advanced degree in a scientific discipline is desirable.

Please submit a scannable resume and applicant data form by 1/5/97 referencing the appropriate Job # Call (714) 824-4117 for resume preparation tips. Mail to UCI Campus Human Resources, Irvine, CA 92697-4600. UCI is an equal opportunity employer committed to excellence through diversity.

POST-DOCTORAL/JUNIOR FACULTY POSITION
DEVELOPMENTAL AND ENVIRONMENTAL TOXICOLOGY

A post-doctoral position is available to study toxicological responses to various xenobiotics that may affect embryonic development, organogenesis, and functional maturation in the mouse. Please submit a curriculum vitae, a statement of research interests, and the names of three references to:

Dr. James R. Magos
Department of Chemistry
University of Connecticut
Storrs, CT 06269

A post-doctoral position is available in the Department of Zoology, Northeastern University, to study the effects of environmental pollutants on the reproductive biology of birds and mammals. Please submit a curriculum vitae, a statement of research interests, and the names of three references to:

Dr. John H. Moseley
Department of Zoology
Northeastern University
3600 University Drive
Boston, MA 02115

A post-doctoral position is available in the Department of Chemistry, University of California, Irvine, to study the effects of environmental pollutants on the reproductive biology of birds and mammals. Please submit a curriculum vitae, a statement of research interests, and the names of three references to:

Dr. John H. Moseley
Department of Chemistry
University of California, Irvine
Irvine, CA 92697-2025
FUNCTIONAL GENOMICS RESEARCH POSTDOCTORAL POSITIONS

Seeking postdoctoral researchers to participate in a new interdisciplinary research effort at the Oak Ridge National Laboratory (ORNL) to work in the area of functional genomics. This new effort is devoted to the development of new and innovative approaches for studying gene function on a genome-wide scale. Current research focus areas involve:

- High-efficiency and cost-effective ethylnitrosourea mouse germline mutagenesis strategies (Monica Justice, justicem@bioax1.bio.ornl.gov)
- New approaches in bioinformatics for development of functional information through analysis of complex biological and genome databases (Ed Uberbacher, ube@ornl.gov)
- Establishment of a mouse phenotype screening center (Dabney Johnson, johnsondk@ornl.gov)
- Advanced multispectral bioscreening development (Tuan Vo-Dinh, tvo@ornl.gov)
- Advanced applications for gene discovery and biochemical assays for “Lab-on-a-Chip” technologies (Mike Ramsey, ramseyjm@ornl.gov)
- High throughput automation and robotics for genome analysis (Richard Mural, muralrj@ornl.gov)
- Mass spectrometry for analysis of DNA (Michelle Buchanan, vbu@ornl.gov)
- Genosensor chip technology for studying genome structure and function (Ken Beattie, beattiek@ornl.gov)

All interested candidates should apply, although there is an immediate need for individuals to work on: (1) Developing and growing DNA-doped organic crystals for MALDI. Experience needed in solution- or gas-phase growth of organic crystals and familiarity with modern analytical instrumentation (Buchanan); (2) Advanced applications for gene discovery and biochemical assays for “Lab-on-a-Chip” technologies. Technology development orientation needed with training in physical sciences and background in nucleic acids (Ramsey); (3) Development of computational tools for assessing structure and function of genomic regions and for managing and visualizing interlinked genome function data. Training in computer science needed with a significant background in computational biology and genomics (Uberbacher); (4) Genetic manipulation of the mouse genome. Experience needed in molecular genetics (Justice).

Interested candidates should send their CV, along with three letters of recommendation, to: Rick Woychik, Director, Office of Functional Genomics, Oak Ridge National Laboratory, Dept. SCI-1108, P.O. Box 2008, Oak Ridge, TN 37831-6272. For more information, see our website at: http://avalon.epm.ornl.gov/FunGen/

ORNL, a multipurpose research facility managed by Lockheed Martin Energy Research Corp. for the U.S. Department of Energy, is an equal opportunity employer committed to building and maintaining a diverse work force.
Cornell University Medical College  
New York City  
The Department of Cell Biology and Anatomy at Cornell University Medical College invites applications for a tenure-track position at the Assistant Professor level. Competitive start-up packages will be available. Exceptional candidates will be considered for appointment at a higher rank. Candidates whose research relates to cell biology, developmental biology, or cell cycle regulation are of particular interest.

The successful candidate will be joining an expanding group of interactive faculty with broad research interests in cell, developmental, and molecular biology. Faculty are expected to establish a strong, well-funded research program and to contribute to graduate and medical education. The research environment at the tri-institutional complex of Sloan-Kettering Institute, Rockefeller University, and Cornell University Medical College is among the most exciting in the nation. The medical complex is situated in the upper east side of Manhattan, near the many cultural activities of New York City.

Interested candidates should submit a curriculum vitae, three letters of reference, and a description of current and future research interests by December 31, 1996 to:

Takashi Mikawa, PhD  
Chair, Search Committee  
Department of Cell Biology and Anatomy  
Cornell University Medical College  
1300 York Avenue  
New York, NY 10021  
Cornell University Medical College is an EEO/AA/IRCA employer.

Indiana University  
FACULTY POSITIONS  
INDIANA UNIVERSITY CANCER CENTER  
Applications are being accepted for tenure-track faculty positions at the rank of Assistant or Associate Professor for researchers interested in experimental and molecular therapeutics of cancer. Research areas of interest may include anti-cancer drug resistance, cell cycle control, apoptosis pathways, signal transduction, anti-cancer drug discovery, and other areas applicable to translational research programs. Applicants must possess a Ph.D. or M.D. degree, and have a proven track record in obtaining peer-reviewed extramural funding. Successful candidates will have academic appointments in a basic science department of the Medical School, and some teaching of medical students and graduate students is expected. Generous start up packages and state-of-the-art research laboratory space will be provided in the new 80,000 sq. ft. Indiana University Cancer Research Institute (opening Spring, 1997). This facility is the focus of a highly interactive group of basic scientists and clinicians involved in the I.U. Cancer Center. Applicants should submit a C.V. and a description of current and future research programs, and should arrange for three letters of recommendation to be forwarded to the address below.

Leonard C. Erickson, Ph.D., Associate Director, Basic Research, Indiana University Cancer Center, 535 Barnhill Drive, Indianapolis, IN 46202  
Indiana University is an Affirmative Action/Equal Opportunity Employer. Women and Minorities are encouraged to apply.

DANA-FARBER CANCER INSTITUTE  
POSTDOCTORAL TRAINING OPPORTUNITIES  
in AIDS RESEARCH  
The Dana-Farber Cancer Institute seeks to fill postdoctoral training positions in AIDS-related research. Background and/or experience in this area is preferred but not essential. Candidates must commit to a minimum two-year training period. Training opportunities are available in the areas of immunology, retrovirology, and cell biology/pharmacology. A joint appointment will be held in an appropriate department of the Harvard Medical School.

Please forward a CV to:  
AIDS Postdoctoral Training Program  
Dana-Farber Cancer Institute  
44 Binney Street, LHRB 210  
Boston MA 02115  
The Dana-Farber Cancer Institute is an Equal Opportunity Employer

UNIVERSITY OF MINNESOTA CANCER CENTER AND THE COLLEGE OF PHARMACY  
Assistant Professor  
Chemoprevention Research  
The University of Minnesota Cancer Center and the College of Pharmacy announce a new Assistant Professor fixed term, renewable position in chemoprevention research. The successful applicant will have a doctoral degree and a strong background in bio-organic, organic, or medicinal chemistry and minimum three years postdoctoral experience in the field of chemical carcinogenesis. Direct experience in research on mechanistic approaches toward cancer chemoprevention is highly desirable. The applicant will demonstrate the potential to develop independently funded research program focusing on approaches to the chemoprevention of cancer. This research program will involve the development of agents, either naturally occurring or synthetic, which can inhibit the carcinogenic process by focusing on compounds that either interfere with carcinogen activation or enhance detoxification or that suppress tumor development or work by other mechanisms. Additionally, the research program will explore mechanisms by which chemopreventive agents act and will use this information to improve the agents and to aid in selecting specific populations in which they are effective. The applicant will also demonstrate a strong commitment toward teaching and graduate student development. It is expected that within 3 years the successful candidate will generate a portion of his/her salary. Individuals interested in this position should submit a curriculum vitae, a summary of long term research goals, and the names and addresses of three references to Dr. Stephen Hecht, Chair, Search Committee, University of Minnesota Cancer Center, Box 35500, 420 Delaware Street SE, Minneapolis, MN 55455-0392, ATTN: Cindy Prange. The last date for receipt of applications is January 15, 1997. The University of Minnesota is an equal opportunity educator and employer.

Director of Surgical Research  
The Department of Surgery Education, Iowa Methodist Medical Center, has an established research program and a good publication record. The Department seeks a basic biomedical scientist (physiologist, immunologist, geneticist, or anatominist) who can stimulate new research and expand existing research in its surgery residency program based in a large community medical center. The Director of Surgical Research will be expected to develop an independent, externally funded research program, assist residents and staff in the development and conduct of basic and clinical research projects, and provide formal and informal instruction in surgical basic sciences. A Ph.D., M.D., or equivalent is required, and a minimum of two years postdoctoral experience is preferred. Candidate will be required to use Microsoft Office. Submit curriculum vitae and three references to: Sara Phillips, Human Resources, Iowa Methodist Medical Center, 1313 High Street, Suite 111, Des Moines, IA 50309  
EOE/AA/M/F/DD/V
Tenure-Track Positions
Assistant Professor Equivalent

X-ray Crystallography
The National Institute of Environmental Health Sciences invites applications for a tenured senior level or a tenure-track junior level position in x-ray crystallography. We plan to develop a strong group to study the structure and function of proteins involved in nucleic acid transactions and/or signal transduction pathways. Excellent space and research support available. For additional information, contact Dr. Jan Drake at 919-541-3361 or Dr. Thomas Kunkel at 919-541-2644. Applications must be received by December 2, 1996. Laboratory of Structural Biology (OE-120), NIEHS, Ms. Dana Trupe HRMB (HNV96-15), P.O. Box 12233, Mail Drop 1-01, Research Triangle Park, NC 27709.

Cancer Epidemiologist
The Environmental Epidemiology Branch seeks an MD or PhD investigator to develop a research program focused on co-factors involved in the etiology and prevention of virus-related gynecologic tumors. Requirements include a strong understanding of epidemiological methods and molecular biological processes, experience in the conduct of large epidemiological studies, and knowledge and experience in the study of female gynecologic and virus-related tumors. Submit applications by January 15, 1997 to Ms. Judy Schwadron, Program Analyst, Division of Cancer Epidemiology and Genetics (OE-120), NCI, EPN Room 539, Bethesda, MD 20892.

Neurophysiological Studies
The National Institutes of Mental Health is seeking an independent tenure-track researcher to conduct cellular level neurophysiological studies of cortical and/or basal ganglia function. The candidate will pursue studies of neurotransmitter receptor-mediated adaptive processes related to the function of these brain areas, complementing ongoing LNP studies which include molecular and neuroanatomical studies of the functional organization of the basal ganglia and frontal cortex and primate behavioral neurophysiology studies of the cooperative interaction between frontal cortical areas in the selection and control of behavior. Applications should be received by December 31, 1996. Laboratory of Neurophysiology (OE-120), NIMH, Ron McKay, Building 36, Room 5A29, 36 CONVENT DR MSC 4157, BETHESDA MD 20892-4157.

To Apply
Please send a cover letter, curriculum vitae, bibliography, a one- to two-page statement of research interests and goals, and selected publications to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three references who can provide an evaluation of your professional qualifications.

New WWW Site
Visit the new NIH Office of Education web site listing tenure-track positions, postdoctoral positions, and much more. Converse by e-mail with NIH investigators and apply electronically. Find us at http://helix.nih.gov/8001/oe

National Institutes Of Health
Office Of Education
http://helix.nih.gov/8001/oe
The NIH is an Equal Opportunity Employer

Molecular and Cellular Cardiology
The Mount Sinai Medical Center is a world-renowned leader in patient care, research and medical education. The Cardiovascular Institute of the Mount Sinai School of Medicine – directed by Valentin Fuster, M.D., Ph.D. – announces a National Institutes of Health-Funded Training Program in Molecular and Cellular Cardiology.

Positions will become available in July 1997, and will entail two years of basic research in the following areas:

Vascular Biology and Thrombosis
Juan J. Badimon, Ph.D.
Barry S. Collier, M.D
John T Fallon, M.D., Ph.D.
Veltin Fuster, M.D., Ph.D.
Yale Nemerson, M.D.
Mark B. Taubman, M.D.

Lipoproteins
Jan J. Breslow, M.D. (Rockefeller University)
Ed Fisher, M.D.
Peter C. Harpel, M.D.

Ion Channels and Signaling
Dennis P. Healy, Ph.D.
Ravi Iyengar, Ph.D.
Diomedes Logothetis, Ph.D.
Andrew R. Marks, M.D.

Cardiac Muscle and Development
Robert Desnick, M.D., Ph.D.
Manfred Frasch, Ph.D.
Bruce D. Gelb, M.D.
D. Stave Kohtz, Ph.D.
Francesco Ramirez, Ph.D.

The ideal candidates will be MDs who have completed a clinical cardiology fellowship as well as those who have completed an internal medicine residency and wish to combine basic cardiovascular research with clinical cardiology training. U.S. citizenship or permanent resident status is mandatory.

Please forward curriculum vitae to: Mark B. Taubman, M.D., Director, Training Program in Molecular and Cellular Cardiology, Box 1269, The Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029-6574. e-mail: m_taubman@smtplink.mssm.edu. An equal opportunity employer.
Postdoctoral Fellow  
MOLECULAR ENDOCRINOLOGY  
The Mount Sinai School of Medicine has an immediate availability on an NIH-funded training grant for an individual to join a group who will study the roles of both known and novel transcription factors in developmental and homeostatic regulation of prolactin gene expression. 
The qualified candidate will possess a strong background in biochemistry. Molecular biology and/or genetics experience would be considered an asset. In accordance with NIH stipulations, eligible candidates must be U.S. citizens or permanent residents. 

Please send curriculum vitae and names and telephone numbers of three references to: Dr. Carter Bancroft, Department of Physiology and Biophysics, Box 1218, Mount Sinai School of Medicine, Box 1218, One Gustave L. Levy Place, New York, NY 10029-6574. An Equal Opportunity Employer.

\[ \text{Mount Sinai} \]

STAFF SCIENTIST  
The Health Effects Institute (HEI) has an immediate opening for a Staff Scientist to work with the Institute's Health Review Committee and staff to implement their peer-review processes. The Staff Scientist will: serve as a liaison among investigators, the HEI Review Committee, and editors during the review of investigators' reports; develop commentaries that put the research findings into scientific and public policy contexts; and write critical reviews.

HEI is a nonprofit organization that serves as an independent and impartial source of information on the health effects of air pollution from motor vehicles and other sources. It is jointly sponsored by the U.S. Environmental Protection Agency and industry.

Applicants must have a doctoral degree in a scientific discipline, postdoctoral experience, and an interest in science management and science communication. The successful candidate must also have excellent writing skills and an ability to communicate technical information to the scientific community and the general public. Experience in chemical or molecular toxicology, biochemistry, or epidemiology is particularly desirable.

Please respond by sending a curriculum vitae and a recent writing sample to: Dr. Kathleen M. Nauss, Director for Scientific Review and Evaluation, Health Effects Institute, 955 Massachusetts Avenue, Cambridge, MA 02139. An Affirmative Action/Equal Opportunity Employer.

\[ \text{The Mount Sinai Medical Center} \]

Howard Hughes Medical Institute  
Research Technician  
The Howard Hughes Medical Institute, the nation's largest private, academic, not-for-profit organization, conducts scientific research in leading academic medical centers throughout the United States. Currently, we are seeking a Research Technician for our site at MIT/Whitehead Institute.

Responsibilities involve working with a dynamic group on studies of HIV viral membrane fusion proteins and their structure/function. Duties include setting up and maintaining vaccine, baculovirus, and CHO protein expression systems of viral envelopes and other membrane-fusion proteins. In addition, participating in HIV research, and experiments involving construction of recombinant DNA clones, tissue culture, and handling live HIV virus will be required. Requirements include previous experience working in an HIV research containment laboratory and the ability to work independently. A BS and five years or MS and three years of relevant experience is preferred.

HHMI offers competitive salaries and an excellent benefits package. Please send your resume and the names of three references to HHMI/MIT, Attn: J. O’Connor, Job 525A, 77 Massachusetts Avenue, 68-171, Cambridge, MA 02139, EOE.

http://www.hhmi.org

\[ \text{Mount Sinai} \]

Faculty Position  
INSTITUTE FOR GENE THERAPY AND MOLECULAR MEDICINE  

The Mount Sinai School of Medicine has a tenure-track position available in our newly-established Institute for Gene Therapy and Molecular Medicine for investigators in the area of molecular biology and genetics of lentiviruses. Research programs which will eventually lead to the development of vectors for gene transfer into non-dividing cells are particularly welcome. Competitive start-up packages including designated research space in a new, state-of-the-art building are available.

Interested candidates should send a current curriculum vitae, bibliography, a short description of past research accomplishments and future research plans and three letters of references to: Dr. George F. Atweh, Chair of Search Committee, Mount Sinai School of Medicine, Box 1498, One Gustave L. Levy Place, New York, NY 10029-6574. An Equal Opportunity Employer.

\[ \text{The Mount Sinai Medical Center} \]
Molecular biology of DNA repair and mutagenesis in mammalian cells. Position requires a Ph.D. degree in biochemistry or molecular biology and no more than five years of postdoctoral research experience.

DNA polymerase structure/function. We are interested in the detailed kinetics of wild-type and mutant forms of DNA polymerases to determine the fundamental principles underlying fidelity and polymerase-nucleic acid interactions. Our approach is through a combination of mutagenesis, kinetic analysis and structure determination. Candidates should have a Ph.D. in biochemistry or biophysical chemistry with no more than five years of postdoctoral research experience in one or more of the following areas: nucleic acid enzymology, rapid-kinetic techniques, kinetic modelling, fluorescence spectroscopy.

Send curriculum vitae, three letters of reference, and official copy of doctoral degree to:

Dr. Samuel H. Wilson, NIEHS
Laboratory of Structural Biology
P.O. Box 12233 (MD F3-01)
Research Triangle Park, NC 27709
Email: wilson5@niehs.nih.gov.

Myriad Genetics is an innovative genomics company focused on the isolation of significant disease-causing genes. Our scientific achievements include elucidating the role of the p16 tumor suppressor gene in cancer and identifying the breast and ovarian cancer susceptibility gene BRCA1. We currently have major programs in asthma, cancer, central nervous system disorders, coronary heart disease, diabetes, obesity, and osteoporosis. Expansion of our gene identification and gene characterization efforts provides a number of exciting opportunities for highly motivated individuals. These include:

Scientist
You will lead a group of investigators who are developing and implementing automated, high-throughput assays to understand gene function. The successful candidate will possess a Ph.D. or equivalent in molecular biology and 2-5 years' relevant experience. A strong background in genetics of model organisms such as yeast, C. elegans or Drosophila is desired, experience with two-hybrid assays a plus. Excellent oral and written communication skills are also essential.

Scientist
You will join a group that is using cell culture-based assays to understand the function of genes involved in breast cancer. The successful candidate will possess a Ph.D. or equivalent in cellular or molecular biology and 3-5 years' relevant experience. A strong background in cell-based assays is a must, experience in carcinogenesis is also desired.

Research Associates
You will be part of a team that is developing and implementing high-throughput assays to understand gene function, or part of a multi-disciplinary team dedicated to mapping and cloning genes involved in human diseases. Requires an MS or BS degree and a minimum of two years' experience in molecular biology. Familiarity with construction and screening of cDNA libraries, PCR and other molecular biology techniques is essential.

Research Associates
You will investigate the function of important disease genes. An MS or BS degree and a minimum of two years' experience in cellular or molecular biology is required. Expertise in cell culture, flow cytometry, and immunological assays is desirable.

We offer an attractive compensation package and a stimulating, interactive research environment. Please mail or fax your letter of interest, including a complete resume and the names of three professional references, to: Barbara Berry, Human Resources Department, Myriad Genetics, Inc., 320 Wakara Way, Salt Lake City, UT 84108. Fax: 801-584-3640. We are an equal opportunity employer.
ASSISTANT PROFESSOR: MICROBIOLOGY

The Department of Biochemistry/Microbiology of Oklahoma State University College of Osteopathic Medicine (OSU-COM) invites applications for a full-time, 12-month term faculty position in an expanding division of Basic Sciences. Candidates should have expertise in one or more areas of molecular microbiology such as mechanisms of pathogenesis or genetics. Research faculty should have a competitive salary, and environment for professional development will be provided. Must have commitment to establishing a successful research program and will be expected to participate in team teaching. Applicants will be evaluated on their potential to develop a graduate course in area of expertise, and participate in training of graduate students. Doctoral degree and postdoctoral experience in molecular microbiology will be required. Applications will be reviewed beginning December 15, 1996, open until filled. Candidates should send a letter of application, statement of research interest, curriculum vitae, and the names and addresses of three references to: Dr. Robert S. Conrad, Chair, Department of Biochemistry/Microbiology, OSU-COM, 1111 West 17th Street, Tulsa, OK 74107-1898. OSU-COM is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS

Structural Biology and/or Bioorganic/Medical Chemistry

Applications are invited for two tenure-track faculty positions at the level of ASSISTANT PROFESSOR, effective immediately. These positions are in an active, diverse and collaborative research area with a strong commitment to the teaching of medical students, and involve the expansion of graduate and undergraduate programs. Candidates with a strong commitment to high quality research and teaching, with successful records of publication and grant support, are encouraged to apply. The Department of Biochemistry/Microbiology offers an attractive salary and benefits package. The University of Massachusetts Medical Center, 55 Lake Avenue North, Worcester, MA 01655-0126. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer and encourages applications from female and minority candidates.

FACULTY POSITION

Department of Anatomy and Cell Biology
East Carolina University School of Medicine

Tenure-track faculty position available at the ASSISTANT PROFESSOR level. Candidates must have Ph.D. with a strong background in molecular/cell biology, genetics, and/or biophysics, with demonstrated productivity, and evidence of research productivity, and qualities of a successful investigator. Appointment at an associate professor level is expected. The department possesses faculty and facilities to support both the broad domain of brain and behavioral plasticity. Exceptionally strong candidates in the broad range of interests in this area, including basic research and teaching in the area of brain and behavioral plasticity, are encouraged to apply. Candidates should have a Ph.D. in a related field with a proven track record of research productivity and success in obtaining extramural funding. The department offers an attractive salary and benefits package. The University of Massachusetts Medical School, 55 Lake Avenue North, Worcester, MA 01655-0126. The University of Massachusetts Medical School is an Affirmative Action/Equal Opportunity Employer.

FACULTY SEARCH

Department of Molecular Genetics and Cell Biology

The Department of Molecular Genetics and Cell Biology at the University of Chicago invites applications for tenure-track positions in the areas of molecular genetics, developmental biology, and cell biology. Candidates with outstanding records of achievement in research and teaching should apply. These positions are open to individuals with a Ph.D. and postdoctoral experience in molecular genetics, cell biology, or related fields. The successful candidate will have a strong commitment to high quality research and teaching. The Department of Molecular Genetics and Cell Biology offers a stimulating environment for research and teaching. Applications are encouraged from women and minority candidates. All applications will be reviewed beginning December 15, 1996, open until filled. Candidates should send a letter of application, curriculum vitae, statement of research interests, and three letters of reference to: Dr. Robert J. C. F. Rose, Department of Molecular Genetics and Cell Biology, 920 East 58th Street, Chicago, IL 60637-1474. The University of Chicago is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

University of Michigan-Flint

Biochemist with interest in toxicology: anticipated TENURE-TRACK position, fall 1997. Ph.D. required. Teaching responsibilities include courses in biochemistry and toxicology and selected lower-division courses. Undergraduate program is expanded curricular and curricular vitae, brief statement of research interest (three pages or fewer), transcripts, and three letters of reference. All applications will be reviewed beginning December 15, 1996, open until filled. Candidates should send a letter of application, curriculum vitae, brief statement of research interest (three pages or fewer), transcripts, and three letters of reference to: Dr. J. R. Ames, Department of Chemistry, UM-Flint, Flint, MI 48502-2186. Email: jimames@umich.edu. University of Michigan-Flint is a non-discriminatory/affirmative action/equal access employer.
SENIOREVOLUTIONARYECOLOGIST

The Biology Department at Emory University invites nominations for a senior tenured position in Evolutionary Ecology. Nominees should have a distinguished track record in research and teaching. The appointee will participate in the recently established interdepartmental program in Population Biology, Ecology and Evolution of the Graduation Division of Biological and Biomedical Sciences and will be active in the development of the ecological component of the program. The appointee will have teaching responsibilities at the undergraduate level. Nominations (including self-nominations) should be sent to Dr. John C. Lucchesi, Department of Biology, Emory University, 1510 Clifton Road, Atlanta, GA 30322; Tel.: (404) 727-4234; Fax: (404) 727-2880; E-mail: ecology_arch@biology.emory.edu. Review of completed applications will begin January 2, 1997. Information on the Biology Department and Emory’s graduate programs can be obtained from the following Web sites:

http://www.emory.edu/BIOLOGY/index.htm
http://www.service.emory.edu/BIOMED/GDBBSHomePage.html
http://www.cc.emory.edu/PBEE/Pbee.html

ZEBRAPHISDEVELOPMENTALBIOLGISTS

The Department of Biology at Emory University is seeking applicants who use the zebrafish as a model for the study of vertebrate development. Two tenure-track appointments will be made at the assistant professor level, although an appointment at a higher rank will be considered in exceptional circumstances. Resources are committed to establish a state-of-the-art rearing facility and to provide competitive start up funds. The successful candidates must establish strong research programs and will teach undergraduates in the Biology Department and graduate students in appropriate programs of the interdepartmental Graduate Division of Biological and Biomedical Sciences. Applicants should submit a curriculum vitae, a statement detailing their current research and future plans, and should arrange for three letters of recommendation to be sent to Dr. Steven L’Hernault, Zebrafish Search, Department of Biology, Emory University, 1510 Clifton Road, Atlanta, GA 30322; Tel.: (404) 727-4234; Fax: (404) 727-2880; E-mail: zebra_arch@biology.emory.edu. Review of completed applications will begin January 2, 1997. Information on the Biology Department and Emory’s graduate programs can be obtained from the following Web sites: http://www.emory.edu/BIOLOGY/index.htm, http://www.service.emory.edu/BIOMED/GDBBSHomePage.html.
CLINICAL RESEARCH NEUROLOGIST NEURODEGENERATIVE DISEASE

The University of Connecticut School of Medicine

A key focus of the School of Medicine's strategic plan calls for the creation of a neurodegenerative disease initiative utilizing fast magnetic resonance imaging as a research tool. Having already expanded relevant basic research, we are now ready to add an investigator-oriented clinical research component. To support this program, a new MRI scanner with echo-planar capability that permits functional imaging has been acquired, and we have dedicated a considerable portion of additional start-up monies have been made available, and new positions have been created in neurology, psychiatry, and imaging science. In addition to making individual contributions, these three research areas will work collaboratively to study the mechanism of neurodegenerative disease through the application of contemporary imaging science.

The TENURE-TRACK position in neuroscience requires an individual to use innovative techniques in the study of neurodegenerative disease. Examples include a clinical scientist with experience in behavioral neuroscience, neuroimmunology, or multiple sclerosis; Alzheimer's; or other dementia illnesses, or motor disorders such as Parkinson's disease.

Applicants must be Board-eligible/certified in neurology with fellowship training and research experience. Please submit resumes to:

Leslie Wolfsön, M.D.
Professor and Chair, Department of Neurology
The University of Connecticut School of Medicine
Hartford, CT 06030-1845

(302) 816-7673
Fax: (302) 816-7674

FACULTY POSITION OPEN

ASSISTANT/ASSOCIATE PROFESSOR BIOMECHANICS

The Department of Biomechanics at Vanderbilt University is seeking to expand its faculty in the area of biomedical optical science. This position will be a regular full-time tenure-track or tenured faculty appointment at the ASSISTANT/ASSOCIATE PROFESSOR level. Duties will include research, graduate and undergraduate teaching, and leadership in the development of biomedical optics at Vanderbilt. The successful candidate will be recruited with previous and ongoing extramural funding, and will develop a research program in biomedical optics. Consideration of applicants will begin upon receipt of applications and will continue until the position is filled.

The University of Memphis
Faculty Position in Biochemistry

The Department of Microbiology and Molecular Cell Sciences invites applications for a tenure-track position in biochemistry. The appointment will be made at the rank of ASSISTANT PROFESSOR. Successful candidates will have a Ph.D. degree and postdoctoral training. The successful candidate will be expected to develop a strong graduate research program and to provide quality teaching to undergraduates. Applications are invited for 12-month appointments beginning December 1, 1996, and will continue until the position is filled. A curriculum vitae, a statement of research plans, and copies of recent publications should be sent to: Dr. S. Edward Stevens, Jr., Chair, Department of Microbiology and Molecular Cell Sciences, Campus Box 526041, The University of Memphis, 201 Life Sciences Building, Memphis, TN 38152-0414.

The University of Memphis is an Equal Opportunity/Affirmative
Action University.

ASSISTANT PROFESSOR PHARMACOLOGY

Wilkes University School of Pharmacy is seeking to fill two nine-month, TENURE-TRACK positions at the Assistant Professor level. Minimum requirement is a Ph.D. in a pharmaceutical-related field. Preference will be given to candidates who possess specialization in endocrine pharmacology (other specialties should also apply), an undergraduate degree in pharmacy from an ACPE-accredited program, and who have taught at an ACPE-accredited School of Pharmacy.

Applications should contain a letter outlining professional goals, curriculum vitae, and a list of references to: Dr. Arthur H. Kibbe, Chair, Department of Pharmaceutical Sciences, Wilkes University, School of Pharmacy, Wilkes-Barre, PA 18766.

The search will continue until the positions are filled.

Developmental Biologist Assistant Professor

The Department of Cellular Biology at the University of Georgia announces an opening for a TENURE-TRACK position at either the Assistant or Associate Professor level. The successful candidate will be expected to have postdoctoral research experience and the capacity to generate a strong, independent, creative research program in animal development and/or developmental biology. Evidence of scholarly activities and community/professional involvement is required, as well as a commitment to college teaching of introductory and upper-level general biology courses. The successful candidate will be expected to have postdoctoral research experience and the capacity to generate a strong, independent, creative research program in animal development and/or developmental biology.

Applications will be accepted until November 29, 1996, or until positions are filled. Send letter of application, curriculum vitae, the names and telephone numbers of three references, and a statement of educational philosophy to: Dean of the College, Augustana College, Box 763, Sioux Falls, SD 57197. Equal Opportunity/Affirmative Action Employer.

ECOLOGY/EVOLUTIONARY BIOLOGY Assistant Professor

The Department of Biological Sciences, State University of New York at Buffalo, invites applications for a TENURE-TRACK position at the level of Assistant Professor starting in September 1997. We seek an individual working in the area of Molecular Ecology whose research addresses ecological and evolutionary questions using molecular biological and phylogenetic techniques. The successful candidate will be expected to develop an actively funded research program and to contribute to undergraduate and graduate courses at the level of the B.S. and M.S. and to the teaching of basic genetics and molecular biology.

Applications, including a curriculum vitae, statement of research and teaching interests, and list of publications, should be submitted to: Dr. Howard R. Lasker, Molecular Ecology Search Committee, Department of Biological Sciences, University at Buffalo, Buffalo, NY 14260-1300. Application review will begin December 15, 1996. Information about the Department and the University can be viewed at: http://www.buffalo.edu/academic/dept/fssm/bio-sci/index.html.

The University of Georgia is an Equal Opportunity/Affirmative
Action Employer, and encourages applications from minorities, women, and disabled persons. No applicant shall be discriminated against on the basis of age, creed, color, disability, nature of religion, sex, national origin, or veteran status.

The University of Georgia is an equal opportunity/affirmative action employer.

BEHAVIORAL ECOLOGIST

Ph.D. required and postdoctoral experience preferred for a TENURE-TRACK position beginning fall 1997, at the University of Tennessee, Knoxville. The successful candidate will be expected to have postdoctoral research experience and the capacity to generate a strong, independent, creative research program in animal development and/or developmental biology. Evidence of scholarly activities and community/professional involvement is required, as well as a commitment to college teaching of introductory and upper-level general biology courses. The successful candidate will be expected to have postdoctoral research experience and the capacity to generate a strong, independent, creative research program in animal development and/or developmental biology.

The successful candidate will be expected to have postdoctoral research experience and the capacity to generate a strong, independent, creative research program in animal development and/or developmental biology. Evidence of scholarly activities and community/professional involvement is required, as well as a commitment to college teaching of introductory and upper-level general biology courses. The successful candidate will be expected to have postdoctoral research experience and the capacity to generate a strong, independent, creative research program in animal development and/or developmental biology.

Applications will be accepted until November 29, 1996, or until positions are filled. Send letter of application, curriculum vitae, the names and telephone numbers of three references, and a statement of educational philosophy to: Dean of the College, Augustana College, Box 763, Sioux Falls, SD 57197. Equal Opportunity/Affirmative Action Employer.
POSTDOCTORAL FELLOWSHIPS at the WOODS HOLE OCEANOGRAPHIC INSTITUTION

Applied Ocean Physics & Engineering
Biology, Marine Chemistry & Geochemistry
Marine Geology & Geophysics
Physical Oceanography

Applications are invited from new or recent doctorates in the fields of biology, molecular biology, microbiology, chemistry, engineering, geology, geophysics, mathematics, meteorology and physics, as well as oceanography. Recipients of awards are selected on a competitive basis, with primary emphasis placed on research promise. Fellowships are awarded for 18 month appointments with a stipend of $37,000 per year, a modest research budget and eligibility for group health insurance. Recipients are encouraged to pursue their own research interest in association with resident staff. Completed applications must be received by January 17, 1997 for the 1997-98 awards. Awards will be announced in March. Write for application forms to: Dean of Graduate Studies, MS #31 Woods Hole Oceanographic Institution Woods Hole, MA 02543-1541 Or call (508) 289-2219 or e-mail lcampbell@whoi.edu

WOODS HOLE OCEANOGRAPHIC INSTITUTION
An equal opportunity affirmative action employer.

OFFICE OF
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Doctoral Stipends
Information

January 17, 1997

Research Scientist
Genetic Toxicology

Wyeth-Ayerst Research, a major division of Fortune 150 American Home Products Corporation, has an opportunity available for a Research Scientist in the Experimental Pathology Department at their Drug Safety Research facility in Chazy, New York.

Responsibilities include supervising genetic toxicology lab operations, as well as providing training, and assisting with development, validation and implementation of genetic toxicology test battery. This key position will require you to function as Study Director/Principal Investigator on GLP/non-GLP genetic toxicology studies, as well as to function as Study Monitor for external genetic toxicology studies. Additional responsibilities include researching and developing appropriate in vivo and in vitro procedures to expand genetic toxicology test battery and address mechanistic questions that arise during drug development. You will interact closely with Study Directors in Toxicology and Senior Drug Safety Management regarding scientific, regulatory and technical issues.

Requirements include a Ph.D. in Genetic Toxicology, Toxicology or related science, with a minimum of 3 years relevant experience with genetic toxicology testing in a GLP environment. Previous training and experience in cytogenetics are also required.

We are located in the scenic Adirondack Mountains/Lake Champlain region of New York state, just a short distance from Burlington, Vermont; Montreal, Quebec; and the Lake Placid/Olympic region.

Wyeth-Ayerst offers an excellent compensation and benefits package in a highly professional environment. Please send your resume with salary requirements to: Wyeth-Ayerst Research, Human Resources Dept., Position #OPSCI-2027, P.O. Box 7886, Philadelphia, PA 19101-7886, or fax your resume (in fine mode if possible) directly into our centralized Research resume database at (610) 989-4854. e-mail jobs@RAMAIL1.wyeth.com (ASCII format, no attachments, subject: resume). Principals Only. Equal Opportunity Employer, M/F/D/V.

Deadline January 15, 1997

U.S. DEPARTMENT OF ENERGY
OFFICE OF HEALTH AND ENVIRONMENTAL RESEARCH

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St. Jude Children's Research Hospital
ALSAC • Danny Thomas, Founder

Postdoctoral Positions

St. Jude Children's Research Hospital, a renowned center for biomedical research and treatment of pediatric cancers, has immediate openings for Postdoctoral Research Fellows to study a family of protein kinases involved in spliceosome structure, apoptotic signaling, and checkpoint control. At least 16 different protein kinase isoforms in this family are generated by alternative splicing from three distinct, but tandemly linked, genes. Several isoforms are targets of a CPP32-like protease during TNF and Fas induced programmed cell death (Lahti et al, Mol Cell Biol 15:1-11, 1995; Beyaert et al., EMBO J). This proteolytic processing is blocked by bel-2, crmA, and peptide inhibitors (e.g., AVAD). The mechanism(s) involved in activating/regulating these protein kinase(s) by ICE-like proteases, association with regulatory subunits, and phosphorylation are currently being investigated. Additional isoforms of this protein kinase family are expressed in a cell cycle-dependent manner and respond to DNA damage. The relationship between these protein kinases and checkpoint control is of particular interest. Projects require individuals with prior experience in molecular biology, cell biology, and/or biochemistry purifications. Recent Ph.D., M.D., or M.D./Ph.D. is required.

Please send a C.V. and three letters of recommendation to: Dr. Vincent Kidd, Tumor Cell Biology Department, St. Jude Children's Research Hospital, 332 No. Lauderdale, Memphis, TN 38101. An Equal Opportunity/Affirmative Action Employer.
PLANT SYSTEMATIST

The University of Wisconsin, Department of Botany, seeks a distinguished Plant Systematist to assume a tenured professorship position, preferably at the ASSOCIATE PROFESSOR level. Duties include teaching, research, and directorship of the Wisconsin State Herbarium. The successful candidate will be expected to develop research programs whose training and/or abilities will expand the University's and Department's breadth in biosystematics including, but not limited to, tropical systems, plant-animal interactions, phylogeography, plant evolution, and/or systematics. The successful candidate will be expected to contribute to the development of systematic biology on the campus, provide leadership in the Herbarium, and develop an active research program. The earliest date of appointment is August 25, 1997. Send applications to: Professor Kenneth J. Sytsma, Chair of Search Committee, Botany Department, University of Washington, Madison, WI 53706.

Unofficial confidentiality is requested in writing, information regarding the applicants must be released upon request. Finalists cannot be guaranteed confidentiality. Alternative Action/Equal Opportunity Employer.

FACULTY POSITION

THE UNIVERSITY OF CHICAGO

Department of Physical and Biological Chemistry

The Department of Physical and Biological Chemistry at the University of Chicago seeks applications for a faculty position at the level of ASSISTANT PROFESSOR. Appointment at the level of ASSISTANT PROFESSOR will be subject to successful completion of postdoctoral research. The successful candidate will be expected to teach at both the undergraduate and graduate levels.

The Department of Physical and Biological Chemistry is an active, dynamic department which includes active research programs in physical and biological chemistry, biochemistry, and molecular biology. The Department includes 14 faculty members, 30 graduate students, and 20 postdoctoral associates. The Department is located in a new facility on the University of Chicago campus, and is dedicated to providing a stimulating and diverse research environment.

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

MEDICAL DIRECTOR

Ph.D. or Pharm.D.

Medical Education firm seeks a medical director due to growth and success in providing high quality medical education programs for its major pharmaceutical clients. Responsibilities include management of all educational initiatives and technical aspects of funding, implementation, and evaluation of all educational programs. This position requires an excellent communicator with strong interpersonal and organizational skills. Experience in cardiovascular or pharmacology is preferred. Please send resume to: Applied Clinical Comm., 1160 Parsippany Boulevard, Parsippany, NJ 07054. Fax: 201-316-5997.

PHARMACOLOGY FACULTY POSITION

West Virginia School of Osteopathic Medicine

The Department of Pharmacology invites applications for a TENURE-TRACK position. Appointment to be made at a level commensurate with experience. Ph.D. in pharmacology preferred. Ph.D. in related area may be considered. The successful applicant should have a strong background in pharmacology, neuroscience, and immunology as evidenced by relevant publications. A Ph.D. degree in pharmacology or related field is required. Candidate will be expected to teach courses in pharmacology at both the undergraduate and graduate levels. The candidate will be expected to obtain extramural funding. Salary is competitive. Applicants are requested to submit a curriculum vitae, a statement of research interests, and three letters of reference to: Chairperson, Pharmacology Search Committee, Human Resources Office, WVOSM, 400 North Lee Street, Lewisburg, WV 24901. Applications will be accepted until the position is filled. West Virginia School of Osteopathic Medicine is an Equal Employment Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSORS

University of Texas at Arlington

The Department of Biology invites applications for TENURE-TRACK positions (Assistant Professor) in Developmental Genetics and Comparative Animal Physiology. Applicants must have a Ph.D. postdoctoral experience preferred. Responsibilities include teaching in the major areas of animal biology. Salary will be commensurate with experience. Send curriculum vitae, a statement of research interests, and three letters of recommendation to: Dr. Jerry J. Bennett, Search Committee Chair, Chair of Biology, University of Texas at Arlington, 1100 W. Clifton Ave., Arlington, TX 76019 (972) 245-8663. Deadline for receipt of applications is November 15, 1996. University of Texas at Arlington is an Equal Employment Opportunity/Affirmative Action Employer.

FACULTY POSITIONS

Cardiovascular Pharmacology

Renal Pharmacology

Human Pathophysiology

Drugs

Metallo Enzymes

The Department of Pharmacology at the University of Texas at Arlington invites applications for two full-time, tenure-track Assistant Professor positions in the areas of Cardiovascular Pharmacology, Renal Pharmacology, Human Pathophysiology, and Drug Metabolism. Responsibilities include teaching, mentorship of graduate students, and research. Successful candidates are expected to secure external funding to support their research. The University of Texas at Arlington is an Equal Employment Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

MOLECULAR BIOLOGY OF AGING

The Department of Molecular Biology at the University of Texas at Arlington invites applications for an Assistant Professor position. The Department of Molecular Biology and Biophysics at the University of Texas at Arlington invites applications for a tenure-track Assistant Professor position in Molecular Biology of Aging. Responsibilities include teaching, mentorship of graduate students, and research. Successful candidates are expected to secure external funding to support their research. The University of Texas at Arlington is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW AND RESEARCH ASSISTANT

Pharmacology

The Department of Pharmacology at the University of Texas at Arlington invites applications for a postdoctoral fellowship and research assistant position in Molecular Biology of Aging. Responsibilities include teaching, mentorship of graduate students, and research. Successful candidates are expected to secure external funding to support their research. The University of Texas at Arlington is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW AND RESEARCH ASSISTANT

Dynamic Membrane Expression in Single, Living Cells

Photon capture, video-imaging of cells transfected (by microinjection) with promoter-driven luciferase constructs is used for making multiple measurements of gene expression from the same living cells (Molecular Endocrinology. 10:599–605, 1996). This enables dynamic, “real-time” studies of molecular mechanisms underlying physiologic and pathophyslogic processes. Ongoing projects include: 1) development of new constructs for gene expression in living cells; 2) development of new methods for gene expression analysis in vivo; 3) analysis of the ability to attract external research support. Academic rank commensurate with experience. Applicants should submit a curriculum vitae, copies of recent significant publications and any related reprints. 1) letter of recommendation to: Dr. A. Jon Goldberg, Director, Center for Biomaterials, MC1615, University of Connecticut Health Center, 263 Farmington Avenue, Farmington, CT 06030-1615. (Search Code: 95-241) An Affirmative Action/Equal Opportunity Employer. Minorities/Females/Persons with Disabilities/Veterans are encouraged to apply.
SENior Immunologist

Merck Research Laboratories has an immediate opening for a Senior Immunologist with a strong background in cellular signaling mechanisms and extensive experience in a broad range of molecular and cellular biological techniques. The successful candidate will have a significant publication record, excellent oral and written communication skills, and be committed to the discovery of novel medicines to ameliorate immune and inflammatory diseases. A Ph.D., M.D. or equivalent, and minimum of 2 years post-doctoral experience are required. Experience with computer-based data acquisition and analysis is desirable.

Send cover letter and resume to:
Dr. Michael J. Tocci, P.O. Box 2000,
Dept. of Immunology and Inflammation, Merck Research Laboratories, Rahway, NJ 07065.
e-mail: michael_tocci@merck.com
Fax: (908) 594-1051. EEO/AA/VH/
Employer.

RESEARCH SCIENTISTS

Zeneca Pharmaceuticals, dedicated to the challenge of discovering and developing important new therapeutic agents, has openings for Senior Staff Scientists in the Wilmington, DE research facility to plan and conduct laboratory experiments in molecular and cellular pharmacology, focusing on respiratory, inflammatory and neurological diseases.

Qualified candidates will have a BS/MS degree in Molecular Biology, Cell Biology, Pharmacology or related field, and 5 or more years' laboratory experience. This should include considerable experience in standard recombinant DNA technology (expression cloning, Northern/Southern analysis, PCR, library construction, in situ localization). Cell culture and protein biochemical skills are essential. Solid computer and bioinformatics skills (GCC, ENTREZ, Lasergene) are expected. Experience with development of in vitro screening assays (receptor binding, enzyme assays and ELISA) is helpful. Working knowledge of either respiratory, immunology or CNS pharmacology is desirable, but not essential.

We offer an excellent compensation and flexible benefits program, and opportunities for growth with one of the world's leading pharmaceutical research organizations. For confidential consideration, please send your resume with salary requirements to: Darla Wilson, Human Resources, Code 96-4731, Zeneca Pharmaceuticals, 1800 Concord Pike, P.O. Box 15437, Wilmington, DE 19850-5437. An Equal Opportunity Employer M/F.

Penn State College of Medicine

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Cell and Molecular Biology

Interdisciplinary research is available in eight basic and clinical science departments. Areas of research interest include: Membrane structure, receptors, and modulators; Extracellular matrix and cell function; Organelle assembly, structure, and function; Cell division, differentiation, and gene regulation; Gene mapping; Molecular interface between cells and viruses; Cellular and molecular immunology

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For more detailed information and to apply visit our WWW site at http://www.hmc.psu.edu or contact

Assistant Dean for Graduate Education, Penn State College of Medicine,
Hershey, PA 17033-0850, Telephone: (717) 531-8892
Fax: (717) 531-4582; E-mail: grad-hmc@psu.edu

Penn State College of Medicine

Penn State is an affirmative action, equal opportunity university.
ANNOUNCEMENT
We invite interested individuals to apply.

DEVELOPMENTAL BIOLOGIST
University of Toronto

The Department of Zoology, University of Toronto, invites applications for a TENURE-TRACK position at the Assistant Professor level to begin July 1, 1997. We are particularly interested in candidates using immunostaining, antibody, flow cytometry, or related techniques to study gene expression and development.

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE

The United States Department of Agriculture (USDA), Agronomic Research Service (ARS), Pollinator Biology Program, Logan, Utah, is accepting applications for a permanent, full-time RESEARCH LEADER and SUPERVISORY RESEARCH ENTOMOLOGIST. This position will develop a program to identify chemosensory traits that influence the social behavior of ants and bees responsible for pollination of crops, and to research ways to improve pollination practices.

BIOLOGIST/MICROBIOLOGIST
to teach basic course in general biology for majors and general microbiology course on rotating basis. Opportunities for developing upper-level courses and participating in cell biology and molecular biology research. Assistant Professors at the University of California, Berkeley, and the University of Texas, Austin, are seeking candidates with research interests in microbiology or molecular biology.

B.S./M.S. SCIENTIST—BIOCHEMISTRY

A SCIENTIST is sought to study protein sequencing and prepare synthetic peptides in a new Biotechnology laboratory. The scientist must have a B.S. or M.S. in biochemistry or molecular biology. The scientist will be responsible for the design of a protein chemistry core facility, under direction of a supervisor. Applicants must have a B.S. or M.S. in biochemistry, chemistry, or biology, and have experience in the areas of protein sequencing and peptide synthesis. For more information, contact the Department of Life Sciences, SUNY at Stony Brook, Stony Brook, NY 11794-2300.

POSTDOCTORAL POSITION

Available immediately to study cytotoxic T cell responses to bovine respiratory syncytial virus protein expressed in a prokaryotic system. Applicants should have a strong background in cell biology and cell signaling.

Please send applications and names of three references to: Dr. J. A. Rother, Department of Veterinary Medicine, University of Illinois, 550 South Jackson Street, Urbana, IL 61801. Fax: 217-333-0120; Email: jrot@vetsci.illinois.edu.
Applicants are invited to apply for post-doctoral research training (National Research Service Awards) at the Alcohol and Drug Abuse Research Center on the grounds of McLean and at the Harvard Medical School. The Alcohol and Drug Abuse Research Center is a multidisciplinary research program which includes basic, clinical and treatment research. Trainees may participate in research on the molecular and behavioral pharmacology of substance abuse; the neuroendocrine consequences of cocaine, heroin and alcohol abuse; the effects of drug abuse on the brain as assessed by brain imaging techniques (MRI, MRS, SPECT, and EEG); the evaluation of the safety and effectiveness of new pharmacotherapies for the treatment of drug abuse. The research program emphasizes analysis of the antecedents of consequences of drug abuse by women. McLean Hospital is an affiliate of the Harvard Medical School and the Massachusetts General Hospital and is located in Belmont, MA, a suburb of Boston. Salary is commensurate with experience (PGY 1 to PGY 7).

Please send a curriculum vitae, reprints of some recent papers, a brief statement about research interests and goals, and the names of three references (including complete addresses and telephone numbers) to: Jack H. Mendelson, Professor of Psychiatry (Neuroscience) or Dr. Nancy K. Mello, Professor of Psychology (Neuroscience), Co-Directors, Alcohol and Drug Abuse Research Center, McLean Hospital, 115 Mill Street, Belmont, MA 02178.

McLean Hospital is an AAR/EO employer and is committed to diversity in the workplace.

The Biology Department at Swarthmore College invites applications for two different 1-year faculty leave replacement positions at the assistant professor level, each beginning September 1997. Applicants should have a Ph.D., teaching experience, and a strong commitment to undergraduate education. All application materials should be received by January 6, 1997.

MICROBIOLOGY: Teaching is expected to include general microbiology, an advanced undergraduate seminar, preferably in the area of prokaryotic gene expression, and participation in the Department’s team-taught introductory biology course. Interested persons should submit a curriculum vitae, three letters of recommendation, and a statement of teaching and research interests to: Dr. Amy Vollmer, Microbiology Search, Department of Biology, Swarthmore College, Swarthmore PA 19081.

ANIMAL PHYSIOLOGY: Teaching is expected to include general animal physiology, an advanced undergraduate seminar in animal physiology or biomechanics, and participation in the Department’s team-taught introductory biology course. Interested persons should submit a curriculum vitae, three letters of recommendation, and a statement of teaching and research interests to: Dr. Sara Hiebert, Animal Physiology Search, Department of Biology, Swarthmore College, Swarthmore, PA 19081.

Swarthmore College is an Equal Opportunity Educator and Employer and specifically invites and encourages applications from women and minorities.

The Department of Orthopaedics and the Department of Microbiology and Molecular Genetics at UMDNJ-New Jersey Medical School invite applications for a tenure-track faculty position. Preference will be given to applicants with research programs in cell and molecular biology relating to musculoskeletal tissue.

The successful candidate will be expected to establish an independent research laboratory within the Department of Orthopaedics in close collaboration with its established Biomechanics/Biомaterials Unit and the Department of Microbiology and Molecular Genetics. Appointment is expected at the level of Assistant Professor; however, distinguished applicants at senior levels will also be considered with support commensurate with the candidate's qualifications and experience.

Applicants should submit a complete curriculum vitae including future research plans to: Fred E. Behrens, M.D., Chairman, Department of Orthopaedics, New Jersey Medical School - UMDNJ, Doctors Office Center, 90 Bergen Street, Suite 5200, Newark, New Jersey 07103. The UMDNJ is an Affirmative Action/Equal Opportunity Employer, m/f/d/v, and a member of the University Health System of New Jersey.

**FACULTY POSITION**

MOLECULAR BIOLOGIST OF MUSCULOSKELETAL TISSUES

The Department of Orthopaedics and the Department of Microbiology and Molecular Genetics at UMDNJ-New Jersey Medical School invite applications for a tenure-track faculty position. Preference will be given to applicants with research programs in cell and molecular biology relating to musculoskeletal tissue.

The successful candidate will be expected to establish an independent research laboratory within the Department of Orthopaedics in close collaboration with its established Biomechanics/Biомaterials Unit and the Department of Microbiology and Molecular Genetics. Appointment is expected at the level of Assistant Professor; however, distinguished applicants at senior levels will also be considered with support commensurate with the candidate's qualifications and experience.

Applicants should submit a complete curriculum vitae including future research plans to: Fred E. Behrens, M.D., Chairman, Department of Orthopaedics, New Jersey Medical School - UMDNJ, Doctors Office Center, 90 Bergen Street, Suite 5200, Newark, New Jersey 07103. The UMDNJ is an Affirmative Action/Equal Opportunity Employer, m/f/d/v, and a member of the University Health System of New Jersey.

**SENIOR RESEARCH CHEMIST**

The Pharmaceutical Research and Development Department of Merck Research Laboratories, a leader in pharmaceutical and biological research, has a career opportunity for a Ph.D. level scientist or equivalent with training in biopharmaceutics, biochemistry, physiology or a related discipline and 1-5 years of postdoctoral experience in either academia or industry.

Responsibilities include designing and conducting preclinical studies to determine how formulation variables influence drug absorption and disposition and development of methodology for successful completion of these studies. Knowledge of pharmaceutics and drug delivery, pharmacokinetics and physiology both for interpretation of preclinical biopharmaceutics experiments and for successful interaction with formulation development, chemistry, metabolism and toxicology groups is required. Demonstrated experience in designing and conducting in vivo preclinical or isolated tissue studies is also essential. Experience with HPLC/spectrophotometric or mass spectrometry and radiotracer analysis for quantification of low level xenobiotics in biological materials is preferred. The successful candidate must have good oral and written communication skills.

Excellent salary and benefits programs accompany this position at our modern research facilities located 25 miles northwest of Philadelphia. Please send resume with cover letter to Ad # D-76, MRI Human Resources WP42-2, Merck Research Laboratories, P.O. Box 4, West Point, PA 19086. Only candidates selected for interviews will receive responses. EEO/AA/VH Employer.
NEXTRAN, an established leader in xenotransplantation research and an affiliate of Baxter Health Care, has a position available for a RESEARCH SCIENTIST in our Xenotransplantation Program.

Candidates for this position must have a Ph.D., with a minimum of two years postdoctoral training. We are seeking an experienced immunologist with strong working knowledge of transplant immunology and/or molecular immunology. Experience with transgenic animal models is a plus.

NEXTRAN offers an excellent working environment, as well as competitive compensation and superior benefits. Qualified applicants are invited to submit a curriculum vitae to:

Human Resources
NEXTRAN
303B College Road East
Princeton, NJ 08540
FAX: 609-520-9864

ENVIRONMENTAL CHEMIST with an interest in organic chemistry. Ph.D. in the area required. Successful candidate must be able to teach organic, general, and environmental chemistry as well as advanced courses in the field.

The development of a research program that actively involves undergraduates is expected. Candidates must be committed to excellence in teaching at an undergraduate liberal arts college with an understanding of, and sensitivity to, minority and gender concerns. Applicants please send resume, three letters of recommendation, transcripts, and a summary of potential research to: Chair, Search Committee (SC1C), CIP Personnel Department, SUNY Plattsburgh, 101 Broad Street, Plattsburg, NY 12901-2981. Review of applications begins January 10, 1997 and continues until position is filled; expected appointment September 1997. Equal Opportunity/Affirmative Action Employer. Underrepresented minority scientists are especially encouraged to apply.

SUPREIVIOR ENVIRONMENTAL HEALTH SCIENTIST

The National Center for Environmental Assessment/RTI Office (NCEA/RTI) of the U.S. Environmental Protection Agency (EPA) is seeking candidates for a Supervisory Environmental Health Scientist position, GS 14/15 (GS 14 for first-year, based on qualifications), located at Research Triangle Park, North Carolina. The principal duties include responsibilities as Chief of the Hazardous Pollutant Assessment Group (HPAG) in directing the day-to-day functioning of the HPAG in its efforts to conduct detailed assessments of health and welfare effects associated with pollutants, and supervising the HPAG staff (i.e., plans, organizes, directs, and coordinates all Group activities). U.S. citizens are eligible. Essential qualifications include an advanced degree with major study in health or allied sciences appropriate to the work of the position; at least one year of specialized experience in health risk assessment; publications and presentations at national meetings on toxicology and/or health risk assessment topics; and knowledge of supervisory and management practices, theories, and techniques and evidence of effective coordination of team work efforts. Please submit a resume, SF-171 or OF-62, and supporting documentation by November 29, 1996 to: Jessie Hopkins, U.S. EPA, (Mail Code 3646) 401 M Street, S.W., Washington, DC 20075. Telephone: 202-260-2965. EPA is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

Harvard Medical School
Massachusetts General Hospital

Applications are invited for a postdoctoral position as an ASSOCIATE to work in the laboratory of Dr. Joel F. Habener. A candidate with outstanding potential and dedication to a research career oriented toward biomedical research is sought to undertake challenging research into the cellular mechanisms involved in the development and maintenance of key genes in the endocrine pancreas. The emphasis of this research program is to understand the genetic and regulatory defects that contribute to the disease Diabetes Mellitus. Please forward curriculum vitae and three references of recommendation to:

Dr. Joel F. Habener
Massachusetts General Hospital
50 Blossom Street
Wellman 02374
Equal Opportunity Employer

POSTDOCTORAL POSITION

Department of Pharmacology
Duke University Medical School

A POSTDOCTORAL POSITION is available to study the molecular mechanism of action of steroid hormone receptors. The successful candidate will use a combination of cellular and biochemical approaches to define the mechanism(s) that permit endocrine target cells to distinguish between hormone- and estrogen-activated estrogen and progesterone receptors.

Applications should have a background in molecular biology or protein chemistry. Interested individuals should submit a curriculum vitae and three letters of reference to:

Dr. Donald P. McDonnell
Department of Pharmacology
Box 3813
Duke University Medical School
Durham, NC 27710
Email: McDonD@acup.duke.edu

Duke University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

A POSTDOCTORAL POSITION is available immediately to study drug development and disease-induced regulation of gene expression in the CNS. The project involves: 1) cloning of the gene(s) whose expression is influenced by either drug treatment or neuropsychiatric disorders; 2) elucidating the function(s) of the genes in the CNS; and 3) characterizing the factors governing the regulation of the genes. The successful candidate will have a Ph.D. in Molecular Biology and be recruited to participate with specific experience in gene cloning, PCR, RNA protection assays, and regulation of gene expression in mammalian systems. Interested applicants should send curriculum vitae, statement of research interests, and three references to: Husseini K. Manji, M.D., Schizophrenia and Mood Disorders Clinical Research Division, Department of Psychiatry and Behavioral Neurosciences, Wayne State University School of Medicine, UHC 9B, 4201 St. Antoine Boulevard, Detroit, MI 48201. Telephone: 313-966-7544; Email: hmanji@med.wayne.edu. Wayne State University is an Equal Opportunity/Affirmative Action Employer. All Wayne State University buildings, structures and vehicles are smoke-free. Wayne State University—People working to provide quality service.

POSTDOCTORAL POSITION

Indiana University Medical Center

Immediate opening available for three years for an electroenzymologist with experience in patch clamp techniques to study the role of ion channels in the cellular response of bone and muscle to mechanical strain. Experience with cell culture techniques desired. Send curriculum vitae, three references, and statement of research interests to:

Dr. Randall L. Duncan
Department of Orthopaedic Surgery
Indiana University Medical Center
541 Clinical Drive, Suite 600
Indianapolis, IN 46202
Email: rduncan@iu啥.edu

Indiana University and Indiana University Medical Center are Equal Opportunity/Affirmative Action Employers.

POSTDOCTORAL Positions

Johns Hopkins University invites applications for the Distinquished POSTDOCTORAL FELLOWSHIP program. This program is sponsored by the Whitaker Foundation. The aims of this program are: 1) to promote an interdisciplinary approach to the study of cardiovascular and musculoskeletal systems, and 2) to provide the very best of the recently graduated Ph.D.'s an opportunity to perform independent research in a supportive environment. The fellowships will provide postdoctoral candidates with the freedom to conduct highly visible research while drawing upon the material resources and scientific expertise of the established laboratories of the BME Faculty sponsors. Each recipient will be sponsored by faculty members in one of the following areas of concentration: biomechanical imaging, biomaterials, cardiovascular systems, molecular and cellular systems, sensors and instrumentation, systems neurobiology, and theoretical and computational biology. Salary will be $30,000 per year, with additional funds to cover health insurance. The duration of the fellowship is two years. Interested applicants should submit a curriculum vitae, two letters of reference, and a two-page description of their research interests and previous work to: Dr. Murray Sachs, Director, Department of Biomedical Engineering, 720 Rutland Avenue, Baltimore, MD 21205. Deadline for receipt of applications is December 15, 1996.

For more information, see: http://www.bme.jhu.edu.

Three positions available for ASSOCIATE/STAFF ASSOCIATE/MOLECULAR BICHELOR to work on molecular and biochemical aspects of radiation induced and repair mechanisms in mammary and yeast. (Dr. H. B. Lieberman's lab.)

ASSOCIATE RESEARCH SCIENTIST/Molecular Biology, to determine mechanisms for the functional inactivation of the ATM gene on chromatin structure. (Dr. Pandita's lab.)

POSTDOCTORAL RESEARCH SCIENTIST/Radiation Biology, to study potential "fingerprints" of the effect of radiation on cellular and subcellular structures by using the cellular effects of irradiation at low dose rate. Experience using FISH technique to look at intra- and interchromosomal aberrations essential. (Dr. D. J. Brennan's and Dr. F. S. Book's lab.)

To: the Investigator: Center for Radiological Research, Columbia University, 630 West 168th Street, New York, NY 10032. FAX: 212-305-3229. We are an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL OR RESEARCH ASSOCIATE POSITION

A POSTDOCTORAL POSITION for an exciting project in the cell biology of atherosclerosis is available in the Bask Associates at Columbia University Medical Center. Candidate must have experience in cell culture and standard biochemistry techniques and should be knowledgeable in the field of intracellular membrane trafficking and signaling. Exposure to fluorescence microscopy and/or electron microscopy is strongly desired. Send curriculum vitae and three references to: Dr. Ira Tabas, Department of Medicine, Columbia University, 630 West 168th Street, New York, NY 10032. FAX: 212-854-0979. We are an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

To develop recombinant polyclonal antibody libraries for immunotherapy against cancer and infectious diseases. Some experience in molecular biology, cell culture, and immunological methods required. Experience with phage display is required. Send resume and three professional reference letters to: Dr. Jacqueline Sharon, Boston University School of Medicine, 80 East Concord Street, K707, Boston, MA 02118. FAX: 617-638-4079; Email: jsharon@acs.bu.edu. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL Position available: For study of regulation of cytoskeleton production by keratinocytes and fibroblasts. Experience with epithelial cell culture and/or in situ hybridization required. American citizen or permanent resident status required by terms of grant. Salary: $26,000 to $33,000 per year. Send resume, publications, and letter of application to: Dr. Melvin Berger, M.D., Ph.D., Professor of Pediatrics, Case Western Reserve University, Rainbow Babies and Childrens Hospital, 11100 Euclid Avenue, Cleveland, OH 44106. Case Western Reserve University is an Affirmative Action/Equal Opportunity Employer.
RESEARCH ASSOCIATES:

Molecular Biology • Cell Culture • Animal Science

DNX Transgenics is a leader in providing transgenic animal development and research capabilities to the biomedical research community. Due to the increased growth of our contract transgenic sciences business, opportunities exist for motivated Research Associates seeking challenging and rewarding careers in our Princeton facility. Opportunities exist in Molecular Biology, Cell Culture and Animal Science.

Qualified candidates should have a BS in Biology with 5+ years of industry experience. Molecular Biology candidates must have extensive experience in gene cloning, gene manipulation and be proficient in all methods of gene expression analysis. Cell Culture candidates will be required to maintain embryonic fibroblasts, embryonic stem cells and execute a designed gene targeting protocol. Animal Science candidates should be familiar with the operation of a transgenic animal facility and the breeding and maintenance of transgenic animal lines. All candidates should be able to work independently and have excellent communication, organization and interpersonal skills.

DNX offers competitive salary, comprehensive benefits package and an excellent working environment. Please send curriculum vitae and references to: Human Resources, DNX Corporation, 575 Route 28, Raritan, NJ 08869. EOE.

Please visit us on the Web at: www.dnxtrans.com

NEW YORK UNIVERSITY

DENTAL SCIENTISTS

New York University College of Dentistry is seeking to recruit dentists to tenure-track positions who have both research and clinical training. Specifically, we are interested in appointing dentists who have acquired a Ph.D. in one of the biomedical sciences including, but not limited to, Biochemistry, Cell Biology, Experimental Pathology, Immunology, Microbiology, Molecular Biology, Oral Biology, Pharmacology, Physiology, etc. A Ph.D. in one of the Material Sciences is also acceptable. Furthermore, the ideal candidate will have acquired additional research training as a postdoctoral fellow.

In addition, applicants should have advanced training in one of the following dental disciplines: Endodontology, Geriatric Dentistry, Oral Medicine/Oral Pathology, Oral Surgery, Orthodontics, Pediatric Dentistry, Periodontics, Prosthodontics, or Public Health Dentistry.

New York University College of Dentistry expects to appoint up to five D.D.S.-Ph.D.’s to these newly created positions. Successful applicants are expected to establish an extramural funded productive research program and support the teaching programs of the College.

Please send a letter of interest and curriculum vitae to: Barry Rifkin, DDS, Ph.D., David B. Krissler Dental Center, New York University College of Dentistry, 345 East 24th Street, New York, NY 10010.

NYU encourages applications from women and members of minority groups.

MOUNT SINAII

Research Positions

STRUCTURAL BIOLOGY

The Mount Sinai School of Medicine has several exciting research positions available with the Structural Biology Program.

NMR Facility Manager

The new Structural Biology Program at Mount Sinai School of Medicine, to be located at our newly-constructed state-of-the-art facilities, seeks an individual with a strong background in heteronuclear multidimensional NMR spectroscopy.

Responsible for the daily operation/maintenance of the NMR Facility, including a 600 MHz and a 500 MHz spectrometers. Additionally, there will be an opportunity to participate in ongoing research of protein structure and function. A Ph.D. in chemistry or biophysics is preferred.

Postdoctoral Associates

Several postdoctoral positions are available for highly-motivated individuals to study the structural biology of proteins involved in signal transduction and cell cycle regulation. Experience in protein chemistry, molecular biology or multidimensional NMR is required. Expertise in enzymology is a plus. The laboratory is equipped with state-of-the-art facilities for structural biology research focused on high-resolution NMR.

Send curriculum vitae, statement of research interest and names of three references to: Ming-Ming Zhou, Ph.D., c/o: Ms. Maureen Milici, Department of Physiology and Biophysics, Mount Sinai School of Medicine, Box 1218, One Gustave L. Levy Place, New York, NY 10029-6574, fax: 212-860-3359, e-mail: mmz@helix.pprod.abbott.com. An Equal Opportunity Employer.

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STRUCTURAL BIOLOGY

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The Mount Sinai Medical Center

MOLECULAR BIOLOGISTS

The National Renewable Energy Laboratory (NREL) in Golden, just west of Denver, is the nation's primary federal laboratory for research, development and deployment of renewable energy and energy efficiency technologies.

The Stress Development Team in the Biotechnology Center for Fuels and Chemicals at NREL has several key, immediate openings for experienced microbial researchers skilled in classical and modern genetic techniques. You will be joining a dynamic team of scientists working to metabolically engineer and characterize a variety of fermentative microorganisms to over produce ethanol.

A strong background in biochemistry, biochemical engineering, microbial physiology, and/or molecular biology is required of the successful candidates. Familiarity with biochemical pathways and enzymology is an asset.

Associate Microbial Geneticist Req#E4200-632, requires a Bachelor's degree with 1-2 years experience in genetic engineering of microorganisms. Staff Molecular Biologist Req#E4200-631, requires an advanced degree (recent Ph.D preferred). Familiarity with pathway engineering and/or microbial biochemistry is required.

Several postdoctoral positions are also anticipated for researchers experienced in Lactobacillus genetics. Our innovative research for cleaner, safer, and renewable energy sources is carried out in state-of-the-art laboratories.

For prompt consideration, please send your resume to: NREL, Human Resources Office, Req. # E100, 1617 Cole Blvd., Golden, CO 80401.

NREL is an equal opportunity employer and proud of its commitment to diversity. Women and minorities are encouraged to apply.

Drug Discovery

Director of Pharmacokinetics/Drug Metabolism

In this newly created position, you will play a lead role in discovering synthetic small molecule therapeutics for the treatment of medically important diseases. Requirements include a Ph.D., significant managerial and pharmaceutical experience, and a demonstrated record of scientific achievement. Before submitting a resume, please call 800/621-0537 (24 hours) for important additional information. Position 3022.
Ecosystem Ecology — Limnology
University of Minnesota, Twin Cities

The Department of Ecology, Evolution, and Behavior is searching for two new faculty at the Assistant or Associate Professor level as part of the first phase of a series of hires. Successful candidates will be expected to establish vigorous, extramurally funded research programs, train graduate students, and teach undergraduate and graduate courses in their areas of expertise. A Ph.D. or its equivalent in a relevant biological discipline is required and post-doctoral experience is desired. Application review will begin on December 1, 1996. Closing date is January 22, 1997. Send a CV, statement of teaching and research interests, copies of up to three reprints, and have three letters of reference sent to Chair, [Appropriate] Search Committee, Department of Ecology, Evolution, and Behavior, University of Minnesota, 1987 Upper Buford Circle, St. Paul, MN 55108. See http://biosci.cbs.umn.edu/eeb/jobs/ for more information. The two positions are:

Ecosystem/Community Ecology — All those working in this area are encouraged to apply, but we are particularly interested in those pursuing rigorous field work in terrestrial habitats, especially work that links ecosystem processes such as nutrient or carbon dynamics with community dynamics or that addresses regional or global biogeochemical issues.

Moos Chair in Limnology — All those working in this area are encouraged to apply, but we are particularly interested in candidates with general interests in aquatic systems and expertise in algal ecology, microbial ecology, biogeochemistry, or other areas that complement existing programs at the University of Minnesota. This endowed chair will be filled at the Assistant or Associate Professor level.

The University of Minnesota is an Equal Opportunity Educator and Employer.

The University of Medicine and Dentistry of New Jersey—New Jersey Dental School, Dental Research Center welcomes applications for the following Tenure Track Research positions:

ASSOCIATE PROFESSOR LEVEL

The position requires a person who has an independently funded program. Applicants who work in the areas of microbiology and immunology will be considered. Preference will be given to applicants with demonstrable expertise in microbial pathogens at the molecular level and have shown success as an independent investigator. This position represents an outstanding academic research opportunity for a mid-career/ or outstanding less senior investigator.

ASSISTANT PROFESSOR LEVEL (2)

Researchers who work in the area of microbiology and immunology will be considered. Preference will be given to applicants who have demonstrated expertise in the techniques of microbial and molecular biology and have shown success as an independent investigator. These positions represent outstanding academic research opportunities for junior and mid-career investigators.

Periodontal disease(s) is a ubiquitous disease that effects over 60% of the population. This group of diseases results from an infection that is caused by bacteria that colonize the teeth, co-aggregate with other oral bacteria, eventually dominate their habitat and overcome the local host defense system. The focus of the Dental Research Center will be in the area of bacterial-bacterial, host-bacterial interactions employing methods in modern molecular biology to study the pathogenesis of periodontal diseases. We wish to develop a program that create and implements novel approaches to the study of these areas.

Applicants must have a Ph.D., a minimum of two years of relevant post-doctoral experience and training or an interest in pursuing the area of molecular pathogenesis. Salary, fringe benefits, and start-up packages are more than competitive, and are commensurate with qualifications and experience. Starting time for the Assistant Professor positions are flexible to accommodate applicants. To apply send curriculum vitae, indicating position of interest, references, statements of research and teaching interests, and names and addresses, telephone and FAX numbers, and E-mail addresses of three persons who may be contacted as references to Dr. D. Pine, Director, Dental Research Center, University of Medicine and Dentistry of New Jersey (UMDNJ), N.J.D.S, The Dental Research Center, Room C-813, 110 Bergen Street, Newark, NJ 07103 or e-mail to finedh@umdnj.edu.

UMDNJ is an Equal Opportunity Employer and announces under an Affirmative Action Policy. The University strongly encourages all qualified applicants.

Looking for the missing pieces to your recruitment puzzle?

Find what you’re looking for in the upcoming European Careers Advertising Supplement. By advertising in this issue, you’ll reach European scientists focused on their careers. You’ll also receive bonus distribution to over 20 university science programs in Europe and the UK.

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Science
http://www.sciencemag.org
The Faculty of Science at the University of Nijmegen, The Netherlands, includes the departments of Physics, Chemistry, Biology and Environmental Chemistry.

In the Chemistry Department there is currently a position available for a

**professor of solid state chemistry (full time position)**

Major research areas of the faculty are fundamental Materials Research, carried out in the Research Institute for Materials (RIM), and Molecular Structure, Design and Synthesis, which is the scientific mission of the Nijmegen SON Research Center (NSR Center). The position available is within the RIM. Therefore the research program of the candidate should meet the scientific objectives of this institute, in particular with respect to the study of complex materials from a chemical point of view. This includes the experimental study and theoretical modeling of crystal stability and morphology, and of crystal growth processes taking place at solid-gas and solid-liquid interfaces. The candidate should collaborate with other groups in the RIM and/or NSR Center, and contribute to the international scientific standing of these institutes by carrying out high quality research. He/she must be able to obtain also external funding to support the proposed research.

The candidate will also be asked to participate in the teaching program for undergraduate and graduate students in the area of physical chemistry, and particularly in solid state chemistry.

For this position we are looking for a chemist or physicist with:

- broad knowledge of physical chemistry with emphasis on solid state chemistry
- the ability to be an inspiring leader of the experimental research program of the existing group
- the capability to provide theoretical support of this research
- the ability to maintain and extend national and international scientific contacts
- broad experience in carrying out high-level scientific research
- excellent teaching qualifications
- experience in obtaining outside financial support

It is expected that the candidate will take part in administrative and organizational duties within and outside the department.

The Faculty is making an effort to increase the number of women in academic positions. Hence, women are strongly encouraged to apply.

Additional information about this position can be provided by the chairman of the search committee, prof. dr A. Van der Avord, telephone (024) 365 30 37, e-mail: avda@theochem.kun.nl.

A written application with curriculum vitae and list of publications should be addressed within two weeks to the Faculty of Science, Personnel Department, Toernooiveld 1, 6525 ED Nijmegen, the Netherlands, quoting reference number 96-211.

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**THE UNIVERSITY OF LEEDS**

**DEPARTMENT OF PHYSIOLOGY**

**RESEARCH FELLOW IN CELLULAR CARDIOLOGY**

This postdoctoral position, funded by the British Heart Foundation, is available immediately for a fixed period of five years. The appointee will study ionic currents with the whole cell patch clamp technique in cells from different regions of the sinoatrial node and will join a team of other electrophysiologists, anatomists, and computer modellers in the UK and Japan to map the mammalian sinoatrial node.

Applicants should have a PhD in an appropriate biological science and relevant electrophysiological research experience.

Salary will be on the scale for Research Staff Grade 1A within the range £14,317 - £17,466 p.a. (under review) according to qualifications and relevant experience.

Application forms and further particulars may be obtained from Professor M.R. Boyett, Department of Physiology, University of Leeds, Leeds, LS2 9JT, tel +44 (0) 113 233 4298, fax +44 (0) 113 233 4224, email m.r.boyett@leeds.ac.uk.

Informal enquiries about the post may also be directed to Professor Boyett.

In all enquiries please quote the reference number 104/49

Closing date for applications is 6 December 1996

*The University of Leeds promotes an Equal Opportunities Policy.*
NEW POSTDOCTORAL POSITION available immediately to study neurons contained within the cytoskeletal/membrane complexes of red blood cells, that is used directly to fuel the pumped transport of Na, K, and Ca. Send curriculum vitae and three references to: Dr. W. T. Shier, College of Pharmacy, University of Minnesota, Minneapolis, MN 55455.

CORTICAL CIRCUITS
POSTDOCTORAL POSITION available immediately to join ongoing research program investigating cortical neuronal networks in the rodent somatosensory system. We are interested in understanding the signal-propagation mechanisms that underlie the parallel physiological processes in the thalamocortical and corticocortical circuitry in the whisker/barrel cortex in vivo. Electrophysiological studies are required. Strong background in quantitative data analysis and signal processing is desirable. Please send curriculum vitae, names of references, and statement of research experience to: Dr. Daniel J. Simons, Department of Neurobiology, University of Pittsburgh School of Medicine, 200 Lothrop St, Pittsburgh, PA 15261. Email: cortex@vms.cis.pitt.edu.

MEETINGS
American Society of Tropical Medicine and Hygiene 45th Annual Meeting Baltimore, Maryland December 1 to 5, 1996 Over 600 abstracts spanning basic/scientific research in tropical medicine. Symposia include:
- Cyclics;
- Host and Parasite: Tales of Evasion;
- Vaccines Against Tropical Diseases;
- Late Breakers in Molecular Biology;
- Parasite Immunology and Knockout Mice;
- Cell-Mediated Pathology;
- Molecular Biology of Parasites;
- Parasite Genomes, From Sequence to Biology;
- Travel Medicine Problems in the Caribbean;
- Nuclear Acid Vaccines for Human Viral Pathogens;
- Cryptosporidium and Cryptosporidiosis;
- Measles: The Neglected Tropical Killer;
- Remote Sensing the Patterns of Tropical Disease;
- Dengue Prevention Program.
Program and Abstracts were published in the August 1996 supplement of the American Journal of Tropical Medicine and Hygiene, and are also available on the American Society of Tropical Medicine and Hygiene's (ASTMH) Homepage: http://members.aol.com/astmhweb/. Or call the ASTMH at Telephone: 847-480-9592; FAX: 847-480-9282 for more information.

THE 13TH INTERNATIONAL CONGRESS OF DEVELOPMENTAL BIOLOGY

COURSES AND TRAINING
University of Michigan's Interdisciplinary graduate program in Cellular and Molecular Biology offers flexible individualized training toward the Ph.D. with research opportunities in 15 labs in 14 areas of research. Please send curriculum vitae and telephone number to: Dr. W. T. Shier, College of Pharmacy, University of Minnesota, Minneapolis, MN 55455.
CAREER III

beginning

THE

matter

statement and level. The candidate's background must include a Ph.D. or equivalent and preferably post-doctoral experience. The assessment criteria will include the applicant's teaching and research experience and evidence of research productivity.

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. Candidates should send a letter of interest with a detailed resume, a statement of teaching and research interests, and the names and addresses (including e-mail) of three individuals who will, if requested, provide letters of reference. The appointment will become effective on or after July 1, 1997. Consideration of applicants will begin on December 1, 1996 and continue until the position is filled.

The mailing address for applications or for more information is:

Dr. J.S. Murphree, Head,
Department of Physics and Astronomy,
The University of Calgary,
2500 University Drive N.W.
Calgary, Alberta T2N 1N4

THE UNIVERSITY OF CALGARY

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Be at the forefront of an exciting opportunity in Western Canada.

The Perinatal Research Centre, University of Alberta, Edmonton, was established five years ago and is among the top six such centres in the world. Applications are being accepted for graduate students and Fellows to further develop the base of perinatal investigation in the Faculties of Medicine, Nursing and Rehabilitation Medicine.

Perinatal research is a priority academic development in the disciplines of physiology, immunology and infectious diseases, pharmacology, anatomy and cell biology, experimental medicine, nursing, rehabilitation medicine, and epidemiology.

Applicants must have an excellent academic record, excellent English skills, and a clearly defined interest in perinatology. The Centre will assist in obtaining an expert supervisor. A competitive remuneration package is offered, as well as superb research facilities and biostatistical and data management expertise. The University of Alberta has Canada's only tuition scholarship program which can be used in conjunction with other financial support.

For detailed information, consult WWW:
http://www.ucalgary.ca/~perinatal.html

Please forward letter of enquiry and curriculum vitae to Diane Schimeck, RN, BScN, Managing Officer, Perinatal Research Centre, 220 Heritage Medical Research Centre, University of Alberta, Edmonton, AB, Canada T6G 2S2, telephone: (403) 492-2765, fax: (403) 492-1308, or e-mail: perinarc@ghu.srv.uaarchive.ca

Applications will be reviewed immediately upon receipt.

PERINATAL RESEARCH CENTRE
UNIVERSITY OF ALBERTA

STAFF SCIENTIST
(NEUROPATHOLOGY)

The Clinical Brain Disorders Branch of the National Institute of Mental Health is actively seeking a board-certified Neuropathologist to provide comprehensive expertise in support of neuropathological research of mental illness. The successful candidate must have extensive research experience in neuroanatomy, including the regions of the entorhinal and prefrontal cortex. Candidate must have experience with forensic pathology and neuropsychiatry, especially schizophrenia. Candidate must be able to manage and coordinate tissue acquisition and an extensive specimen bank, supervise and train research fellows and support personnel, and interact professionally with a variety of disciplines, including psychiatry, molecular biology, forensic pathology, and families of deceased individuals.

To apply for this position, please submit an Application for Federal Employment or resume and curriculum vitae/bibliography to Susan Swedo, M.D., Chairman, Search Committee, National Institutes of Health, Building 10, Room 4N-224, Bethesda, Maryland 20892, no later than November 22, 1996.

The National Institute of Mental Health is an Equal Opportunity Employer.
Sometimes the best ideas are the simple ones.

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