POSITIONS OPEN

OKLAHOMA STATE UNIVERSITY
Department of Microbiology and Molecular Genetics

As part of a continued search, applications are invited to fill a position at the level of ASSISTANT PROFESSOR. The successful candidate will develop an innovative research program investigating a fundamental biological process using the budding yeast Saccharomyces cerevisiae as a model organism. Candidates must have a Ph.D. in the area of research specialization remains open, however, experimental approaches using yeast genetics and molecular biology will be important. Applicants must have a Ph.D. and postdoctoral training. The applicant will be expected to develop a strong research program complementary to ongoing research activities, to seek extramural funding, and to participate in the graduate program. Instructional responsibilities include teaching an undergraduate course and an upper division undergraduate course. The Ph.D., postdoctoral fellowship, and substantial extramural funding required. Application deadline is September 30, 1994, and must include the following: a letter of application, curriculum vitae, and three letters of recommendation. Copies of all academic transcripts must be forwarded by October 21, 1994. Submit applications to: Dr. J. David Glass, Chair, Search Committee, Department of Biological Sciences, Kent State University, Box 33, Kent, OH 44242. Kent State University is an Equal Opportunity/Affirmative Action Employer.

TENURE-TRACK FACULTY POSITIONS IN NEUROSCIENCE
CASE WESTERN RESERVE UNIVERSITY

The Department of Neurosciences at Case Western Reserve University School of Medicine invites applications for two tenure-track positions to be filled at the ASSOCIATE PROFESSOR level. The department seeks to recruit individuals who will develop strong independent research programs in integrative neuroscience studying how the vertebrate CNS processes and integrates information and determines appropriate behavioral output. Individuals utilizing multidisciplinary approaches including reduced preparations and/or models systems will be considered. While these appointments are designed to develop a focus in integrative neuroscience that will complement the research interests of the 12 primary faculty which include cellular and molecular, developmental neurosciences, outstanding candidates in any area of neuroscience will be considered. Excellent opportunities also exist to interact with 15 additional neuroscientists in other departments who have active roles in research and teaching. The department, recently consolidated in a newly renovated space, provides excellent research support. Research duties involve lecturing on neuroscience to medical and graduate students. Those interested should submit a curriculum vitae and a brief summary of their research plans by November 1, 1994, and arrange to have four letters of reference sent to: Dr. Story Landsis, Search Committee, Department of Neurosciences, Case Western Reserve University, Medical School, 10900 Euclid Avenue, Cleveland, OH 44106-4975. Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.

BIological SCIENCES: Endocrinology—The Reproductive Physiology and Endocrinology Group in the Department of Biological Sciences at Kent State University invites applications for a tenure-track position at the ASSOCIATE PROFESSOR level to start January 1, 1995. Research should be in an area of mammalian endocrinology related to reproductive physiology. The appointee will be expected to develop a strong research program complementary to ongoing research activities, to seek extramural funding, and to participate in the graduate program. Instructional responsibilities include teaching an undergraduate course and an upper division undergraduate course. The Ph.D., postdoctoral fellowship, and substantial extramural funding required. Application deadline is September 30, 1994, and must include a letter of application, curriculum vitae, and three letters of recommendation. Copies of all academic transcripts must be forwarded by October 21, 1994. Submit applications to: Dr. J. David Glass, Chair, Search Committee, Department of Biological Sciences, Kent State University, Box 33, Kent, OH 44242. Kent State University is an Equal Opportunity/Affirmative Action Employer.

DEVELOPMENTAL BIOLOGY OF MARINE ORGANISMS

The Division of Molecular, Cellular and Developmental Biology of the Department of Biological Sciences, University of California, Santa Barbara, seeks a tenure-track ASSISTANT PROFESSOR conducting innovative research on the developmental biology of marine organisms at the molecular level. Research areas may include, but are not confined to: molecular genetic determination of cell fate; cell and tissue pattern formation; cell-cell signaling; neural pathway development; sensory organ development and regeneration; neuronal communication; evolutionary aspects of development; and development of marine invertebrates and vertebrates. The successful candidate will have a Ph.D. and postdoctoral experience. The initial appointment is tenure-track, with the expectation of full tenure after two years. In addition to teaching and research responsibilities, the successful candidate will be expected to collaborate with scientists from other departments at the University of California, Santa Barbara. The pos- ition would begin in the fall of 1994. Applications are due by December 1, 1994. Send a letter, curriculum vitae, and three letters of reference to: Division of Molecular, Cellular and Developmental Biology, University of California, Santa Barbara, CA 93106-4000. The University of California is an Equal Opportunity/Affirmative Action Employer.

WILDLIFE ECOLOGIST

The Department of Zoology and Physiology at the University of Wyoming seeks applications for a tenure-track position at the level of ASSISTANT PROFESSOR. The focus is on ungulate ecology; expertise in such areas as habitat relationships, community ecology, GIS/spatially explicit databases or modeling would complement existing departmental strengths. Teaching responsibilities include an undergraduate course in wildlife biology, plus additional undergraduate or graduate courses in the candidate’s area of interest. The incumbent will be expected to seek extramural support for research, and maintain an active program of scientific research. Experience conducting postdoctoral research and in collaborating and communicating with government agencies is desirable. An application, including a letter outlining research interests, curriculum vitae, and three letters of recommendation should be submitted to: Chair, Wildlife Search Committee, Department of Zoology and Physiology, PO Box 3111, University of Wyoming, Laramie, WY 82071-3116. Telephone: 307-766-4207; FAX: 307-766-5625. To be considered, application materials must be postmarked by 1 October 1994. An Equal Opportunity/Affirmative Action Employer.
**Positions Open**

**PROKARYOTE PHYSIOLOGIST**  
Facility Position  
Undergraduate Program in Microbiology  
The University of Arizona  

The Undergraduate Program in Microbiology, consisting of faculty members of the Departments of Agricultural and Life Sciences, and Medicine, is seeking candidates with a broad understanding of bacterial physiology and an active research program for a tenure-track position at the ASSISTANT PROFESSOR level. The successful applicant will be expected to teach at the undergraduate and graduate levels and to establish an independent research program in the area of bacterial physiology. This appointment will be made in the Department of Veterinary Science, which now serves as the home department for the Undergraduate Program in Microbiology. Outstanding candidates holding the Ph.D., D.V.M., Ph.D., M.D./Ph.D., or equivalent are encouraged to apply by sending a letter of intent, curriculum vitae, and a statement of research and teaching interests. Three letters of support should also be sent to: Lynn Joens, Ph.D., Chairman, Veterinary Science/Microbiology Search Committee, Department of Veterinary Science, Veterinary Science/Microbiology Building, The University of Arizona, Tucson, AZ 85721. To ensure consideration, applications should be received by November 1, 1994, although applications will be accepted until the position is filled. The University of Arizona is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

**ASSISTANT PROFESSOR OPENING IN BIOCHEMISTRY/MOLECULAR BIOLOGY**  
UNIVERSITY OF ILLINOIS—URBANA/CHAMPAIGN  

The Department of Biochemistry at the University of Illinois is seeking applicants for an ASSISTANT PROFESSOR position. The position, which carries full-time, tenure-track appointment, will be available starting August 1995. Outstanding applicants in any research area related to dynamic and emerging areas of biochemistry and molecular biology will receive full consideration. Examples of research areas of interest are gene regulation, nucleic acid biology, signal transduction and molecular immunology. The successful applicant must have demonstrated excellence in research, and must be prepared to participate effectively in the teaching program of the Department. A doctoral degree and postdoctoral experience in a relevant area are required. Applicants should submit a curriculum vitae and a brief description of future research plans, and should have letters of recommendation from at least three qualified scientists sent to the Search Committee. Completed applications should be received by December 15, 1994, to assure full consideration. Applications and requests for further information should be directed to: The Biochemistry Search Committee, Department of Biochemistry, University of Illinois, 600 South Mathews Avenue, Urbana, Illinois 61801. For inquiries: 217-333-2013.

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

**ASSISTANT PROFESSOR**  
BIOLOGICAL CHEMISTRY/MOLECULAR BIOLOGY  
The Department of Biological Chemistry, College of Medicine, University of California, Irvine invites applications for a tenure-track appointment at the ASSISTANT PROFESSOR level. Individuals with research experience and interest in genetics and molecular biology, including macromolecular processing and its control, structural biology and developmental processes are particularly encouraged to apply. Individuals are also expected to develop independent research programs and to participate in the teaching of medical students and graduate students in a campus-wide joint graduate program in molecular biology, genetics and biochemistry. Applicants should send curriculum vitae, statements of proposed research and three letters of recommendation by November 1, 1994, to: Search Committee Chair, Department of Biological Chemistry, College of Medicine, University of California, Irvine, CA 92717-1700. The University of California is an Equal Opportunity/Affirmative Action Employer.

**Positions Open**

**ASSISTANT OR ASSOCIATE PROFESSOR ENVIRONMENTAL PHYSIOLOGY**  
The University of Arizona, College of Agriculture and Life Sciences, is seeking an individual for a tenure-track assistant or associate professor position in the area of environmental physiology. The College of Agriculture and Life Sciences has established a new, dynamic, and diverse research program in the area of environmental physiology. The successful candidate for this position will be expected to develop an independent, competitive research program in this field. This position has the potential to lead to an endowed chair. The department is committed to hiring and retaining an affirmative action and equal opportunity employer. The University of Arizona is an AA/EOE. Minorities and women are encouraged to apply.

**Positions Open**

**ASSISTANT PROFESSOR**  
BIOLOGICAL PHYSICS  
Department of Physics  
The University of Arizona is seeking candidates for a tenure-track position at the level of ASSISTANT PROFESSOR in the area of biological physics. The successful candidate will be expected to develop an independent, competitive research program in this field. This position has the potential to lead to an endowed chair. The department is committed to hiring and retaining an affirmative action and equal opportunity employer. The University of Arizona is an AA/EOE. Minorities and women are encouraged to apply.

**VISUAL NEUROSCIENTIST**  
ASSISTANT/ASSOCIATE PROFESSOR  
The National Eye Institute, National Institute of Health, Bethesda, MD 20892 invites applications for a tenure-track assistant or associate professor position in the area of visual neuroscience. Research in the laboratory is focused on the development and function of neural circuits mediating human vision. The successful candidate will be expected to develop an independent research program and to participate in the training of graduate and post-doctoral students. Candidates should have a Ph.D. or equivalent degree and at least two years of research experience. The successful candidate will collaborate closely with other members of the Neuroimaging and Vision Sciences Branch. A Ph.D. degree in neuroscience, visual science, psychology, or related fields is required. The National Eye Institute is an equal opportunity employer. Women and minorities are encouraged to apply.

**Positions Open**

**ASSOCIATE PROFESSOR/ASSOCIATE DIRECTOR MICROBIOLOGY**  
DEPARTMENT OF MICROBIOLOGY  
DEPARTMENT OF PATHOLOGY  
UNIVERSITY OF CALIFORNIA, IRVINE  

The Department of Pathology is seeking a qualified candidate at the level of tenured ASSOCIATE or FULL PROFESSOR. Applicants must have an established record of teaching and research, and should have scholarly research accomplishments. The individual chosen will serve as the ASSOCIATE DIRECTOR of the Microbiology Program, working with the chairperson to ensure the provision of a high-quality service and teaching programs in the Bacteriology and Mycobacteriology Sections. Experience in the laboratory diagnosis of sexually transmitted diseases and mycobacterial infections is desirable. The candidate will be expected to develop proficiency in the laboratory employment of emerging diagnostic technologies in clinical practice. The successful candidate will be expected to demonstrate ability to compete for extramural funding to support a research program. Candidates for the position should be nationally recognized Microbiologists, with an M.D. or Ph.D. degree and appropriate licensures. The position will be open until filled. A resume and a brief statement of research interests and investigative experience should be sent to: Yutaka Kikkawa, M.D., Professor and Chairman, Department of Pathology, University of California, Irvine, CA 92717-4800. The University of California, Irvine is committed to diversity and the principle of equal opportunity in the treatment of all applicants.

**ASSISTANT PROFESSOR**  
MOLECULAR CANCER IMMUNOLOGIST  
at the University of Arizona Health Sciences Center  

The position is tenure-track at the level of ASSISTANT PROFESSOR with an appointment in the Department of Immunology and the Arizona Cancer Center. Applicants should have a Ph.D. or M.D. and have demonstrated expertise in the field. The successful candidate will be expected to develop an independent, competitive research program in cancer-related molecular immunology. An interest in the application of state-of-the-art technologies and novel techniques to clinical problems would be an advantage. Submit a curriculum vitae and three letters of recommendation to: Dr. Thomas C. Harrington, Chairman, Department of Pathology, Iowa State University, Ames, IA. 50011-1020. An Equal Opportunity/Affirmative Action Employer.

**MOLECULAR CANCER IMMUNOLOGIST**  

The position is tenure-track at the level of ASSISTANT PROFESSOR with an appointment in the Department of Immunology and the Arizona Cancer Center. Applicants should have a Ph.D. or M.D. and have demonstrated expertise in the field. The successful candidate will be expected to develop an independent, competitive research program in cancer-related molecular immunology. An interest in the application of state-of-the-art technologies and novel techniques to clinical problems would be an advantage. Submit a curriculum vitae and three letters of recommendation to: Dr. Thomas C. Harrington, Chairman, Department of Pathology, Iowa State University, Ames, IA. 50011-1020. An Equal Opportunity/Affirmative Action Employer.

**MOLECULAR CANCER IMMUNOLOGIST**  

The position is tenure-track at the level of ASSISTANT PROFESSOR with an appointment in the Department of Immunology and the Arizona Cancer Center. Applicants should have a Ph.D. or M.D. and have demonstrated expertise in the field. The successful candidate will be expected to develop an independent, competitive research program in cancer-related molecular immunology. An interest in the application of state-of-the-art technologies and novel techniques to clinical problems would be an advantage. Submit a curriculum vitae and three letters of recommendation to: Dr. Thomas C. Harrington, Chairman, Department of Pathology, Iowa State University, Ames, IA. 50011-1020. An Equal Opportunity/Affirmative Action Employer.

**MICROBIOLOGIST/MOLECULAR BIOLOGIST**  

Search continued for an Assistant/Associate Professor, tenure-track, fall 1995, to teach Microbiology/Molecular Biology, and participate in an introductory biology Ph.D. required. Appointees should have at least two years of postdoctoral or equivalent experience in the area of macromolecular structure/function and related fields. Responsibilities begin on August 1, 1995, and include teaching an introductory course, advising undergraduate and graduate students, and participating in the undergraduate research program. Preferred qualifications include expertise in cellular biology, genetics, biochemistry, molecular biology, or the biological aspects of microbiology. Applicants should have demonstrated teaching and research capabilities. Candidates should have at least two years of postdoctoral or equivalent experience in the area of macromolecular structure/function and related fields. The University of Arizona is an AA/EEO/ADA Employer. Women and minorities are encouraged to apply.

**VISUAL NEUROSCIENTIST**  
ASSISTANT/ASSOCIATE PROFESSOR  
The National Eye Institute, National Institute of Health, Bethesda, MD 20892 invites applications for a tenure-track assistant or associate professor position in the area of visual neuroscience. The successful candidate will be expected to develop an independent, competitive research program in this field. This position has the potential to lead to an endowed chair. The department is committed to hiring and retaining an affirmative action and equal opportunity employer. The University of Arizona is an AA/EOE. Minorities and women are encouraged to apply.

**VISUAL NEUROSCIENTIST**  
ASSISTANT/ASSOCIATE PROFESSOR  
The National Eye Institute, National Institute of Health, Bethesda, MD 20892 invites applications for a tenure-track assistant or associate professor position in the area of visual neuroscience. The successful candidate will be expected to develop an independent, competitive research program in this field. This position has the potential to lead to an endowed chair. The department is committed to hiring and retaining an affirmative action and equal opportunity employer. The University of Arizona is an AA/EOE. Minorities and women are encouraged to apply.
Listed below are a few of the outstanding opportunities for conducting research that are now available with leading scientists at the National Institutes of Health.

Gene Expression and Cell Biology
Richard J. Maraia, MD
The regulation of Alu retrotransposed elements is being studied to better understand the impact of their expression on cell growth. Cloned factors which affect Alu RNA metabolism and regulation of re-initiation by RNA polymerase III are being characterized*. Experience in biochemistry and molecular biology, and less than five years postdoctoral experience, are required. Laboratory of Molecular Growth Regulation (OE-51), NICH, Building 6, Room 416.

Molecular Biology and Immunology
Michael A. Stedman, MD
Transfections using anti-sense constructs are being used to target critical growth factor receptor genes in an attempt to develop novel treatments for patients with gynecologic malignancies. Future studies will utilize molecular biological and immunological techniques to develop an animal model to explore the in vivo use of transfected tumor cells in a vaccination protocol. Applicants must have less than five years postdoctoral experience. Surgery Branch (OE-51), NCI, Building 10, Room 2842.

Molecular Cell Biology
Edward D. Korn, PhD
Actin-based cell motility is being studied with particular emphasis on the functions of myosin I and II isoforms in non-muscle cells and the regulation of actomyosin activities by heavy chain phosphorylation. Molecular biological approaches to structure-function questions have high priority. Applicants should have a strong background in molecular biology and biochemistry and less than five years postdoctoral experience. Laboratory of Cell Biology (OE-51), NHLBI, Building 3, Room B1-22.

Molecular and Cell Biology of Muscle
Robert Horovits, PhD
Large muscle proteins are being studied in order to determine their role in myofibril mechanics and assembly. Positions are available to participate in projects focusing on the molecular biology and cellular organization of the myofibrillar proteins thin and nebulin. A background in molecular and cell biology is preferred. Applicants should have less than five years of postdoctoral experience. Laboratory of Physical Biology (OE-51), NIAIMS, Building 6, Room 113.

Molecular Embryology/Morphogenesis
Yun-Bo Shi, PhD
The roles of cell-cell and cell-extracellular matrix interactions during organogenesis and tissue remodeling are being investigated. The model system is the metamorphosis of Xenopus laevis, which is controlled by thyroid hormone. Current and future studies emphasize the functions of potential morphogens and extracellular matrix-modifying metalloproteinases. Regulation of these genes during development and by thyroid hormones is also being investigated. Laboratory of Molecular Embryology (OE-51), NICH, Building 18T, Room 101.

Nuclear Structure and Cell Cycle Control
Mary Dasso, PhD
Cell cycle checkpoint controls and nuclear structure/function are being investigated in Xenopus laevis eggs and extracts. These studies focus on the RCC1 and Ran proteins, which are essential for checkpoint regulation and nuclear assembly. The goal is to understand their biochemistry and discover how they interact with other cellular components to promote interphase nuclear functions and prevent entry into mitosis during S-phase. Laboratory of Molecular Embryology (OE-51), NICH, Building 18T, Room 101.

Signal Transduction
Hua Gu, PhD
Two positions are available to study the signal transduction process in the immune system. Research focuses on in vitro animal models and takes a multidisciplinary modern biological approach, including conditional gene targeting. Applicants should have a strong background in molecular biology and/or biochemistry. Experience in gene targeting is not required. Laboratory of Immunology (OE-51), NIAID, 12441 Parklawn Drive, Room 139, Rockville, MD 20852.

Additional Postdoctoral Fellowship Opportunities
For an on-line listing of additional postdoctoral openings, you may access the NIH EDNET Bulletin Board POSTDOC conference via Internet (wlbur. cu.nih.gov) or via modem (1,3014022221 or 1,8003582221) with modern parameters set at “7,Even,1” When connected to NIH, type in “v101” for terminal emulation, “F5E” for initials, and “F5L1” for account number. The Postdoctoral Research Fellowship Opportunities catalog, which describes additional opportunities at the NIH, may be requested from the address below. An electronic version of the catalog may be accessed via the network-based (Internet) Gopher Information System. To access the NIH Gopher server, Gopher client software (available via anonymous ftp “boombox.micro.umn.edu”) must be running on your computer and configured to point to “gopher.nih.gov” and port “70”. Select Grants and Research Information to reveal the NIH Office of Education directory. Those interested in receiving information on other postdoctoral opportunities, clinical training opportunities, or accessing Gopher may contact the Office of Education, Building 10, Room IC129. Phone: 301-496-2427.

To Apply
If you hold a graduate doctoral degree (e.g., PhD, MD/PhD) or a professional degree (e.g., MD, DO, DDS, or DVM) accompanied by previous laboratory research experience, and would like to be considered for one of these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.
POSTDOCTORAL RESEARCH FELLOWSHIPS

DRUG METABOLISM/PHARMACOKINETICS
This 2 year postdoctoral position is for a Biochemist, Pharmacologist, Physiologist, or Pharmaceutical Scientist with interest in in vitro and in vivo protein metabolism/pharmacokinetics/pharmacodynamic on an industrial perspective. It requires a Ph.D. with background in protein metabolism (receptor-mediated protein endocytosis), molecular pharmacology, protein delivery, or other related areas and experience in standard techniques, such as ELISA, HPLC, electrophoresis/autoradiography, and Western blotting. Knowledge/experience of pharmacokinetics is not required, but helpful. Send resume to: PARKE-DAVIS Pharmaceutical Research, BOX LJB1089, 2800 Plymouth Road, Ann Arbor, MI 48105.

CARDIOVASCULAR THERAPEUTICS
This 2 year postdoctoral position is available immediately studying the role of cytokines, adhesion molecules, and inflammatory mediators in the vascular response(s) to injury including cellular proliferation and vascular remodeling. The research will be directed towards characterization and mechanistic work in previously established primate and rodent models of angioplasty-induced vascular injury. Particular emphasis is placed on integrative studies involving both in vitro and in vivo techniques utilizing pathologic models. Candidates should have a Ph.D. with a strong background in vascular biology; experience with electron microscopy, immunocytochemistry, molecular biology are preferred. Send resume to: PARKE-DAVIS Pharmaceutical Research, BOX DS1099, 2800 Plymouth Road, Ann Arbor, MI 48105.

WE ARE SUCCESSFUL TODAY BECAUSE WE ATTRACTED GREAT PEOPLE YESTERDAY.
And we will be successful tomorrow because of the people we attract today. Burroughs Wellcome Co. is a pharmaceutical leader for thousands of reasons — innovative and dedicated people who strive for excellence, individually and as a team. Now is your chance to become a part of a great company, and help to make a greater tomorrow.

Research Scientist III/ Research Scientist IV
The Research Scientist III will organize a research program in preclinical Anesthesiology and Critical Care Medicine and support drug discovery. The qualified candidate must be a DVM with residency or equivalent experience in anesthesiology, surgery, critical care/emergency room medicine or related specialty and experience with the use of gaseous anesthetics and analgesics in the Operating Room; OR a Ph.D. in respiratory physiology, biophysical physiology and appropriate research with gaseous and injectable anesthetics. Scientific writing assessment required. Experience with anesthesia research or research in an area of emergency medicine preferred.

The Research Scientist IV will organize a research and drug discovery program in preclinical Anesthesiology and Critical Care Medicine. The qualified candidate must be a DVM with residency or equivalent experience in anesthesiology, surgery, critical care/emergency room medicine or related specialty and experience with the use of gaseous anesthetics and analgesics in the Operating Room PLUS one year of Post Doc or one year of relevant research experience; OR a M.D. with a specialization in anesthesiology and a background in anesthesiology research in vivo PLUS one year or related experience; OR a Ph.D. in respiratory physiology, biophysical physiology and appropriate research with gaseous and injectable anesthetics and training in an associated field of biochemistry or physiology PLUS one year of related experience. Scientific writing assessment required. Experience with anesthesiology research or research in an area of emergency medicine preferred.

At Burroughs Wellcome Co., you will enjoy a compensation and benefits package that is among the best in the pharmaceutical industry, along with the advantages of being part of an innovative pharmaceutical leader. To apply, please send your resume, indicating POS. 685732-29 in your cover letter, by Tuesday, September 27, 1994, to: Burroughs Wellcome Co., Human Resources Department, 3030 Cornwallis Road, Research Triangle Park, NC 27709.

For information on other job opportunities with Burroughs Wellcome Co., call our Job Information Line at (919) 315-8347.
KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
RESEARCH INSTITUTE (KFUPM/RI) NEEDS
PHYSICAL OCEANOGRAPHERS &
MARINE BIOLOGISTS

The Research Institute of KFUPM has positions available for Marine Scientists to participate in ongoing research projects in its Water Resources and Environment Division. These projects are field oriented and involve the evaluation of impacts of oil facilities on the marine environment of the Arabian Gulf. Applicants should have a strong field orientation and the ability to write well. Experience in impact assessment preparation and project management will be helpful. The following specific positions are available; however, applicants with other backgrounds are encouraged to apply:

PHYSICAL OCEANOGRAPHERS - Ph.D. or M.S. required. Applicant should have experience in the collection and analysis of oceanographic and meteorological data. Transport modeling experience useful but emphasis will be on field data collection and its evaluation.

MARINE BIOLOGISTS - Ph.D. or M.S. required. Senior staff applicants should have experience in Benthic studies, fisheries statistics, reef fish ecology, or plankton dynamics. Other applicants with other specialties encouraged to apply. Field orientation including scuba certification required.

The University offers a competitive salary with fringe benefit package including free furnished housing; transportation allowance and annual repatriation. Send detailed resume along with copies of degrees/transcripts and a list of four references to following address:

Assistant Director, Administrative Affairs
Research Institute, KFUPM Box 5040
Dhahran 31261, Saudi Arabia

THE NATIONAL RESEARCH COUNCIL
in cooperation with the
U.S. Environmental Protection Agency
is offering
Postdoctoral and Senior Research
Associateship awards

tenable at the
EPA'S ENVIRONMENTAL RESEARCH LABORATORY, ATHENS, GA

Research opportunities are available in the areas of:
- Biodegradation of pesticides, PCBs' pentachlorophenol and cresote wastes.
- Modeling of anaerobic degradation processes in soils and sediments.
- Biodegradation of crude oils in wetland environments—process studies and modeling.
- The role of soil and plant enzymes in degradation of hazardous waste.

Associatehip awards will be offered for research to be conducted at the EPA Athens Environmental Research Laboratory. Awards include stipends that begin at $35,000 per annum for recent Ph.D. recipients and are appropriately higher for senior researchers.

For further information contact:
Maxine Kellum, U.S. EPA, Athens-ERL
960 College Station Road, Athens, GA 30605-2720
TEL: (706) 546-2231  FAX: (706) 546-3126

Applications must be submitted directly to the NRC, and are accepted on a continuous basis throughout the year. Those postmarked by January 15, 1995 will be reviewed in the February competition, by April 15 in June, and by August 15 in October.

For application materials contact:
The National Research Council
Associateship Programs (TJ 2094/EB)
2101 Constitution Avenue
Washington, DC 20418
FAX: (202) 334-2759

Wayne State University
CELL AND DEVELOPMENT BIOLOGY

The Department of Biological Sciences invites applications for four tenure track positions at the assistant, associate and full professor level. We are seeking individuals with their primary research interests in molecular analyses of signal transduction pathways, molecular genetic analysis of development, and developmental neurobiology, although all areas of cell and developmental biology will be considered. We are particularly interested in candidates who bring a broad interdisciplinary approach to their research. The department is undergoing a significant expansion and expects to be recruiting in other areas of biology in the near future.

Substantial space and start-up funds will be made available to the successful candidates. The department occupies a new seven story research building with animal rooms, greenhouses, microscopy facilities and Drosophila support facilities.

Applicants must have demonstrated excellence in research and the potential for the highest quality teaching. Candidates will be expected to establish and maintain an externally funded research program and participate in both undergraduate and graduate teaching programs. Women and minority candidates are encouraged to apply. Review of candidates will begin immediately and continue until all positions are filled.

Send curriculum vitae, a description of current and long range research plans, three representative papers and the names of four references to:

Jack Lilien
Chair, Department of Biological Sciences
Wayne State University
Detroit, MI 48202

Wayne State University is an equal opportunity/affirmative action employer.
Wayne State University - People working together to provide quality service.
UNIVERSITY OF CALIFORNIA, SANTA BARBARA
Faculty Position in Eukaryotic Cell Cycle/Growth Control

The Department of Biological Sciences and the Interdepartmental Biomedical Science (BMB) Program invite applications for a tenure-track ASSISTANT PROFESSOR position. Research expertise and interest is in eukaryotic cell cycle and growth control. The successful applicant will be expected to lead a vigorous independent research program and to participate in the programs of the Interdepartmental BMB Program and the Department of Biological Sciences. Applicants must have the Ph.D. degree, relevant postdoctoral experience, and a demonstrated record of research productivity, high-quality publication, and reprints. A brief description of previous and anticipated research, and arrange to have at least three letters of reference sent to: Director, c/o Stacie Saucoed, Interde- partmental Biochemistry-Molecular Biology Program, c/o Department of Biological Sciences, University of California, Santa Barbara, CA 93106. Application deadline is December 15, 1994, or until position is filled. University of California, Santa Barbara is an Equal Opportunity/Affirmative Action Employer.

CELL BIOLOGIST

ASSISTANT PROFESSOR/Tenure-Track.
The Department of Zoology at the University of Georgia is reorganizing as the Department of Cellular Biology. We seek a candidate to address significant problems in cell biology at the cellular/molecular level. Areas of interest include intracellular interactions, signal transduction, cell cycle regulation, cell polarity, and the organization and assembly of cellular structures. The successful candidate will be expected to develop an independent, externally funded research program, direct graduate students, and participate in teaching in our undergraduate and graduate curricula in cell biology. To apply, send curriculum vitae, description of research and teaching interests, and at least three letters of recommendation to: Wayne Hubbell, Ph.D., Chair, Search Committee, Department of Ecology, University of Georgia, Athens, GA 30602.

Applications received by November 1, 1994, are as- sured of consideration. The University of Georgia is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

TENURE-TRACK FACULTY POSITION available in Biochemistry at the rank of ASSISTANT or ASSOCIATE PROFESSOR, begin- ning 1 July 1995. We seek a candidate who will develop an active teaching and research program in macromolecular biophysical methods. This could involve the application of X-ray diffraction analysis or NMR spectroscopy to problems in this field but candidates with a background in the other physical-biological or physical-chemical techniques are also welcome. Candidates should have a Ph.D. or M.D. degree, a minimum of three years of postdoctoral experience with evidence of significant re- search accomplishments and, for appointment at the assi-ocate level, a demonstrated ability to attract extramural funding. Send curriculum vitae, a short description of research plans, and the names and telephone numbers of three references to: Dr. Marilyn S. Doscher, Chair, Search Committee, Department of Biochemistry, Wayne State University College of Medicine, 540 East Canfield Avenue, Detroit, MI 48201. Wayne State University is an Affirmative Action/Equal Opportunity Employer.

GROSS ANATOMIST

The Department of Cell Biology at the University of Alabama at Birmingham, invites applications for an ASSISTANT PROFESSOR, non-tenure-earning, to as- sume a position on the faculty beginning 1995. We seek an individual with expertise in and an interest in the field of human anatomy. Applicants should have training for and experience in teaching medical and other health professional students. Position requires a terminal degree in biologic sciences with appropriate knowledge base in human anatomy. Additional training for continued growth as well as the ability to develop an innovative teaching program will be examined. Applicants should be prepared to teach an innovative course in human anatomy. Please send curriculum vitae, names and addresses of at least three references to: Dr. Steve Osburn, Department Chair, Department of Cell Biology, University of Alabama at Birmingham, UAB Station, Birmingham, AL 35294-0005. We are an Equal Opportu- nity/Affirmative Action Employer.

FIELD BIOLeGIST, ASSIS-TANT PROFESSOR, Ph.D. required. The position will begin September 1995. The candidate is expected to teach an introductory course in botany and supervise undergraduate research projects. Other courses will depend on the candidate's expertise. Preference will be given to candidates who have a terminal degree, at least three years of teaching and research experience, and who can develop new undergraduate courses that would utilize Knox College's 800 acre field station. Facilities include a freshwater lake, a small stream, athletic fields, and restored prairie. Other de- partment facilities include an animal museum, herbarium, greenhouse, tissue culture lab, and an electron micro- scope lab. Candidates should submit a curriculum vitae along with a letter of interest to: Linda Dybas, Biology Department, Knox College, Gales- burg, IL 61401. Telephone: 309-433-0112, ext. 352. Fax: 309-433-9815. Email: Ldybas@Knox.Bitnet. This is an Affirmative Action/Equal Opportunity Employer. In keeping with the college's 15-year commitment to equal rights, Knox particularly invites applications from women and minorities.

FACULTY POSITION at the Jules Stein Eye Institute, University of California, Los Angeles. The Basic Science Divi- sion of the Department of Ophthalmology and the Jules Stein Eye Institute invites applications for a faculty position at the level of ASSISTANT PROFESSOR. The position is expected to begin fall 1995. Responsibilities include teaching, clinical, and laboratory experience and the potential to develop a large extramural research program involving undergraduate and graduate students. Candidates should have a Ph.D. or M.D. degree and be expected to develop an independent extramural funding research program that would complement the existing research programs. Applications should be accompanied by a letter of interest and curriculum vitae. Please send curriculum vitae, teaching and research statements, selected reprints and three letters of reference to: Dr. Verna Miller, Department of Biology, Davidson College, P.O. Box 1719, Dav- idson, NC 28036 October 17, 1994. Equal Opportunity/ Affirmative Action Employer.

VERTEBRATE ECOLOGIST

The Department of Biology at Davidson College invites ap- plications for a regular position in vertebrate ecology at the rank of ASSISTANT PROFESSOR, emphasizing biostatistics and evolutionary ecology. Demonstrations in in- troductory biology and upper level courses. Research program involving undergraduates expected. Appointment begins Au- gust 1, 1995. Interested persons should send their curriculum vitae, teaching and research statements, selected reprints and three letters of reference to: Professor David Davidson, Davidson College, P.O. Box 1719, Davison, NC 28036 October 17, 1994. Equal Opportunity/ Affirmative Action Employer.

UNIVERSITY OF PENNSYLVANIA

DEPARTMENT OF CHEMISTRY

The Department of Chemistry at the University of Pennsyl- vania is seeking to fill the University Library Information SYSTEMS SPECIALIST. The position will involve the develop- ment and support of computer applications and systems administration in the Department. An understanding of computational research needs and the ability to monitor and implement research software. Applications must have a Ph.D. or relevant experience and at least three years of postdoctoral experience with evidence of significant re- search accomplishments and an established ability to attract extramural funding. Please send curriculum vitae, a brief description of research interests and experience, names and addresses of three references, and copies of relevant publications to: Dr. Michael W. McAdams, Chair, Search Committee, Department of Chemistry, University of Pennsylvania, 209 South Street, Philadelphia, PA 19104-6323, on or before October 15, 1994. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

PLANT DEVELOPMENT

university of texas at austin

The Department of Botany, University of Texas, in vites applications for a tenure-track position in plant development at the ASSISTANT PROFESSOR level, to begin fall 1995. We are particularly interested in applicants whose research investigates molecular and structural aspects of plant development using geneti- cally tractable species. The successful applicant will be expected to participate in teaching undergraduate courses, ob- tain external funding, and teach graduate and undergraduate students. Applicants should send curriculum vitae, copies of recent publications, and three letters of re- commendation to: Richard B. Marchase, Ph.D., Pro- fessor and Chair, Department of Cell Biology, University of Texas at Austin, 1 University Station, UAB Station, Austin, TX 78713 by 1007, 1994. University of Texas, Austin is an Affirmative Action/Equal Opportunity Employer.

EVOLUTIONARY GENETICS/ MACROEVOLUTION

The Department of Genetics at the University of Geor- gia invites applications for a tenure-track appointment at the ASSISTANT PROFESSOR level, to begin in Sep- tember 1995. The successful candidate will be expected to develop an active research program that combines a strong commitment to research on the part of the university and a major role in the development of new courses in evolutionary genetics, macroevolu- tion, evolutionary ecology, behavioral evolution, or per- haps evolutionary systematics. Applicants should be well- qualified to teach undergraduate courses in organismal biology and evolution. Letters of application should be accompanied by a curriculum vitae, a brief statement of research and teaching interests, and selected reprints. Applications should also arrange to have three letters of recommendation sent to: Dr. John Lynch, Depar- tment of Genetics, University of Georgia, Athens, GA 30602. Applications must be postmarked by November 15, 1994. The University of Georgia is an Affirmative Action/Equal Opportunity Employer.

HUNTSMAN CANCER INSTITUTE

Raymond L. White, Ph.D., Director
Department of Cellular and Molecular Sciences
University of Utah

Two faculty positions (ASSISTANT or ASSOCIATE PROFESSOR) available in a new program emphasizing cancer research in humans in a clinical research center setting. Applicants should show demonstrated experience in the field of laboratory-based research and have developed plans to combine their laboratory projects with innovative clinical studies. Applications will be accepted until October 1, 1994, or until suitable candidates are identified. Please send a letter of interest and curriculum vitae to: James P. Knudson, M.D., Chief, Division of Developmental Therapeutics, Huntsman Cancer Institute, University of Utah School of Medicine, 50 North Medical Drive, Salt Lake City, UT 84132. The University of Utah is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

ACADEMIC POSITION

ASSISTANT PROFESSOR. The Department of Chemistry and Biochemistry of The University of Texas at Austin solicits applications for a tenure-track ASSISTANT PROFESSORship beginning Sep- tember 1996. Exceptional candidates in all areas of chem- istry/biochemistry including chemical education will be considered. Candidates with at least three years of postdoctoral experience with evidence of significant re- search accomplishments and, for appointment at the as- sociate level, a demonstrated ability to attract extramural funding. Send curriculum vitae, a short description of research plans, and the names and telephone numbers of three references to: Dr. Marilyn S. Doscher, Chair, Search Committee, Department of Biochemistry, Wayne State University College of Medicine, 540 East Canfield Avenue, Detroit, MI 48201. Wayne State University is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION in CHEMISTRY

The Chemistry Department at the University of Cali- fornia, Berkeley, solicits applications for a position as PROFFESSOR of Chemistry, beginning in the fall of 1995, pending budgetary approval. Creative and energet- ic candidates in organic chemistry with outstanding qual- ifications and sufficient experience in research and teach- ing are specifically sought. Candidates should send a cur- riculum vitae and a statement of research program to: Professor Richard Zare, Chairman, Faculty Recruiting Committee, Depart- ment of Chemistry, University of California, Berke- ley, CA 94720. The final deadline for all applications is December 1, 1994. The University of California is an Equal Opportunity/Affirmative Action Employer.

MICROBIOLOGIST. ASSISTANT PROFES- SOR, tenure-track beginning fall 1995 in department of seven persons. Ph.D. required. Strong commitment to undergraduate teaching. To teach Microbiology, Molec- ular Biology, and/or Genetics. Involvement in and participate in fresh- man Cell Biology, college-wide programs, and develop a research program involving undergraduates. Send curricu- lum vitae, statement of teaching goals, thrunging interests, and three letters of reference, and transcripts to: Dr. David Jordan, Vice President for Academic Affairs, Austin College, Sher- ton, Texas. Review of applications begins October 15, 1994. Austin College is an Affirmative Action/ Equal Opportunity Employer.
MEDICAL ONCOLOGY AND HEMATOLOGY FACULTY POSITIONS

Assistant Professor / Associate Professor / Professor
The Division of Medical Oncology and Hematology of the Department of Internal Medicine and The H. Lee Moffitt Cancer Center and Research Institute at The University of South Florida is seeking medical oncologists and hematologists (M.D. or M.D./Ph.D.) with primary interests in basic research to join the faculty in tenure-track positions at the Assistant, Associate, or Full Professor levels. All applicants must be ABIM certified in Internal Medicine and must be board-certified or board-eligible in Medical Oncology or Hematology by the time of appointment. Areas of basic research interest in which we particularly wish to recruit faculty include growth factors, growth factor receptors, signal transduction, hematopoiesis, gene regulation, gene therapy, cancer-related pharmacology, and molecular carcinogenesis.

The main base of activities of the Division of Medical Oncology and Hematology is the H. Lee Moffitt Cancer Center and Research Institute, a modern, dedicated cancer hospital with approximately 130 inpatient beds, ambulatory facilities, a large bone marrow transplant program, a high volume cancer screening program, and 50,000 square feet of new basic research laboratory space. The successful candidates will join the rapidly growing group of highly interactive and collaborative basic science investigators being built at Moffitt Cancer Center and Research Institute under the leadership of Dr. Jack Pledger, Associate Director for Basic Research.

Send curriculum vitae, a 1-2 page statement of major academic interests, current and pending grant support, and a list of at least 3 academicians who would be willing to provide references to Kenneth S. Zuckerman, M.D., Director, Division of Medical Oncology and Hematology, University of South Florida and H. Lee Moffitt Cancer Center and Research Institute. Address: Office of Faculty Recruitment, H. Lee Moffitt Cancer Center, 12902 Magnolia Drive, Tampa, FL 33612. Applicants who need a reasonable accommodation in order to participate in the selection process must notify Jody Swanson at (813) 975-7894, 48 hours in advance. Applications will remain confidential until after individual circumstances are discussed with applicants. All applications must be postmarked by October 6, 1994.

H. LEE MOFFITT CANCER CENTER & RESEARCH INSTITUTE
University of South Florida College of Medicine

National Center for Human Genome Research
National Institutes of Health
Public Health Service
Department of Health and Human Services

The National Center for Human Genome Research (NCHGR) is recruiting for four positions related to its activities in the study of the Ethical, Legal, and Social Implications (ELSI) of the Human Genome Project (HGP).

EXTRAMURAL PROGRAM

Director, ELSI Program
Directs a comprehensive ELSI grants program and supervises staff of the ELSI Branch.
Coordinates with other national and international ELSI efforts.

Program Analyst, ELSI, Working Group
Provides staff support for the ELSI Working Group and performs policy analyses related to the activities of this advisory body.

INTRAMURAL PROGRAM

Senior Policy Analyst
Conducts research on public policy issues; establishes a training program in ELSI research and participates in the training of genetics fellows, medical students and genetic counselors within the NCHGR research labs at NIH.

Medical Ethicist
Provides consultation on medical ethics problems and conducts research on ethical issues related to the delivery of human genetics services.
Participates in the training of genetics fellows, medical students, and genetic counselors within the NCHGR research labs at NIH.

Individuals who seek temporary positions (2-4 years) or longer term appointments may apply.
Representatives of ethnic or racial minority groups are particularly encouraged to apply.
Salary levels will be commensurate with experience.

Please submit resumes/curriculum vitae/or SF 171 (Application for Federal Employment) and three letters of reference to Ms. Mary Glynn, Personnel Officer, NCHGR, Bldg. 31, Rm. 3B31, NIH, Bethesda, MD 20892. Applicants for the Intramural Program should also include a statement on their research interests.

APPLICATIONS ARE DUE NOVEMBER 1, 1994

NIH IS AN EQUAL OPPORTUNITY EMPLOYER
The University of Rochester School of Medicine and Dentistry invites applications for the position of CHAIRPERSON, Department of Physiology. The Department of Physiology has particular research strengths in molecular and subcellular mechanisms in neurobiology, and in state-of-the-art systems neurophysiology. It participates in education of medical students, Ph.D. and M.D./Ph.D. students, and ongoing undergraduate and postdoctoral training efforts are also broadly involved in other graduate programs in the School of Medicine and Dentistry. Candidates for the position should have a Ph.D. and/or M.D. degree, an internationally recognized research program and records of original scholarship, demonstrated leadership ability and experience required. The Vice President for Research, reporting directly to the President, will be the senior administrative leader of research development efforts. This will involve all aspects of research program planning and implementation. In particular, the Vice President will serve a liaison and advocacy function not only with the university administration, but also with federal, foundation, and corporate research entities. The Vice President also oversees various research support services, including the Office of Grants and Contracts, which should have a doctoral degree or its equivalent, as well as established scientific and academic credentials reflecting significant expertise in the development and funding of research. Initial appointment to one of the departments within the institution is desirable, and opportunities exist for ongoing involvement in academic and research development. In the event of a candidate who should submit a curriculum vitae, a cover letter describing the candidate’s research, academic and administrative experience, and the names and addresses of three references no later than Oct. 1, 1994, to: Dr. Barry D. Goldstein, Chair of Search Committee, Medical College of Georgia, 11120 15th Street, Augusta, GA 30912-7605. The Medical College of Georgia is an Equal Opportunity/Affirmative Action Employer. Qualified women and minority candidates are encouraged to apply.

CHAIRPERSON: DEPARTMENT OF PHYSIOLOGY
UNIVERSITY OF ROCHELLE
SCHOOL OF MEDICINE & DENTISTRY

RESEARCH ASSISTANT PROFESSOR
POSITION is immediately available to study the role and efficiency of the HIV-1 long terminal repeat (LTR) and the subcellular localization of enzymes. Applicants should have a Ph.D. in chemistry or biochemistry with a minimum of three years of experience in crystallographic studies or related areas. The position requires a solid background in the fundamentals of crystallography and demonstrated ability to develop an innovative and independent research program. Send letters of interest, curriculum vitae, and names and telephone numbers of three references to: Dr. Barry D. Goldstein, Chair of Search Committee, Medical College of Georgia, 11120 15th Street, Augusta, GA 30912-7605. The Medical College of Georgia is an Equal Opportunity/Affirmative Action Employer. Qualified women and minority candidates are encouraged to apply.

The Department of Physiology at the University of Rochester School of Medicine and Dentistry is committed to the development of people and to the enhancement of diversity in our academic community. Women and minority candidates are encouraged to apply.

NEW — NONPROFIT ORGANIZATION
EXECUTIVE DIRECTOR
Bird Conservation Alliance

The Department of Molecular and Human Genetics, the College of Medicine and the School of Public Health at the University of Texas Health Science Center at Houston (UTHealth) announces the availability of the position of CHAIRPERSON, Department of Physiology. The Department of Physiology has particular research strengths in molecular and subcellular mechanisms in neurobiology, and in state-of-the-art systems neurophysiology. It participates in education of medical students, Ph.D. and M.D./Ph.D. students, and ongoing undergraduate and postdoctoral training efforts are also broadly involved in other graduate programs in the School of Medicine and Dentistry. Candidates for the position should have a Ph.D. and/or M.D. degree, an internationally recognized research program and records of original scholarship, demonstrated leadership ability and experience required. The Vice President for Research, reporting directly to the President, will be the senior administrative leader of research development efforts. This will involve all aspects of research program planning and implementation. In particular, the Vice President will serve a liaison and advocacy function not only with the university administration, but also with federal, foundation, and corporate research entities. The Vice President also oversees various research support services, including the Office of Grants and Contracts, which should have a doctoral degree or its equivalent, as well as established scientific and academic credentials reflecting significant expertise in the development and funding of research. Initial appointment to one of the departments within the institution is desirable, and opportunities exist for ongoing involvement in academic and research development. In the event of a candidate who should submit a curriculum vitae, a cover letter describing the candidate’s research, academic and administrative experience, and the names and addresses of three references no later than Oct. 1, 1994, to: Dr. Barry D. Goldstein, Chair of Search Committee, Medical College of Georgia, 11120 15th Street, Augusta, GA 30912-7605. The Medical College of Georgia is an Equal Opportunity/Affirmative Action Employer. Qualified women and minority candidates are encouraged to apply.

ANIMAL SYSTEMS DIVISION DIRECTOR
National Research Initiative
Competitive Grants Program

The National Research Initiative Competitive Grants Program, U.S. Department of Agriculture, is seeking an ADMINISTRATOR for the Animal Systems Division. Candidates must have a Ph.D. or other degree with major study in animal science, veterinary medicine, agricultural science related to the disciplines within the Division. In addition, the candidate must have strong demonstrated abilities in administration. Closing date is November 7, 1994. For further information contact: Dr. Sally Rockey, NRI/CGP, Ag Box 2241, Washington, DC 20250-2241. Telephone: 202-401-9816. Fax: 202-401-9817. Electronic mail: kites@agserv.usda.gov. Equal opportunity employer.

PROJECT MANAGER
Office of Rural Development
U.S. Department of Agriculture

The U.S. Department of Agriculture invites applications for the position of PROJECT MANAGER in its Office of Rural Development. This is a full-time, long-term appointment. The Project Manager will oversee, direct, and coordinate programs and projects involving the integration of rural development with farm and ranch management education. The Project Manager will work closely with agriculture, conservation, and economic development agencies and organizations in the Mountain West region. Responsibilities include setting project and program goals; planning, organizing, and monitoring the execution of projects; providing technical assistance and support; facilitating relationships; managing financial resources; and developing and implementing monitoring and evaluation systems. Experience and qualifications will include: a B.S. degree in agriculture, rural development, business administration, or a closely related field; five years of professional experience in a related field; and excellent interpersonal and communications skills. The Project Manager will be located in Bozeman, Montana. Salary range: $32,000-$40,000. Application deadline: October 15, 1994. For more information contact: Cheryl J. Jackson, Director, Division of Rural Development, 1420 L Street, NW, Suite 600, Washington, DC 20250-1416. Telephone: 202-424-3680. Fax: 202-424-2775. Equal opportunity employer.

The University of Texas Health Science Center at Houston (UTHealth) announces the availability of the position of CHAIRPERSON, Department of Physiology. The Department of Physiology has particular research strengths in molecular and subcellular mechanisms in neurobiology, and in state-of-the-art systems neurophysiology. It participates in education of medical students, Ph.D. and M.D./Ph.D. students, and ongoing undergraduate and postdoctoral training efforts are also broadly involved in other graduate programs in the School of Medicine and Dentistry. Candidates for the position should have a Ph.D. and/or M.D. degree, an internationally recognized research program and records of original scholarship, demonstrated leadership ability and experience required. The Vice President for Research, reporting directly to the President, will be the senior administrative leader of research development efforts. This will involve all aspects of research program planning and implementation. In particular, the Vice President will serve a liaison and advocacy function not only with the university administration, but also with federal, foundation, and corporate research entities. The Vice President also oversees various research support services, including the Office of Grants and Contracts, which should have a doctoral degree or its equivalent, as well as established scientific and academic credentials reflecting significant expertise in the development and funding of research. Initial appointment to one of the departments within the institution is desirable, and opportunities exist for ongoing involvement in academic and research development. In the event of a candidate who should submit a curriculum vitae, a cover letter describing the candidate’s research, academic and administrative experience, and the names and addresses of three references no later than Oct. 1, 1994, to: Dr. Barry D. Goldstein, Chair of Search Committee, Medical College of Georgia, 11120 15th Street, Augusta, GA 30912-7605. The Medical College of Georgia is an Equal Opportunity/Affirmative Action Employer. Qualified women and minority candidates are encouraged to apply.

The University of Texas Health Science Center at Houston (UTHealth) is an equal opportunity/affirmative action employer committed to diversity in the workplace and encourages applications from women and minorities.

JOHN S. GAMMILL ENDED CHAIR IN POLYCYSTIC KIDNEY DISEASE COLLEGE OF MEDICINE UNIVERSITY OF OKLAHOMA

The primary responsibility of the CHAIR occupant will be to contribute to polycystic kidney disease research with publications in peer-reviewed journals in basic science (genetics, structural/cell biology, biochemistry, bio-physics), nephrology, and other related fields. Candidates will: have a current research program funded from a national agency; be an outstanding teacher and mentor; have graduate student and postdoctoral fellowship/mentoring experience; be expected to interact substantively in the area of his/hers research at national/international meetings and through collaboration; have at least five years of postdoctoral experience in polycystic kidney disease research or related fields. Salary/rank will be commensurate with qualifications; tenure-track. Applications will be accepted until February 28, 1995. Submit a current curriculum vitae to: Camilla Schumacher, Assistant to the Search Committee, University of Oklahoma College of Medicine, Office of the Dean, Room 367BMS, P.O. Box 26901, Oklahoma City, OK 73190.

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

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POSTDOCTORAL POSITIONS IN MOLECULAR NEUROBIOLOGY OF C. elegans

At least 2 postdoctoral positions with guaranteed salary support are available immediately to study synaptic vesicle function and neurotransmitter release in C. elegans. Projects emphasize the use of molecular, genetic, and immunocytochemical techniques; for recent publications, see Science 261:617 (1993) and Cell 73:1291 (1993). Applicants with experience in molecular biology, biochemistry, and/or cell biology are urged to apply. These positions provide an ideal opportunity for individuals wishing to combine molecular neurobiology with the experimental advantages of a powerful genetic/molecular biological system. Please send letter and curriculum vitae, or call (405) 271-7681; fax (405) 271-3153; email randj@omrf.ukhs.edu

James B. Rand, Ph.D.
Program in Molecular and Cell Biology
Oklahoma Medical Research Foundation
825 N.E. 13th Street
Oklahoma City, OK 73104

EOE/Affirmative Action Employer. OMRF encourages women and minorities to apply.

PROFESSOR AND CHAIR
DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE
BROWN UNIVERSITY

Brown University is seeking an outstanding physician-scientist to serve as Professor and Chair in the department of Pathology and Laboratory Medicine at the Brown University School of Medicine. The individual we seek is expected to lead a multi-institutional Department and to foster the professional and scholarly growth of its faculty. The incumbent will have overall responsibility for undergraduate, graduate and postgraduate educational programs of the Department and will be expected to promote research programs of appropriate breadth and depth for a university department of national stature. Applicants, who must possess an M.D. degree or its equivalent, are expected to have attained national and international stature in the field of Pathology and Laboratory Medicine, to demonstrate a record of excellence in scholarly research, clinical service and academic administration, and to have had at least five years’ experience in a position of senior responsibility at an academic medical center. Applicants must possess a full and unrestricted license to practice medicine in the State of Rhode Island, or be licensed in another jurisdiction and be eligible for licensure in Rhode Island.

Interested individuals should send a letter of application and a current curriculum vitae by November 1, 1994 to Dr. James T. McIlwain, Chair, Pathology Committee, Brown University, Box G-M2, Providence, RI 02912. Brown University is an equal opportunity/affirmative action employer and actively solicits applications from qualified minorities and protected groups.
POSITIONS OPEN
DEAN
SCHOOL OF SCIENCE AND ENGINEERING TECHNOLOGY
The University of Southern Indiana invites nominations and applications for a Dean of the School of Science and Engineering Technology. The position is available January 2, 1995. The Dean of the School of Science and Engineering Technology is the chief academic and administrative officer of the School which includes the departments of Biology, Chemistry, Engineering Technology, Geosciences, and Mathematics. Requirements include: clude and turn around time for an accredited institution in a discipline within the School; a demonstrated record of teaching and scholarly accomplishments that will support appointment at advanced rank with tenure; experience in, and commitment to, graduate education and graduate programs; budget/planning/budget management experience with successful external fundraising; ability to work with University faculty to encourage cooperation and collaboration among diverse disciplines; and a commitment to understanding and responding to community needs and interests. Letters of application are requested by Oc- tober 14, 1994, but accepted until position is filled. Can- didates should submit letter of application, résumé, and the names/adresses of three professional references to: Dr. Robert L. Reid, President for Academic Affairs, University of Southern Indiana, 8600 Univer- sity Boulevard, Evansville, IN 47712. Call 812-464- 1864 for additional information. Women and minorities are encouraged to apply. Affirmative Action/Equal Opportunity Employee.

JUNIOR FACULTY; Harvard Medical School, Department of Chemistry and Molecular Pharmacology (BCMP)
The Department of Biological Chemistry and Molecular Pharmacology invites applications for one tenure-track position at the JUNIOR FACULTY level. We seek candidates with a strong background in structural biology with focus on NMR spectroscopy on RNA, nucleic acid/protein interactions, and aspects of RNA function. Applicants should submit by October 15, 1994, curricu- lum vitae, bibliography, statement of research plans and arrange for four letters of recommendation to be sent to: Professor Gerhard Wagner, BCMP, Harvard Medical School, 240 Longwood Avenue, CL-213, Boston, MA 02115. Harvard University is an Equal Opportunity/Affirmative Action Employer and encourages the applications of qualified women and minorities.

FACULTY POSITIONS IN IMMUNOLOGY DUKE UNIVERSITY MEDICAL CENTER
The Department of Immunology invites applications for junior and senior faculty positions. Candidates working in the research areas of lymphocyte biology and lymphocyte development are encouraged to apply.

Interested individuals should send a curriculum vitae, a statement of research interests, and the names of three references by December 1, 1994, to: Dr. Thomas F. Tedder, Department of Immunology, P.O. Box 3010, Duke University Medical Center, Durham, NC 27710.

Duke University Medical Center is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
POSTDOCTORAL POSITION available immediately to investigate the function and mechanism of activa- tion of the NF-kB/Rel transcription factors. Studies will focus on the identiﬁcation of protein kinases/phosphatases and proteases involved in the modulation and degra- dation of IκBα, a major cytoplasmic inhibitor of NF-kB. Useful references are: Science, 259:1912 (1993) and Proc. Natl. Acad. Sci. U.S.A., 91:1346 (1994). Experience in molecular biology is required. Please send curriculum vi- te, brief statement of research experience, and the names and telephone numbers of three references to: Dr. Shao- Cong Sun, Department of Microbiology and Immuno- lology, The Milton S. Hershey Medical Center, The Pennsylvania State University College of Medicine, P.O. Box 850, BMB Building, Room G5804, Her- shler, PA 17033. FAX: 717-531-6522. We are an Equal Opportunity/Affirmative Action Employer and encourage minority and female applicants to apply.

HARVARD/POSTDOCTORAL POSITIONS are available in a laboratory with state-of-the-art equipment to study molecular mechanisms of atherothrombosis and by- pass surgery with emphasis on transcriptional regu- lation and biological function of genes important for growth and differentiation of vascular endothelial and smooth muscle cells (endothelin, HB-EGF, NO-, and a recently cloned novel gene). Experience with molecular biology or protein chemistry is required. Please send cur- riculum vitae, statement of interest, and the names and telephone numbers of three references to: Dr. M.E. Moser, M.D., Ph.D., Cardiovascular Biology Laboratory, Building 2, Room 129B, Harvard School of Public Health, 677 Huntington Avenue, Boston, MA 02115.

POSTDOCTORAL FELLOW Position available immediately to study gene regulation of mammalian glu- namine dehydrogenase. Experience in molecular biology and protein chemistry is required. Send curriculum vitae and three references to: Dr. A. Plaﬁakis, Department of Neurology, Box 1137, Mount Sinai Medical Center, One Gustave L. Levy Place, New York, NY 10029. Telephone: 212-241-7310; FAX: 212-348-1310.

POSTDOCTORAL POSITION-Vascular Biology
POSITION AVAILABLE to study the role of growth factors, receptor modulation on vascular smooth muscle growth and cell migration dependent processes. Both projects require a firm knowledge of cell biology and state-of-the-art skills in molecular biology and cloning would be an advantage. One project would require knowledge of proteoglycans. Send curriculum vi- te, statement of research interests, and the names of three references to: Dr. D.R. Kearns, Department of Pathology SJ-60, University of Washington, Seattle, WA 98195.

POSTDOCTORAL POSITION: a two-year posi- tion is now available to study a) the regulation of ion transporters in Sacch. cerevisiae (GenBank Accession No. Y11423) and b) ion transporter genes from yeast and higher eu- karyotes. A Ph.D. in biochemistry, molecular biology or related field is required. Send curriculum vitae and the names of three references by October 15, 1994, to: Dr. David Eide, Department of Biochemistry and Mole- cular Biology, University of Minnesota-Duluth, Duluth, MN 55812. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITIONS TUMOR SUPPRESSORS and CELL CYCLE
POSTDOCTORAL POSITIONS are available at Thomas Jefferson University interested in cell cycle control, oncopgenes and tumor suppression. These positions will focus on the role of DNA tumor virus mediated effects in normal and malignant cell cycle control and differentiation, with a major empha- sis on the adenovirus associated proteins, including the retinoblastoma protein family, cyclins, CDKs and its in- hibitors. Candidates should have a strong research back- ground in transcription systems, molecular biology or biochemistry. Training grant requires permanent residen- cy. Qualified applicants should forward curriculum vitae, description of research experience, and names, addresses, and the number of three references to: Anto- nio Cristofani, M.D., Ph.D., Institute of Cancer Re- search and Molecular Medicine, Jefferson Cancer In- stitute, Thomas Jefferson University, 1020 Locust Street, Room 490, Philadelphia, PA 19107-6799. We are an Equal Opportunity Employer committed to a smoke-free environment.

POSTDOCTORAL POSITIONS (two) open for re- cent Ph.D.s to study the molecular mechanisms of adren- ald receptor mediated signal transduction processes in the state-of-the-art facilities of The Unit of Regulator and Molecular Biology. Candidates with experience in, one or more of the areas of biochemistry, molecular biology and pharmacology are encouraged to apply. Send curricu- lum vitae and two letters of recommendation to: Dr. K. Sharma, Ph.D., The Unit of Regula- tor and Molecular Biology, University of Minnesota College of Optometry, 1200 West Godfrey Avenue, Philadel- phia, PA 19141, Equal Opportunity Employer. Male/Female/ Disabled/Veterans

POSTDOCTORAL POSITION
This position will investigate viral hepatitis and liver cancer. Experience in molecular biology or cellular immu- nology is preferred. Qualified applicants should send curriculum vitae and three professional letters of references to: Uni- versity of Texas Medical Branch, Department of Pa- thology, Attention: Dr. Chiako Shih, Galveston, TX 77555-0605.

University of Texas Medical Branch (UTMB) is an Equal Opportunity/Affirmative Action Employer/Male/Female/Dis- abled/Veterans. UTMB has only individuals authorized to work in the United States.

POSTDOCTORAL POSITION: Protein and DNA NMR Spectroscopy available now using NMR spectro- copy to study three-dimensional structures of proteins and DNA. Uses 500 MHz spectrometer and Silicon nitride NMR samples. For data analysis see: (1) Schwalbe, computer for data analysis. Send curriculum vitae and three references to: Dr. D.R. Kearns, Department of Pathology 0343, University of California, San Diego, La Jolla, CA 92039. FAX: 619-534-0202.

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SCIENTISTS

The mission of Human Genome Sciences is to identify and develop drugs and diagnostic products based on its leadership in the discovery and expression of novel genes from human and animal genomes. HGS has openings in the following areas:

CHEMICAL/BIOCHEMICAL ENGINEERS AND BIOCHEMISTS

The Protein Expression group has several openings for highly motivated individuals to participate in our research program directed toward expression and characterization of novel protein therapeutic agents. Interested individuals should have experience with bioreactor scale-up from mammalian and bacterial cell systems, cell separation, ultra filtration and process validation. Preference will be given to candidates with industrial experience and knowledge of GMP. We are also seeking qualified biochemists with industrial experience in protein isolation and characterization. Familiarity with HPLC and FPLC is required.

MOLECULAR CELL BIOLOGY

The successful candidates will join an active team of investigators in the discovery of novel protein therapeutics identified through our high throughput gene isolation and analysis program. We are seeking highly motivated MD or PhD-level scientists with broad based biochemical and molecular biology skills applied towards hematopoietic growth factor-receptor interactions, cancer immunology or vascular and endothelial cell function.

BIOINFORMATICS

Several positions exist for MS and PhD-level scientists with advanced computer skills in the areas of genetics, protein structure, or DNA and protein sequence database management. Candidates should have in-depth knowledge of genetic analysis techniques, database management systems and software engineering methods. Programming skill in Unix and Macintosh platforms is required. These positions work closely with HGS's scientific staff to develop new tools for discovering genes, understanding gene expression patterns, characterizing proteins, and managing lab operations.

HGS is located in Rockville, Maryland, a region of intense scientific and biotechnological activity. The company encourages the pursuit of academic excellence and offers a comprehensive benefits package including medical/dental insurance, 401(k) and tuition reimbursement. For immediate consideration, please send your resume to Human Resource Department, Human Genome Sciences, Inc., 9620 Medical Center Drive, #300, Rockville, MD 20850. An Equal Opportunity Employer.

A DYNAMIC MISSION

At the Glaxo Inc. Research Institute, Our Priority Is Progress.

Glaxo Inc., one of the largest pharmaceutical companies in the world, has an established record of developing the highest quality prescription medicines for unmet patient needs. Located in Research Triangle Park, NC, the Glaxo Inc. Research Institute is a premier facility which provides a stimulating environment for scientists working in all aspects of discovery and development. We invite you to join us today in the following opening.

RESEARCH COMPUTING CONSULTANT

Linkage Analysis/Genetic Mapping

The selected individual will perform linkage analysis and genetic mapping in support of our Human Genetics Initiative. While using statistical analysis and other research techniques, major duties will include: identifying chromosomal loci linked to complex diseases; developing new approaches and innovative algorithms for linkage analysis which can be directly applied and evaluated in genetics research; and assisting in the creation of databases for experimental results and data interpretation.

This position requires a Ph.D. in Biology or relevant area, with a minimum of 1 year experience performing linkage analysis and genetic mapping. Familiarity with principles of genetic linkage analysis and innovative problem solving approaches is required, as is knowledge of the design of computerized databases. Good managerial and communication skills are required.

Glaxo offers an attractive compensation and benefits package that features a matching savings plan, an on-site fitness center and much more. Research Triangle Park, NC offers an academically enriched quality of life complete with a host of cultural and recreational advantages. For confidential consideration, send your resume which must include position title and salary history to: Human Resources Department, Job # ASC455001, Glaxo Inc., P.O. Box 13398, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, Please.) An Equal Opportunity Employer M/F/D/V.

Glaxo Inc.
The Time For Achievement Is Now
POSTDOCTORAL FELLOWSHIP IN MOLECULAR BIOLOGY
The Research Institute, Mayo Clinic, has openings for postdoctoral candidates in the laboratories of Dr. Todd Castoe, Dr. Lisa Shively, and Dr. Mark Saltiel. Research will include studies of the biology of lipids, genes, and cellular metabolism.

Send applications to: Dr. Lisa Shively, Mayo Clinic, Box 225, Rochester, MN 55905. Fax: 507-284-3386.

POSTDOCTORAL Positions in Neuroimmunology
The Department of Neuroimmunology at the Mayo Clinic is seeking postdoctoral fellows to study the role of the innate immune system in the pathogenesis of autoimmune and neurodegenerative diseases. Research will focus on the interplay between innate immune cells and the central nervous system. Applicants should have a Ph.D. or M.D. and experience in neuroimmunology. Please send a CV and letter of interest to: Dr. Paul J. Hartung, Mayo Clinic, Box 203, Rochester, MN 55905. Fax: 507-284-3386.

POSTDOCTORAL FELLOWSHIP IN TRANSPLANTATION BIOLOGY
The Postgraduate Program in Transplantation Biology at the University of California, San Francisco, is seeking postdoctoral fellows to study the molecular and cellular mechanisms underlying transplantation rejection. Applicants should have a Ph.D. or M.D. and experience in transplantation biology. Please send a CV and letter of interest to: Dr. James A. Belzer, University of California, San Francisco, CA 94143. Fax: 415-476-4644.

POSTDOCTORAL FELLOWSHIPS IN IMMUNOBIOLOGY
The Department of Immunobiology at the University of California, San Francisco, is seeking postdoctoral fellows to study the role of the innate immune system in the pathogenesis of autoimmune and neurodegenerative diseases. Research will focus on the interplay between innate immune cells and the central nervous system. Applicants should have a Ph.D. or M.D. and experience in neuroimmunology. Please send a CV and letter of interest to: Dr. Paul J. Hartung, Mayo Clinic, Box 203, Rochester, MN 55905. Fax: 507-284-3386.

POSTDOCTORAL RESEARCH FELLOWSHIPS IN HEMATOLOGY/MEDICAL ONCOLOGY
The Leukemia Research Unit, Mayo Clinic, has openings for postdoctoral candidates in the laboratories of Dr. Robert E. Ochs and Dr. John F. C. C. van der Groep. Research will include studies of the biology of leukemia and lymphoma. Applicants should have a Ph.D. or M.D. and experience in hematology/molecular biology. Please send a CV and letter of interest to: Dr. Robert E. Ochs, Mayo Clinic, Box 225, Rochester, MN 55905. Fax: 507-284-3386.

POSTDOCTORAL FELLOWSHIP IN CELLCYCLE MECHANISMS
The Cell Cycle Laboratory, Mayo Clinic, is seeking a postdoctoral fellow to study the role of the innate immune system in the pathogenesis of autoimmune and neurodegenerative diseases. Research will focus on the interplay between innate immune cells and the central nervous system. Applicants should have a Ph.D. or M.D. and experience in neuroimmunology. Please send a CV and letter of interest to: Dr. Paul J. Hartung, Mayo Clinic, Box 203, Rochester, MN 55905. Fax: 507-284-3386.

POSTDOCTORAL RESEARCH FELLOWSHIPS IN IMMUNOBIOLOGY
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POSTDOCTORAL FELLOWSHIPS IN VASCULAR BIOLOGY
The Department of Vascular Biology at the Mayo Clinic is seeking postdoctoral fellows to study the role of the innate immune system in the pathogenesis of autoimmune and neurodegenerative diseases. Research will focus on the interplay between innate immune cells and the central nervous system. Applicants should have a Ph.D. or M.D. and experience in neuroimmunology. Please send a CV and letter of interest to: Dr. Paul J. Hartung, Mayo Clinic, Box 203, Rochester, MN 55905. Fax: 507-284-3386.

POSTDOCTORAL FELLOWSHIPS IN NEUROLOGY
The Department of Neurology at the Mayo Clinic is seeking postdoctoral fellows to study the role of the innate immune system in the pathogenesis of autoimmune and neurodegenerative diseases. Research will focus on the interplay between innate immune cells and the central nervous system. Applicants should have a Ph.D. or M.D. and experience in neuroimmunology. Please send a CV and letter of interest to: Dr. Paul J. Hartung, Mayo Clinic, Box 203, Rochester, MN 55905. Fax: 507-284-3386.

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NEW RESEARCH INITIATIVE

GENE THERAPY--RESEARCH HEAD

Hoffmann-La Roche is an established leader in the pharmaceutical and health care industry with a strong commitment to biotechnology and drug discovery research. We encourage an atmosphere which rewards intellectual freedom, innovation and self-motivation.

As part of Roche’s commitment to developing innovative drugs, we are forming a new research initiative in Gene Therapy. The group will eventually comprise about 20 scientists dedicated to fulfilling the promise of this new drug modality. Initial research efforts will focus on novel delivery/expression systems, especially with regards to specificity and selectivity. The Gene Therapy group will be part of the Biotechnology Department in Preclinical Research, and will work with the broad range of scientists in transgenic animal, mammalian cell culture, molecular biology, protein biochemistry and analysis research. Additional collaborations are encouraged with scientists in the therapeutic area departments of Inflammation/Autoimmune Diseases, Oncology, and Metabolic Diseases.

The successful candidate for Research Head would assist in program selection and staff recruitment, and would be responsible for the scientific direction of the group. Requirements include a Ph.D. or M.D. and post-doctoral experience in Molecular or Cellular Biology or related discipline and experience as an independent researcher. Expertise in a research area that directly impacts on gene therapy is critical (e.g., vector development, molecular virology, DNA delivery systems, tissue-specific gene expression, etc.). Demonstrated ability to build a research program and direct scientists is highly desirable.

We offer a competitive salary and a comprehensive benefits package. To apply, send c.v. with present salary to: Ms. Eleanor Malone, Staffing Department EM024MG, Hoffmann-La Roche Inc., Nutley, New Jersey 07110-1199. We are an equal opportunity employer.

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MOLECULAR MEDICINE AND GENETICS

ASSOCIATE AND FULL PROFESSOR—The Center for Molecular Medicine and Genetics is expanding its research and training programs. Applications are invited for tenured/tenure-track faculty positions at the associate professor or full professor level. Excellent research laboratories and support facilities are located in the School of Medicine, which is part of one of the largest medical centers in the United States. Candidates should be established, independent investigators with outstanding research and training accomplishments and should have demonstrated ability to obtain extramural research funding. Although all research areas will be considered, candidates with expertise in eukaryotic molecular, cellular or developmental genetics, human genetic diseases or their animal models, human or model organism genome analysis, or gene therapy are especially encouraged to apply. Applicants should send complete curriculum vitae, a brief description of current and future research interests (3–4 pages), a bibliography and reprints of significant publications, and recommendations from at least three references by November 1, 1994 to:

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

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

Wayne State University—People working together to provide quality service

POSTDOCTORAL POSITION

A senior postdoctoral position is available in the Microbiology Section, Laboratory of Molecular Oncology, Biological Carcinogenesis Program, Division of Cancer Etiology, National Cancer Institute, National Institutes of Health, Public Health Service. The position involves the study of a neuropathogenic and endothelial cell tropic murine retrovirus and the mechanism of its neuropathogenicity. Additionally, the project involves the identification, at the molecular level, of the viral and host factors that confer endothelial cell tropism to the virus and application of the virus to an animal model for endothelial cell-targeted gene therapy for cancer. Work in progress has demonstrated a possibility of a unique virus-receptor interaction on capillary endothelial cells.

The program is looking for an individual with 5 or more years’ experience working with murine retroviruses, who has extensive skills in recombinant DNA techniques and mammalian cell culture, imaging establishment of capillary and endothelial cell lines. Knowledge of retrovirology, oncology, neurology, and endothelial cell physiology is required. Application for U.S. Public Health Service postdoctoral positions are limited to individuals with U.S. citizenship or U.S. permanent residency status. Salary range: $35,000–$40,000. Submit curriculum vitae and three letters of recommendation within 30 days of the date of the publication to: Dr. James Lautenberger or Dr. Sandra K. Ruscetti, Laboratory of Molecular Oncology, NCI-FCRDC, Bldg. 469, Frederick, MD 21702–1201 (telephone: 301-846-5740).

The National Institutes of Health is an equal opportunity employer.
POSTDOCTORAL RESEARCH ASSOCIATE in Biophysics: study structure function relationships in receptor channels. Design, implementation and interpretation of experiments using patch-clamp electrophysiology, quantitative single channel kinetic analysis and site-directed mutagenesis. Collection and analysis of data. Requires Ph.D. in Biophysics, Pharmacology, or Physiology and two years of postdoctoral training in electrophysiology including quantitative data analysis of ion channels. Monday to Friday, 37.5 hours per week, 8:30 a.m.–5:00 p.m.; $23,000 per year. Send resume in duplicate to: Marcia Johnson, NYS Dept. of Agriculture, 284 Main Street, Buffalo, NY 14202. Specify Job Order #0703105. Equal Opportunity/Affirmative Action Employer.

JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE

POSTDOCTORAL POSITIONS are available immediately to study mechanisms of cytotoxicity mediated by heat shock proteins and gene regulation of junctional proteins. Candidates should have experience in molecular and/or cell biology. Competitive salary based on experience. Send curriculum vitae along with names and telephone numbers of three references to: Antonio De Maio, Ph.D., Division of Pediatric Surgery, 600 North Wolfe Street, Suite 6-125, Baltimore, MD 21287-3716. FAX: 410-550-5314. Email: ademaiowelch@jhu.edu.

POSTDOCTORAL position available immediately in an immunology group studying the biology of pulmonary resident T lymphocytes. The research of the successful candidate will concentrate on the reactivity of pulmonary $\delta$ and $\gamma$ T cells to mycobacterial and parasite antigens and its effects on local immunity and on protection against respiratory disease. Experience in cellular immunology and/or molecular biology is desirable. Send curriculum vitae and names of three references to: Dr. Andrei Augustin, Division of Basic Immunology, National Jewish Center for Immunology and Research, 1400 Jackson Street, Denver, CO 80206.

IMMUNOLOGY

Two POSTDOCTORAL FELLOW POSITIONS are available to study signal transduction process in the immune system. Research focuses on in vivo animal models, and takes a multidisciplinary approach to modern biological techniques, including conditional gene targeting. Applicants should have a strong background in molecular biology and/or biochemistry. Experience in writing grants is not required. Please send curriculum vitae and three letters of reference to: Dr. Hua Gu, Laboratory of Immunology, NIAID, Room 139, 12441 Parklawn Drive, Rockville, MD 20852. Phone: 301-480-2618. NIH is an Equal Opportunity Employer.

POSTDOCTORAL position available to study the mechanisms regulating differentiation of growth hormone-secreting cells during chicken embryonic development. This project will involve both immunohistochemical and cellular techniques and a background in endocrinology is preferred. Send curriculum vitae, description of previous research experience and names of three references to: Dr. Tom E. Porter, Department of Poultry Science, Texas A&M University, College Station, TX 77843-4272.

POSTDOCTORAL position available to study the biochemistry and regulation of mRNA 3' processing and RNA polymerase II transcription termination. Experience in molecular biology and protein purification preferred. Send curriculum vitae and three letters of reference to: Dr. Gregory Gilmartin, Department of Microbiology and Molecular Genetics, University of Pennsylvania, Philadelphia, PA 19104-0565. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH POSITIONS available to study molecular mechanisms of cornalin inflammation and wound healing, with special focus on protein tyrosine kinases and signal transduction. Ph.D. degree and three years of growth factors. Candidates must have a doctorate degree and experience in biochemical and molecular biology techniques. Experience in molecular biology or chemistry is desirable. Position available in early 1995 for up to three years. Send curriculum vitae and names of three references to: Dr. Haydee E. B. Bazan, Louisiana State University Eye Center, 3820 Gravier Street, Suite B, New Orleans, LA 70112.

POSTDOCTORAL RESEARCH POSITION in p53-Dependent Stem Cell Regulation

POSITION available immediately for recent graduates trained in biochemistry, cellular and molecular biology. University of Maryland Medical School investigators investigating the regulation of stem cell division by the antioncogene via a guanine nucleotide-dependent mechanism. Interest- ed candidates should submit a letter of interest and three references to: James L. Sherry, M.D., Ph.D., c/o Human Resources Department-MAS, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study somatostatin biology. The successful candidate will utilize electro- physiological techniques to be used to evaluate changes in functional properties of spinal and supraspinal neurons after injury. Research is part of a multidisciplinary effort to develop new strategies to improve function after spinal injury. Prior experience with extracellular recording techni- ques applied to spinal neurons is desired. Send curricu- lum vitae and three letters of reference to: Dr. R. P. YEZERSKI, The Miami Project to Cure Paralysis, 1600 N.W. 10 Avenue, R-48, Miami, FL 33136. The Miami Project is an Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study the molecular basis of cytokine actions. The successful candidate will concentrate on the reactivity of pulmonary $\delta$ and $\gamma$ T cells to mycobacterial and parasite antigens and its effects on local immunity and on protection against respiratory disease. Experience in cellular immunology and/or molecular biology is desirable. Send curriculum vitae and names of three references to: Dr. Andrei Augustin, Division of Basic Immunology, National Jewish Center for Immunology and Research, 1400 Jackson Street, Denver, CO 80206.

AQUATIC/WATERSHED ECOLOGIST.

The Academy of Natural Sciences of Philadelphia has an immediate opening in the Patrick Center for Aquatic Ecol- ogy Research, for a two-year postdoctoral research position in freshwater ecology.

Expertise in nutrient dynamics (including transport at a watershed scale) and experiences with approaches to the study of aquatic systems. Desirable, and/ or cell biology is desirable. Send curriculum vitae and names of three references to: Dr. Tom E. Porter, Department of Poultry Science, Texas A&M University, College Station, TX 77843-4272.

RESEARCH ASSOCIATE

A RESEARCH ASSOCIATE POSITION at South- ern University Baton Rouge in the Research Centers in Minority Institution Program. The position requires at least a M.S. degree in the Biological Sciences, Biochem- istry or Microbiology. However, preference will be given to applicants who hold the Ph.D. degree and have experience in protein purification and characterization, or in other techniques that are applicable to the position. Sal- ary and benefits are negotiable. Applications are encouraged to apply. Contact: Dr. C. T. Johnson, Department of Biological Sciences, Southern University, Baton Rouge, LA 70813.

RESEARCH ASSOCIATE UNIVERSITY OF MARYLAND

Available immediately to study the cellular and molecular basis of the cytotoxic effects of iron deprivation and application to cancer therapy. Non-tenure academic rank. Ph.D. and two years of experience in molecular and cell biology required; ability to work with a team and supervise others desirable. Send curriculum vitae and three letters of reference to: Dr. Gary N. Frants, M.D., Director, Division of Hematology/Oncology, Department of Pediatrics, School of Medicine, Uni- versity of Maryland, Box 125, 22 South Greene Street, Baltimore, MD 21201. Although the University of Maryland is an Affirmative Action/Equal Employment Opportunity/ADA Employer.

CHEMICAL/BIOENGINEER to di- rect research efforts for the intravenous membrane oxygenator development program at the University of Pittsburg. Experience of three years of experience working in biomedical product development is preferred, with expertise in membrane oxygenator tech- nology. Submit letter of application with salary requirements, curriculum vitae, and list of references to: Madeline C. Cindrich, University of Pittsburgh, 5753, P.O. Box 15213, Pittsburgh, PA 15213. The University of Pittsburgh is an Affirmative Action/Equal Employment Opportunity Employer.
The Department of Genetics invites applicants for the position of Assistant/Associate Professor with the Howard Hughes Medical Institute. Genetics Unit located within the Department. This position offers very significant scholarly and scientific resources as well as the opportunity to teach medical students and fellows with strong interests in genetics research.

Applicants should submit, as soon as possible, but prior to October 31st, curriculum vitae, bibliography, a brief (limit to 500 words) description of research interests and ask three references to send letters of recommendation. These materials should be directed to:

Dr. Philip Leder, Chairman
Department of Genetics
Harvard Medical School
200 Longwood Avenue
Boston, MA 02115.

Harvard University is an Equal Opportunity/Affirmative Action Employer and encourages the application of qualified women and minorities.

PH.D. PROTEIN BIOCHEMIST

DowElanco, a leading company in the development of innovative products for crop protection and production, has an immediate opening for a Ph.D. Protein Biochemist in the Biotechnology and Plant Genetics Department. The Department is part of DowElanco’s Discovery Research effort which is located in a new state-of-the-art research center in Indianapolis, Indiana.

As part of an interdisciplinary team, this individual will perform research on the identification, isolation and characterization of proteins and enzymes from diverse sources, for use in a program designed to produce unique maize varieties with valuable added traits, particularly in the area of oil biosynthesis. The successful candidate will have a strong background in protein biochemistry and enzymology and an excellent understanding of plant metabolic biochemistry and regulation. Post-doctoral research experience in the area of plant lipids is highly desirable, and the ability to interest productively with an energetic research group in the production and characterization of large numbers of transgenic maize plasmid.

To learn how to advance your career while enhancing the Agricultural environment, send a resume by October 1, 1994 to: Kathy McIntyre, Dept. DBB-1, DowElanco, 9330 Zionsville Road, Indianapolis, IN 46288-1054. An Equal Opportunity Employer.

Deputy Director

The National Institute of Allergy and Infectious Diseases, National Institutes of Health (NIH) is recruiting for the Senior Executive Service position of Director, Division of Intramural Research. Salary range between $96,830 - $161,652 PA. (M.D.s may be eligible for up to $200,000 Physician’s Comparability Allowance.) The incumbent of this position provides overall executive direction and scientific leadership to a staff of over 900 employees in 17 basic and clinical research laboratories, and manages an annual budget in excess of $128,300,000. Responsibilities include developing, directing, and coordinating the research program, allocation of staff and physical and financial resources, program planning and oversight of day-to-day program operations. Applicants must hold either an M.D. degree or Ph.D. degree in one of the biomedical sciences, and demonstrate a record of scientific accomplishment in the fields of microbiology, infectious diseases, and basic or clinical immunology, or other closely related fields. U.S. Citizenship is required. Submit a application for Federal Employment, (SF-171), C.V., and bibliography to:

Mrs Janie R. Lacy
Personnel Officer, NIAID
National Institutes of Health
Building 31, Room 7A-2
900 Rockville Pike
Bethesda, Maryland 20892
(301) 496-9686

Selection for this position will be based solely on merit, with no discrimination for nonmerit reasons such as race, color, religion, sex, national origin, political affiliation, marital status, sexual orientation, handicapping condition, age, or membership or nonmembership in an employee organization.

NIH is an Equal Opportunity Employer.

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FACULTY POSITIONS

Department of Cell Biology

The Department of Cell Biology is recruiting new faculty members. Candidates are invited to apply for either junior or senior positions. All positions offer the opportunity for tenure. We are seeking individuals with a record of excellence in research, who propose an innovative research program, and who are committed to the training of Fellows and graduate students. Current research interests of the Department include: regulation of gene expression and differentiation, membrane recognition and signaling, control of DNA replication and the cell cycle, control of immunoglobulin synthesis and somatic diversification, and human genome technology. The Department sponsors NIH Training Grants to support pre- and post-doctoral students and provides numerous core facilities including nucleic acid synthesis and sequencing, cell ultrastructural analysis, FACS, hybridoma production, and transgenic and knock-out mice. Albert Einstein is located in a pleasant residential district of the Northeast Bronx, with easy access to Manhattan or the suburbs of Westchester County and Connecticut. Substantial packages will be provided to start up and sustain the laboratories of successful candidates. Please submit a CV, a statement of research interests and plans, as well as the names of three references to Dr. Jonathan R. Weinberg, Head of Cell Biology, AECOM, Jack and Pearl Resnick Campus, 1300 Morris Park Ave., Bronx, NY 10461. An Equal Opportunity Employer.

ALBERT EINSTEIN COLLEGE OF MEDICINE

Toward the advancement of medicine and your career

MEETING

The National Institute of Mental Health Division of Neuroscience and Behavioral Science and Florida Atlantic University Center for Complex Systems Present a Workshop on:

DYNAMICAL NEUROSCIENCE

Friday and Saturday, November 11-12, 1994 Boca Raton, Florida

Dynamical Neuroscience aims to understand the spatiotemporal dynamics of neurobehavioral systems on different levels from molecules and cells to organisms in their environments. This workshop will familiarize students and interested others on the concepts, methodology and tools of nonlinear dynamics applied to neuroscience from ion channels up through and including sensorimotor and cognitive functions. The emphasis is on developing a theory-experiment relation with computation as an indispensable tool for analysis and modeling.


Registration is limited and advanced registration is required. Write or call to FAX: J.A.S. Kelso, The Center for Complex Systems, Florida Atlantic University, 777 Glades Road, Boca Raton, FL 33431. Telephone: (407) 367-2230, FAX: (407) 367-3634, E-Mail: dynamics@walt.cs. fau.edu.

For further information: D. Glanzman, NIMH, Room 11-102, 3600 Fisher Lane, Rockville, MD 20857. Telephone: (301) 443-1576, E-Mail: glanzman@helix.nih.gov.

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For further information: D. Glanzman, NIMH, Room 11-102, 3600 Fisher Lane, Rockville, MD 20857. Telephone: (301) 443-1576, E-Mail: glanzman@helix.nih.gov.
THE UNIVERSITY OF GRONINGEN
THE NETHERLANDS

has an opening for a

**CHAIR IN ETHELOGY**
(vacancy number: 940903)

at the Department of Behavioural Biology,

Applicants versed in the causal analysis of animal behaviour with an affinity for investigating the interplay between genetical and environmental factors in the development of behaviour and its expression in the adult are particularly encouraged to apply. Within the Department interaction with the other two research groups (Animal Ecology and Chronobiology) concerning the functional aspects of behaviour is recommended. There is considerable scope to team up with physiologists and geneticists in the neighbouring Department of Animal Physiology with an interest in research on the cellular/molecular and genetic bases of behavioural processes. In a wider context, the Ethology group participates in the Groningen Center for Behavioural and Cognitive Neurosciences which unites researchers from the Medical and Social Sciences and Biophysics with an array of biological disciplines throughout the university. In this setting the candidate is expected to collaborate in human ethological projects.

Applicants are expected to have considerable enthusiasm for teaching as ethology is considered a core subject at Groningen and is incorporated in the curriculum at all levels. In addition, an active contribution is expected to further incorporate human ethology into the medical biology curriculum. Candidates lacking a mastery of the Dutch language are expected to learn Dutch.

Applicants will be asked to participate actively in the management of the Department of Behavioural Biology and from time to time to take on certain non-departmental management tasks as well.

The Chair is according to the A level. The gross salary will be between Dfl. 7.875,-to Dfl.11.580,-per month.

Further information can be obtained from Prof. Dr. B. Bohus or Prof. Dr. J.M. Koolhaas, Department of Animal Physiology. Phone(+31)50 632340.

Letters of applications, including a curriculum vitae, a list of publications and names and addresses of the three referees, should be sent within four weeks after publication of this advertisement to the Head of Personnel Department, University of Groningen, P.O. Box 72, 9700 AB Groningen, The Netherlands.

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**FOURNIER PHARMA GMBH**

Protein Chemist

Fournier Pharma GmbH is the German subsidiary of Fournier Laboratories, a French Pharmaceutical Company with a strong commitment in cardiovascular Research.

We are looking for a Protein Chemist for our new Research Center in Heidelberg.

The successful candidate will be involved in purification and characterization of proteins, structure activity studies, peptide mimetic synthesis and lipid-peptide interaction studies.

He or she will collaborate with peptide chemists in Drug Discovery Research and will be in charge of protein sequencer and aminocid analyzer.

Department resources include a 500 MHz NMR spectrometer, a high resolution mass spectrometer, and FTIR spectrometer, computers for molecular design and conformational analysis, CD spectrometer, peptide synthesizers, PLLC, HPLC's, HPEC,....

This is an excellent opportunity to join a dynamic team developing novel therapeutic approaches for treating athemoclerosis and related cardiovascular disease.

Applicants must have a Ph.D. in chemistry or biochemistry as well as two to three years of post-doctoral experience and proven track record of protein chemistry.

Please send resume to:

Fournier Pharma GmbH
Department of Human Resources
Mr. Dewes
Justus-von-Liebig-Str. 16
69280 Sulzbach
Germany

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**SENIOR SCIENTIFIC ADVISOR, ENVIRONMENT**

The World Bank

The World Bank, the leading multilateral lending agency in the field of global economic development, has an exceptional opportunity for a senior specialist in this field—women candidates are encouraged to apply—for its Headquarters in Washington, D.C., U.S.A.

Duties/Responsibilities: As Chief Advisor on environmental science, the/his will, among other duties, provide internationally recognized leadership over a wide range of policy/strategy issues in the field of environment; provide intellectual leadership to ensure environmental considerations are appropriately weighted in economic, social and cultural responses to sustainable development in Bank-financed activities; oversee preparation and review of policy papers; and serve as union spokesperson on environmental policies to the international community and technical groups (representing the World Bank at high level international meetings).

Requirements: Superior academic credentials in scientific disciplines; international recognition as an authority in the technical/scientific aspects of the environmental field; and extensive experience in high level policy and research work. Proficiency in English and, preferably, good knowledge of one or more of the other working languages of the Bank.

Salary and benefits are internationally competitive. Confidential applications (with detailed resume or curriculum vitae) should be FAXED to: (202) 477-8834 or MAILED to: The World Bank, Recruitment Division, SR-ENVIRON, Room 0-4121, 1818 H Street, N.W., Washington D.C. 20433, U.S.A.
Pfizer is one of the world's leading research-based pharmaceutical companies, with an excellent portfolio of established and new products. Success has brought a major expansion of our Sandwich facilities where over a thousand staff are already employed in Research and Development.

We are now looking for a Computational Chemist to complement our recently established macromolecular X-ray crystallography laboratory. You will be expected to work closely with our computational, structural, and medicinal chemists in the use of a wide range of computational tools directed at structure-assisted drug design. You will be responsible for the modelling for several of our current projects, particularly those concerned with the development of enzyme inhibitors. This is an excellent opportunity to join a dynamic and successful research environment.

Our ideal candidate will be a PhD level scientist, preferably with post doctoral experience in protein/ligand modelling, molecular dynamics simulations, homology modelling and ligand design against a macromolecular receptor. You should be industrious, highly self motivated and an innovative problem solver, with the required communication and interpersonal skills to work effectively in our multidisciplinary environment.

Pfizer offers the salary, career structure and benefits you would expect of a leading and successful company, including flexible working hours and merit based bonus and career progression. We offer relocation assistance where appropriate.

Please send a CV to Mr. S. Rhode, Senior Personnel Advisor, Pfizer Central Research, Ramsgate Road, Sandwich, Kent CT13 9NJ, United Kingdom. Tel: (0304) 618710, Fax: (0304) 618749.

The Division of Research Grants National Institutes of Health Invites inquiries concerning employment as Scientific Review Administrators (SRAs) to manage various study sections which review for technical and scientific merit research grant applications submitted to NIH.

At this time, we are seeking an individual to serve as SRA of the Surgery, Anesthesiology and Trauma Study Section. Candidates must have proven independent research experience and in-depth knowledge of cardiac and pulmonary surgery; anesthesiology; shock, burns and trauma; transplantation and urology.

Individuals must be U.S. citizens and have a M.D., D.V.M., Ph.D. degree or equivalent. Experience that demonstrates extensive scientific expertise incorporating research experience with varied responsibilities for providing leadership in a scientific area is required.

Further information and qualification requirements can be obtained by contacting the Personnel Office, Division of Research Grants, National Institutes of Health, 5333 Westbard Avenue, Room 438, Bethesda, MD 20892.

NIH is an Equal Opportunity Employer.
Postdoctoral Research Training Opportunities

Funding sources include NIH Training Grant in Vascular Biology and Medicine, NIH Training Grant in Cardiac and Cellular Electrophysiology (for M.D. and Ph.D. applicants) and American Heart Association/Bruce Foundation Center for Molecular Biology in the Cardiovascular System (for M.D. applicants only). Other funding sources also available.

Areas of Research Include:
- Genetics of Hypertension
- Molecular Biology
- Lipoprotein Lp(a)
- Transgenic Mouse Models
- Vascular Disease
- Adhesion Molecules
- Autocrine/Paracrine Control of Vasoconstrictor Tone
- Growth and Development of the Vessel Wall
- Electrophysiology of the Cardiovascular System.


William T. Charlin, M.D., Ph.D. - Cardiac cellular electrophysiology.

John P. Cooke, M.D., Ph.D. - Nitric oxide as a modulator of vascular tone and atherogenesis.


Brian K. Dobkin, M.D. - Studies of adrenergic and peptidergic receptors using transgenic and homologous recombinant technologies.

Richard M. Lawm, Ph.D. - Lipoprotein Lp(a) and genes involved in cardiovascular disease utilizing molecular biology and transgenic mouse models.

Richard E. Pratt, Ph.D. - Role of vasoactive peptides development in vascular cell growth and differentiation.

Hannah A. Valantine, M.D. - Role of cytokines and mediators of immunity in graft vascular disease and cardiac transplantation.

Interested applicants should submit a curriculum vitae and a letter outlining background and area of research interest. Three letters of reference should be submitted directly to the Preceptor at the following address:

Division of Cardiovascular Medicine
Falk Cardiovascular Research Center
Stanford University School of Medicine
300 Pasteur Dr.
Stanford, California 94305-5246
(415) 723-6141

Stanford University is committed to increasing representation of women and minority groups, and particularly encourages applications from such candidates.

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**Pioneering the Future of Gene Delivery.**

**Avigen** is an innovative young company leading the way in the development of adeno-associated virus (AAV) vectors for gene therapy and aggressively pioneering a new generation of hybrid vector systems to deliver therapeutic genes and polynucleotides (e.g., antisense & ribozymes). Our goal is to develop versatile nucleic acid delivery systems that can be applied to numerous disease targets reflecting the rapid advances being made in the identification of genes associated with human disease. We are seeking qualified candidates for the following scientist level positions:

**Process Development Scientists**

You will be responsible for the production and purification of gene delivery systems. Candidates must possess a Ph.D. and/or 4 years’ industrial experience involving GMP production and purification of proteins or nucleic acids. (Job# 5-0902-PDS)

**Research Scientists**

Applicants must possess a Ph.D. and a minimum of 2 years post-doctoral work experience in one or more of the following areas: virology (AAV, adenovirus, retrovirus, herpesvirus, and yeast retrotransposons), yeast genetics, DNA replication & transcription, and molecular biology. (Job# 5-0902-RS)

We offer attractive salaries & benefits, generous stock options, and the opportunity to make significant scientific contributions. To apply, please send resume to:

Avigen Incorporated
Human Resources, Job# 5-0902
1201 Harbor Bay Pkwy, Suite 1000
Alameda, CA 94502. EOE

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**MACROMOLECULAR CRYSTALLOGRAPHY RESEARCH SCIENTIST**

Agouron Pharmaceuticals, Inc., has an opening for a senior staff scientist to join its protein crystallography group. Applicants should have a Ph.D. with broad experience in structure determination, refinement, and analysis. The successful candidate will work in an interdisciplinary environment in which structure-based approaches for the design and elaboration of small biologically active organic molecules are emphasized. Numerous therapeutic protein and peptide targets are being analyzed structurally.

Our laboratory is well equipped with a three 12 kilowatt Rigaku rotating anode generators, three X-ray Hamlin area detector systems each with two chambers, and a new 300 mm diameter MAR Research image plate scanner with low temperature crystal cooling. Computing and molecular graphics facilities are excellent.

Agouron is located in San Diego in the midst of a dynamic and challenging environment of academic and industrial research centers. We offer competitive salaries and benefits. For consideration please send CV and references to Human Resources (Code CJM)

Agouron Pharmaceuticals, Inc.
10350 N. Torrey Pines Road
La Jolla, California 92037

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**The Lindsey F. Kimball Research Institute of the New York Blood Center** invites applications for a Postdoctoral position in Molecular and Immunoparasitology at its Laboratory of Virology and Parasitology. The incumbent will participate in the identification, cloning, and characterization of putative antigens of the infective stages of the filarial nematode Oforneces vulvulans, and the evaluation of these antigens as candidates for vaccine development.

This well-funded project provides the excellent research facilities and environment for professional growth conducive to a well-established multidisciplinary laboratory on New York's preferred East side.

Applicants should have a Ph.D., M.D. or equivalent, with experience in biochemistry, protein purification techniques, molecular biology and/or immunobiology. This position commands a salary commensurate with experience.

To apply, please send Curriculum Vitae, and the names and telephone/fax numbers of 3 references, to: Sara Lustgarten, Ph.D., Laboratory of Virology and Parasitology, The Lindsey F. Kimball Research Institute, New York Blood Center, 310 East 67th Street, New York, NY 10021, USA, Fax: 212-570-3180

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**Lindsey F. Kimball Research Institute**

A Division of the New York Blood Center

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**BIOCHEMISTRY & MOLECULAR BIOLOGY**

**OREGON HEALTH SCIENCES UNIVERSITY**

The Department of Biochemistry and Molecular Biology at OHSU, School of Medicine, will be embarking on a period of significant growth during the next several years. We will be recruiting tenure track faculty at all levels, although our emphasis will be on junior colleagues. Our main focus will be in (i) structure and function of membrane proteins, (ii) structural biology, especially diffraction methods, and (iii) nucleic acid structure and enzymology. Interested candidates in related areas are also encouraged to apply.

We will offer attractive start-up packages, competitive salaries, and the opportunity to participate in the growth and development of a dynamic and interactive department in a highly desirable location. Faculty will be expected to establish competitive research programs and assist in graduate and medical school teaching. Applicants at the Assistant Professor level should have a Ph.D. with several years of postdoctoral experience. Applications for our first series of appointments should be received by November 30, 1994.

Interested applicants should send a copy of their curriculum vitae, a description of their research plans and interests, and the names of three references to:

Dr. Jack H. Kaplan, Faculty Search
Professor and Chair-Designate
Department of Biochemistry and Molecular Biology
Oregon Health Sciences University
3181 S.W. Sam Jackson Park Road, L-224
Portland, OR 97201-3898

OHSU is an Affirmative Action/Equal Opportunity Employer

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**University of Nottingham**

**Sutton Bonington Campus**

**Professor of Environmental Science**

Applications are invited for the post of Professor of Environmental Science, within the Faculty of Agricultural and Food Sciences. The Professor will lead the Environmental Science section, which is concerned with the interaction of plants and animals with the atmosphere and soil environments. Applications from candidates with quantitative interests in physical, biological or chemical areas of Environmental Science are welcome. Candidates should have a strong research record and a commitment to teaching. The appointee will be one of the professors in the Department of Physiology and Environmental Science, which has a rotating headship. He/she will be expected to provide research leadership and be responsible for the direction of teaching in Environmental Science, including an expanding MSc course. All Departments in the Faculty have a grade 5A research rating. Opportunities exist for research collaboration with other Departments in the Faculties of Science, Medicine and Agricultural and Food Sciences. Salary will be in the professorial range (current minimum £33,152 per annum).

Further details and application forms, returnable not later than 30 September 1994, from the Personnel Office, University of Nottingham, University Park, Nottingham NG7 2RD. Tel: (0602) 515781. Ref No 1833.
CHIEF LABORATORY FOR EXTRATERRESTRIAL PHYSICS

The NASA/Goddard Space Flight Center invites applications and nominations for this Senior Executive Service position, located in Greenbelt, Maryland.

The Chief of the Laboratory for Extraterrestrial Physics is responsible for developing and conducting a state-of-the-art program of experimental and theoretical research in specific areas of space science. These areas include highly advanced studies of the physical properties, composition, structure, and dynamics of solar, interplanetary, and interstellar media, planetary atmospheres, comets, astrophysical sources and magnetohydrodynamics of space plasma, radio and infrared emissions received from solar, planetary, interplanetary, and interstellar sources, and laboratory investigations. The incumbent participates in the overall development and implementation of Centerwide space science objectives.

The Chief performs individual research and may act as a principal investigator, co-investigator, or a scientist on NASA missions. Participation on Agencywide panels and committees is also required of the incumbent.

Desirable qualifications include a Ph.D. degree with extensive postgraduate research experience; and experience in the scientific and administrative management of research programs which has established the candidate as an authority in space physics, planetary physics, and/or solar terrestrial physics.

Compensation is ES-1 through ES-6 (currently $92,900 to $115,700, plus 4.23% locality rate). Submit SF-171's (Application for Federal Employment) to:

Nelson Rodriguez
Personnel Management Branch, Code 111
Office of Human Resources
NASA/Goddard Space Flight Center
Greenbelt, MD 20771

Inquiries should be directed to Mr. Rodriguez at (301) 286-9220
Complete application must be postmarked by September 28, 1994
NASA is an Equal Opportunity Employer
U.S. Citizenship Required

PROTEIN ANALYTICAL INVESTIGATOR

SmithKline Beecham Pharmaceuticals, a world leader in pharmaceutical research, has a challenging opportunity for a Protein Analytical Investigator in our Protein Biochemistry Department. The department deals with purification of recombinant proteins as well as micropurification of novel protein agents and targets from cells and/or tissues.

The selected individual will provide key laboratory data in protein analysis, including peptide sequencing, protein and peptide fragmentation, amino acid composition and mass spectrometry. Other responsibilities include serving as a key investigator on discovery teams, supervising, training and evaluating subordinates and providing a consulting service in regards to protein chemistry, characterization/analysis and enzymology etc. for personnel in other departments.

Qualifications include a Ph.D. in Protein Biochemistry, Biochemistry, Enzymology or related discipline with 2-6 years of postdoctoral/industrial experience in relevant protein analytical methods. A demonstrated ability to manage others is required. Ability to communicate protein analytical biochemistry capabilities and results to colleagues and discovery teams is essential.

Located in our state-of-the-art facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation/benefits/relocation package and a stimulating environment in which to grow and excel. For confidential consideration, send your resume to: SmithKline Beecham Pharmaceuticals, Employment Administrator, Dept. #H10217, PO. Box 401, Conshohocken, PA 19428. We are an Equal Opportunity Employer, M/F/D/V.

FMC CORPORATION

FMC is a growth fortune 500 corporation. It is located in mid-coastal Maine (Rockland) and is a world leader in the production of patented agarose products. The BioProducts Division has an opportunity for:

SR. RESEARCH SCIENTIST

Responsibilities include research and development of new products for nucleic acid and protein separations, and will involve applications development, product support, and project leadership. This position requires a minimum M.S. degree with Ph.D degree preferred in biology, biochemistry, or molecular biology with a minimum of five (5) years of hands-on lab experience in common molecular biology techniques. (e.g. DNA/RNA sequencing, gene cloning, Southern blotting, DNA sequencing, PCR amplification, and genetic mapping).

Please send resume and cover letter to:

FMC Corporation
Human Resources Department
Reference J-26
Box 308; Rockland, Maine 04841

Responses will be accepted until: September 21, 1994. No telephone inquiries please. EO/M/F; FMC does not discriminate on the basis of disability.
Applications are invited for the position of CHIEF TECHNICIAN in the following departments:

ANATOMY:
Applicants should be experienced in conventional light and electron microscopy techniques, enzyme histochemistry and immunocytochemistry. Candidates should be willing to train junior technical staff and conduct daily routine maintenance and check up modern equipment in microscopic anatomy laboratories.

BIOCHEMISTRY:
Preferably with a background in molecular biology.

COMMUNITY MEDICINE AND BEHAVIORAL SCIENCE:
Applicants should have MSc in computer science, epidemiology, public health, biostatistics or related field; minimum of six years experience working with on-line Mainframe computers such as VAX, IBM; extensive experience with the use of statistical packages such as SPSS and BMDP; experience with using IBM PC’s and Apple Macintoshes; and knowledge of scientific computer languages.

He/she will be responsible for maintenance and upkeep of computer and other equipment needed for the Epidemiology, Psychology and Biostatistics laboratories in the department. He/she is also expected to procure and install the various software required for teaching and research, and to provide assistance in running all such programs.

MICROBIOLOGY:
Virology
Immunology
He/she will be supervising the diagnostic service, assisting in preparation of class for teaching and participating in research.

PATHOLOGY:
Advances Tissue Pathologist
Clinical Chemistry
Scientific Officer

PHARMACOLOGY:
Toxicology:
Applicant should have extensive experience in gas chromatography, mass spectrometry and high pressure liquid chromatography. He/she should also have experience of budgeting and ordering, and should have had a supervising role in managing technicians in an analytical/screening laboratory.

OBSTETRICS AND GYNECOLOGY:

RADIOLOGY:
With experience in cell culture techniques and procedures with laboratory animals. Some computing experience would also be desirable.

Candidate should have experience as a Clinical Laboratory Technician and hold the F.I.M.L.S., or equivalent qualifications, with fifteen years experience including training. The applicant's duties will be of a multidisciplinary nature and will be both in the laboratory and in the field.

Salary will be in the range of KD 312-528 per month (KD-2.1 stg. pd., $3.4 US dollar approximately). No income tax in Kuwait and currency is transferable without restrictions. Furnished air-conditioned accommodation. Electricity and water free of charge. Sixty days of paid annual leave for each completed year of employment. Annual round trip economy class air tickets to the country of citizenship or permanent residence for self and family up to three dependent children.

METHOD OF APPLICATION: Curriculum vitae in duplicate which should include the names of three referees; personal particulars; copy of the relevant pages of passport; qualifications should be sent to arrive by 15th OCTOBER, 1994 to:

The Vice-Dean of Administration
(Recruitment Office)
Faculty of Medicine
University of Kuwait
P.O. Box 24923
Safat, 13110, Safat KUWAIT

or

FAX: 5318454

LABORATORY COORDINATOR—AMHERST COLLEGE. The Chemistry Department at Amherst College seeks to fill the position of Laboratory Coordinator, beginning mid-November, 1994. Preference will be given to candidates with an advanced degree in chemistry; applicants with a bachelor degree will also be considered. Responsibilities include designing and implementing new instructional labs, including those involving computer interfaces, maintaining the instructional laboratories, assisting faculty in the maintenance of research laboratories, managing the stockroom, overseeing waste disposal, and acting as the Department Safety Coordinator. The position carries a competitive salary and an attractive package of fringe benefits. Applicants should submit a detailed curriculum vitae, and should arrange for forwarding of three letters of reference to: Dr. J. N. Kushick, Chairman, Department of Chemistry, Box 3243, Amherst College, Amherst, MA 01002-5000, by September 19, 1994. Amherst College is an Affirmative Action/Equal Opportunity Employer and encourages women, minorities, and disabled persons to apply.

MOLECULAR VIROLOGIST. The Department of Ophthalmology, Baylor College of Medicine, seeks a molecular virologist to develop an independent research program. Rank is open. Research on herpes simplex virus is preferred. Potential areas of study include viral pathogenesis, gene expression, vectors for therapeutic gene delivery, and host inflammatory responses to viral disease. The appointment is available in the Division of Molecular Virology with participation in the graduate program in virology. Applicants for this tenure-track position should have a Ph.D., at least two years of postdoctoral experience, and demonstrated research productivity. Send curriculum vitae, names and addresses of at least three references, and a statement of research interests to: Search Committee for Molecular Virologist, Department of Ophthalmology, Cullen Eye Institute, Baylor College of Medicine, One Baylor Plaza (NC 200), Houston, TX 77030. Baylor College of Medicine is an Equal Opportunity/Affirmative Action/Equal Access Employer.

GEO-CENTERS, INC. A high technology growth oriented research and development firm specializing in scientific and engineering services for the DOD, has the following opening at their Northwestern (N) location.

BIOCHEMICAL ENGINEER—Qualified candidates will possess a Ph.D. in Engineering with emphasis or expertise in environmental science or biotechnology. The preferred candidate will have a minimum of two years of postdoctoral experience with biodgradation methodology and process optimization. Additionally, he/she will have demonstrated experience and a thorough knowledge of process scale-up. Experience in the bioremediation of contaminated soil is desirable; specific contaminants of interest include nitrates, esters, nitramines, and aromatic nitro compounds. GEO-CENTERS, INC. offers a competitive salary and comprehensive benefits package. To be considered for this position, please send a resume including salary history to: GEO-CENTERS, INC., attn: HR Code PE, 762 Route 15 South, Lake Hopatcong, NJ 07849. GEO-CENTERS is an Equal Opportunity/Affirmative Action Employer.

PHARMACOKINETICS/DRUG METABOLISM Ph.D. with 2+ years of experience to design and conduct preclinical studies and develop analytical methods for metabolism studies in an industrial environment. Candidate must have a broad understanding of pharmacokinetic principles, study design, data interpretation, statistical software packages, animal models, physiocochemical properties of drugs, HPLC, and radiometric techniques. Excellent oral and written communication skills essential. Forward detailed resumes to: P.O. Box 176, Pleasantville, NY 10570.
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Research Genetics is proud to provide an economical 'start-to-finish' peptide antibody service. Your peptide will be synthesized utilizing the latest FMOC solid phase methods with MAP resin technology which increases the antigenic response. Monoclonal antibodies will be delivered in 24 weeks costing $8,500, and polyclonal in 16 weeks costing $1,195. When requested, first bleed serum from polyclonal antibodies is available upon collection.

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