ADVERTISMENTS

LYI ECLASSIFIEDADVERTISEMENTS donotdiscriminate on the basis of race, sex, religion, age, color, handicap or sexual preference. The AAAS encourages employers to actively recruit and employ underrepresented minority groups. Science reserves the right, at its discretion, to edit or decline to publish advertisements submitted to it.

Positions Open

NMR FACILITY DIRECTOR RESEARCH ASSOCIATE PROFESSOR University of Vermont

The Department of Biochemistry of the University of Vermont College of Medicine has an immediate opening for a FACILITY DIRECTOR in biological NMR. This position will be responsible for maintaining, operating and scheduling a new 500 MHz instrument, for teaching faculty, post-doctoral associates and graduate students in the operation of the instrument, for assisting investigators in design of NMR experiments, including the implementation and use of software for data collection and for collaborating in research efforts with users. This position will be free, but not required, to seek outside funding to establish his or her own research program. Salary is negotiable and will be commensurate with experience and experience of the candidate. Interested candidates should submit a CV, complete description of NMR experience and the names of three references. Submit application materials to: Chair, Search Committee, Department of Biochemistry, Given Building, University of Vermont, Burlington, VT 05405-0068. The University of Vermont is an Equal Opportunity/Affirmative Action Employer. Women and people of diverse racial, ethnic and cultural backgrounds are encouraged to apply. Deadline is November 1, 1994.

DEVELOPMENTAL PLANT BIOLOGY THE UNIVERSITY OF TENNESSEE

The Botany Department invites applications for a tenure-track ASSISTANT PROFESSOR in developmental plant biology. Applicants should have a Ph.D. with postdoctoral experience preferred. A commitment to excellence in research and teaching is required. The position is available on a rigorous, competitively funded research program, and is expected to support a vigorous externally funded research program using modern genetic, molecular and/or cellular approaches. The successful candidate will have a research background in plant developmental biology and have potential to supervise graduate students at the M.S. and Ph.D. levels. Candidates will be evaluated on the basis of research accomplishments and teaching effectiveness. Applicants should send a curriculum vitae, statement of research plans/goals, and a statement of teaching interests and philosophy. This material and three letters of recommendation should be sent to: Dr. Les Hickok, Developmental Plant Biology Search, Botany Department, University of Tennessee, Knoxville, TN 37996-1100. Screening of applicants will begin November 15, 1994. University of Tennessee, Knoxville is an Equal Employment Opportunity/Affirmative Action Employer. Women and Minority Candidates are especially encouraged to apply.

FACULTY POSITION IN CHEMISTRY The University of Texas at Austin invites applications for a faculty position to begin in September 1995. Teaching responsibilities will be in inorganic chemistry, at both the undergraduate and graduate levels. We are particularly eager to identify candidates with interests in theoretical chemistry; however, candidates in other research areas will receive full consideration. Primary consideration will be given to applicants at the ASSOCIATE PROFESSOR level, but more senior candidates with distinguished records of scholarship and teaching will be considered. Candidates should submit, by 1 November 1994, a curriculum vitae and a concise, specific statement of research plans, and arrange to have three letters of reference sent to: Professor William E. Buhro, Inorganic Search Committee, Department of Chemistry, Campus Box 1134, Washington University, St. Louis, MO 63130-4899. Washington University is an Equal Opportunity/Affirmative Action Employer. Individuals from underrepresented groups are especially encouraged to apply.

ACADEMIC POSITION ASSISTANT PROFESSOR The Department of Chemistry and Biochemistry at the University of South Florida at St. Petersburg solicits applications for a tenure-track ASSISTANT PROFESSOR position beginning September 1994. Teaching in inorganic or physical chemistry/biochemistry including chemical education will be considered. Candidates who have demonstrated outstanding teaching and a strong commitment to research in these fields are especially encouraged to apply. Applicants should send a letter of application, curriculum vitae, a statement of research interests, a statement of teaching experience and interests and the names of three references to: Professor Michael K. Duncan, Department of Chemistry and Biochemistry, University of South Florida at St. Petersburg, St. Petersburg, FL 33701. University of South Florida is an Equal Opportunity/Affirmative Action Employer.

Positions Open

IMMUNOLOGY FACULTY POSITION

The Department of Biology at Georgia State University invites applications for an anticipated TENURE-TRACK POSITION for applicants with an established program in immunology, preferably with molecular approaches. The appointment will start on or before September 15, 1995. Applications will be considered at the position of ASSOCIATE PROFESSOR, with the level of entry being commensurate with experience. The successful candidate will be expected to maintain an independent research program (s), supervise graduate and M.S. and Ph.D. students, and participate in instruction at the graduate and undergraduate levels. The successful applicant will have the opportunity to be the major user of a new cell sorter. The Department has state-of-the-art core facilities housing numerous shared equipment items, including fermenters, a phosphorimeter, DNA/protein synthesizers and sequencers. Applications, including curriculum vitae, reprints, statement of research plans and three letters of reference should be sent to: Chair of Search Committee, Department of Biology, P.O. Box 4010, Atlanta, GA 30302-4010. Deadline for receipt of application is November 15, 1994. Georgia State University, a unit of the University System of Georgia, is an Equal Opportunity/Affirmative Action Employer.

CELLULAR AND MOLECULAR NEUROBIOLOGY PURDUE UNIVERSITY Department of Biological Sciences

Applications are invited for a tenure-track faculty position at the ASSISTANT or ASSOCIATE PROFESSOR level. Candidates must have a Ph.D. degree or equivalent and relevant postdoctoral experience, and are expected to have a vigorous, competitively funded research program and to participate in the teaching program of the department.

We seek a neurobiologist who utilizes molecular and cellular approaches to address questions in the areas of development, signal transduction, or receptor function in a vertebrate or invertebrate model system. The position includes tentative salary, start date, and facilities commensurate with the position. Applications should include a letter of interest, a curriculum vitae, reprints, and three letters of reference to: Chair, Neurobiology Search Committee, Department of Biological Sciences, Purdue University, West Lafayette, IN 47907-1392. Applications will be accepted until the position is filled.

ASSISTANT PROFESSOR of Chemistry, Rice University (Tenure-track). Imaginative and energetic candidates are sought for a tenure-track position in experimental physical chemistry which complement Rice University's initiative in nanoscience and nanotechnology. Emphasis will be placed on innovative research programs which transcend traditional boundaries, especially those concerned with the study of matter on a nanometer scale. Applicants should send a letter of recommendation, a résumé, and a description of their proposed research program to: Professor Philip R. Brooks, Faculty Search Committee, Department of Chemistry, Rice University, P.O. Box 1892, Houston, TX 77251-1892. Rice University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSORSHIP BIOCHEMIST/BIOPHYSICIST STANFORD UNIVERSITY

The Department of Biomedical Sciences invites applications for a tenure-track position as ASSISTANT PROFESSOR level. We seek individuals using biochemical and biophysical approaches to study basic cell biological problems. This could include the study of macromolecular interactions and mechanisms in process such as DNA replication, RNA transcription, protein transport, cytoskeletal function, signal transduction, cell cycle regulation, and organelle assembly.

Applications from women and members of minority groups are strongly encouraged. Applicants for this position should send a curriculum vitae, a statement of research interests, a statement of teaching experience and interests and three references to: Committee, Biochemistry/Biophysics Search Committee, Department of Biological Sciences, Giffels, Department of Chemistry and Biochemistry, Stanford University, Stanford, CA 94305-5020. The closing date for applications is November 30, 1994.
Howard Hughes Medical Institute

Predoctoral Fellowships in Biological Sciences

1995 Competition
80 Fellowships will be awarded by the Howard Hughes Medical Institute for study toward a Ph.D. or Sc.D. degree in the biological sciences listed below. Awards, based on an international competition, focus on research directed to understanding basic biological processes and disease mechanisms. Fellowships may be held at any academic or research institution with appropriate degree programs.

Fellowship Terms
- Full-time study toward the Ph.D. or Sc.D.
- Up to five years of support possible
- $14,500 annual stipend
- $14,000 annual cost-of-education allowance

Fields of Study
- Eligible fields:
  - biochemistry
  - biophysics
  - biostatistics
  - cell biology
  - developmental biology
  - epidemiology
  - genetics
  - immunology
  - mathematical biology
  - microbiology
  - molecular biology
  - neuroscience
  - pharmacology
  - physiology
  - structural biology
  - virology

Eligibility
- Beginning graduate study (prior study toward an M.P.H. or a medical degree does not rule out eligibility)
  - college seniors
  - first year graduate students
  - medical students and physicians (M.D., D.O., D.D.S., or D.V.M.) not past the first year of a Ph.D. or Sc.D. degree program
- Not in a funded M.D./Ph.D. program
- No citizenship requirements: U.S. citizens may study abroad, but others must study in the United States

Schedule
Application deadline: November 4, 1994
Awards announced: early April 1995
Fellowships start: June 1995–January 1996

1995 Program Announcements, Eligibility Guidelines, and Applications
Hughes Fellowship Program
The Fellowship Office
National Research Council
2101 Constitution Avenue
Washington, DC 20418, United States of America
Telephone (202) 334-2872
Fax: (202) 334-3419
E-mail: infofell@nas.edu

The Howard Hughes Medical Institute, an Equal Opportunity Employer, welcomes applications from all qualified candidates and encourages women and members of minority groups to apply.
SISTANT particularly encouraged ment of Genetics and The genetics until the position develop, who have active interests in genetics, and/or disabled persons and/or persons age 40 and over are encouraged to apply.

TEREN- TURE FACULTY POSITIONS IN NEUROSCIENCES 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 ASSISTANT or 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 the sensory environment and controls appropriate behavioral outputs. Individuals using multidisciplinary approaches including reduced preparations and/or model systems are particularly encouraged to apply. 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, molecular and developmental neuroscience, outstanding candidates in any area of neuroscience will be considered. Excellent opportunities also exist to interact with laboratories in other neurosciences departments who have active roles in research and teaching. The department, recently consolidated in a newly renovated space, provides excellent state-of-the-art facilities. In addition, laboratories involve a broad range of teaching activities in neuroscience to medical and graduate students. Candidate should submit a curriculum vitae and a brief summary of their research plans by November 15, 1994, to: Dr. Jim Eskin, Renovated Medical School, 6934 Euclid Avenue, Cleveland OH 44106-4975. Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.

The Department of Physiology and Cell Biology welcomes applications for FACULTY POSITIONS at the ASSISTANT AND ASSOCIATE PROFESSOR levels for individuals interested in joining an ongoing, recognized and productive program in gastrointestinal physiology and integrative mucosal biology. The future emphasis of this program will be to apply advances in molecular and cellular biology to the understanding of integrative functions at the tissue and organ levels. We are expanding our expertise in the enteric nervous system and mucosal growth development and adaptation. Interested individuals should forward a curriculum vitae and a statement of research interests together with a brief statement of future research goals and the names of three potential references to: Dr. Stan- ley B. Schuknecht, Professor and Chairman, Department of Physiology and Cell Biology, University of Texas Medical School, P.O. Box 20708, Houston, TX 77225.

The deadline for applications is December 15, 1994. The University of Texas is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

ASSISTANT PROFESSOR--BIOCHEMISTRY JOHNS HOPKINS UNIVERSITY

The Department of Biochemistry invites applications for a tenure-track faculty position at the ASSISTANT PROFESSOR level. Candidates will be expected to develop a fruitful research program, the ability to develop a vigorous basic research program, and a strong commitment to graduate and undergraduate teaching. The areas of special interest include membrane biochemistry, enzyme mechanisms, biophysical aspects of macromolecular function, molecular nutrition, and metabolic regulation. Applicants should submit, prior to November 15, 1994, curriculum vitae, reprints of key publications, and a statement of future research plans (one to three pages), as well as arrange for three letters of recommendation to be sent to: Dr. Roger McCormack, Chairman, Department of Biochemistry, Johns Hopkins University, School of Hygiene and Public Health, 615 North Wolfe Street, Baltimore, MD 21205. Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are especially encouraged to apply.

ASSISTANT PROFESSORS COLORADO STATE UNIVERSITY

The Department of Biochemistry and Molecular Biology seeks applications for faculty positions from individuals with biophysical or biochemical backgrounds and research interests in protein folding or protein-nucleic acid interactions. Teaching and/or research expertise in the areas of structure function analysis of macromolecules and the regulation of gene expression. It is also desirable that individuals be able to provide a full complement of core facilities. Emphasis will be to identify individuals whose research both broadens and complements our current expertise. Candidates must have a Ph.D., degree, post-doctoral experience, and a demonstrated ability to develop an independent and productive research program. The successful applicants will also participate effectively in undergraduate and graduate teaching. Send curriculum vitae, a statement of research interests and direct three references are requested. To: Dr. N. N. Caruthers, Department of Biochemistry and Molecular Biology, Colorado State University, Fort Collins, CO 80523. Colorado State University is an Equal Opportunity/Affirmative Action Employer. Equal Opportunity Office: 21 Spruce Hall.

ASSISTANT OR ASSOCIATE PROFESSOR, PLANT ECOLOGY

The University of Tennessee

The Department of Botany and Graduate Program in Ecology invites applications for a tenure-track ASSISTANT OR ASSOCIATE PROFESSOR position in PLANT ECOLOGY. Ph.D. with a strong field orientation and expertise in physiological ecology, population ecology or plant community ecology required. Position to begin in August 1995. Additional qualifications include publications in scientific journals, a strong research program and the ability to develop a vigorous basic research program, and a strong commitment to graduate and undergraduate teaching. The areas of specialization include population ecology, population genetics, and molecular nutrition. Applications sent independently and should provide curriculum vitae and brief descriptions of their future research plans. Applications and supporting materials should be sent no later than January 1, 1995 to: Professor Roy G. Gor- don, Chairman, Department of Chemistry, Harvard University, 12 Oxford Street, Cambridge, MA 02138. Harvard University is an Equal Opportunity Employer. Applications from women and minority group members are encouraged.
SIBIA is expanding its interdisciplinary research and development on therapeutics for diseases of the central nervous system. We have established an impressive record in the development of innovative technologies integral to the field of neuroscience and the biopharmaceutical industry. We are now seeking an experienced Scientist for a critical role in drug discovery for the neuropharmaceuticals of the future!

**DRUG SCREENING**

You will focus on the identification of novel lead molecules based on high-throughput functional screening of compounds against recombinant brain receptors and/or ion channels. You will interact with members of our Chemistry, Neuropharmacology, Psychopharmacology and Molecular/Cell Biology Laboratories to develop new assays and pursue leads identified in the screening program. You will be responsible for management of the drug screening laboratory, strategic direction, and data analysis. A Ph.D. in Pharmacology or Chemistry with at least five years of postdoctoral experience in drug screening in an industrial setting is preferred.

Located on San Diego's beautiful La Jolla coastline, SIBIA offers not only a challenging and aesthetic environment but also a competitive salary and benefits package. Send your C.V. with names of three references to: Lynn Alba, SIBIA, 505 Coast Blvd., South, Suite 300, La Jolla, CA 92037. EOE.

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**A pharmaceutical research centre located in the Paris region has a position for:**

**PhD Molecular Biology**

for the cloning and transfection of receptors and other drug targets, with expression in stable cell lines. An experience of in situ mutagenesis would be an advantage, as would postdoctoral experience in the pharmaceutical industry.

This position gives a unique opportunity to join a recently formed innovative team collaborating with several other drug discovery groups.

Please send a CV and handwritten letter mentioning reference number 52502 to Media System, 6 impasse des Deux Cousins, 75849 Paris Cedex 17, France.

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**NATIONAL INSTITUTES OF HEALTH**

**NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT**

**DIVISION OF INTRAMURAL RESEARCH**

**CHIEF, HUMAN GENETICS BRANCH**

The National Institute of Child Health and Human Development is recruiting for the key position of Chief of the Human Genetics Branch, Division of Intramural Research. Applicants must have an M.D. or equivalent degree and experience in research on human genetic diseases.

The Chief, Human Genetics Branch, will have the major responsibility for administering a program in clinical and basic research. Specifically, he/she will conduct research in the area of his/her choice (within the broad framework of human genetics), and administer several independent research groups focused on human biochemical genetics, inborn metabolic errors, neurogenetics, cellular differentiation, developmental genetics, and genetic disorders of drug metabolism.

Applicants must have an established record of excellence in the field of human genetics research and must specifically provide evidence of their capacity to meet the following criteria:

1) Ability to supervise and coordinate a large and highly specialized clinical and laboratory program for the investigation of human genetic disorders;

2) Knowledge of advanced aspects of molecular and cellular biology;

3) Ability to conduct a personal research program of high impact.

The base salary ranges up to $91,029, depending on qualifications. Applicants will also be eligible for a physician's allowance up to $20,000 as well as other bonuses and awards (with a current maximum of $148,400). Please submit curriculum vitae and bibliography to: Dr. Tracey Roualt, Search Committee Chair, NIH, 9000 Rockville Pike, Building 31, Room 2A46, Bethesda, MD 20892–2725 by November 15, 1994.

Under the Affirmative Employment Program, minorities, women and persons with disabilities that meet the eligibility criteria are especially encouraged to apply. U.S. citizenship is required.

NIH is an Equal Opportunity Employer
The Michigan State University-Department of Energy Plant Research Laboratory has two tenure-track faculty positions available at the ASSISTANT PROFESSOR level. The mission of the Plant Research Laboratory is to carry out fundamental research in plant biochemistry or plant responses to pathogenic microorganisms; positions are particularly encouraged to apply; however, applications from individuals in other areas of plant biology will be seriously considered. Preference will be given to individuals working in underdeveloped areas that show promise for future advances.

The Plant Research Laboratory, with major funding from the U.S. Department of Energy provides a stimulating atmosphere and excellent facilities for research in the plant sciences. Faculty members are jointly appointed in an appropriate academic department. Adequate laboratory space and set-up funds as well as continuing research support will be provided.

Applicants should have postdoctoral research experience with demonstrated productivity and evidence of potential for independent research. To assure consideration, applications should be received no later than January 1, 1994. Applications, including curriculum vitae, description of research accomplishments and future interests, and three letters of recommendation, should be directed to: Michael P. Klotman, Director, MSU-DOE Plant Research Laboratory, Michigan State University, East Lansing, MI 48824.

Michigan State University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are particularly encouraged to apply.

RESTORATION ECOLOGY. The Environmental Studies Board at the University of California, Santa Cruz, is seeking applicants for an ASSISTANT PROFESSOR in restoration ecology with research emphasis in such areas as theory of community and ecosystem responses to stress; restoration of species richness, habitat diversity and function; landscape/watershed diversity and dynamics; restoration and management of forest, estuarine, agricultural and urban ecosystems, and regulatory and policy aspects of ecological restoration projects. Preference given to candidates who can apply the fundamentals of ecology to land management and conservation policy. Duties include disciplinary and interdisciplinary teaching at the graduate and undergraduate levels. Candidates are expected to have a Ph.D. degree by September 1995 in biology, ecology, geology, hydrology, forestry, agronomy or a closely related field and have a record of publication in areas compatible with their research area of specialization. A letter of application, three letters of recommendation and a curriculum vitae listing two additional reviewers should be sent to: Michael J. Racette, Chair, Environmental Studies Board, University of California, Santa Cruz, CA 95064 by October 15, 1994. Refer to 00476. Write for full position description. Appointment contingent upon budgetary approval. Santa Cruz is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR: The Department of Anatomy and Cell Biology in the Faculty of Medicine at the University of Alberta invites applications for a position as ASSISTANT/ASSOCIATE PROFESSOR to develop a new biophysical research program in cellular molecular mechanics. Applicants are required to carry out original research, to carry out collaborative projects with University of Alberta faculty, and to supervise and guide graduate students.

The Department of Anatomy and Cell Biology is seeking applications from an investigator who has demonstrated potential in the area of biophysical research with a particular interest in the cellular mechanics of the lens. Preferred candidates should have a Ph.D. degree and a strong record of research achievement. This position is available immediately.

The University of Alberta is committed to employment equity. Applications are encouraged from Aboriginal persons, women, veterans, and persons with disabilities.

DUKE UNIVERSITY: Applications and nomina- tions are sought for a tenure or tenure-track position in organic chemistry at the ASSISTANT or ASSOCIATE PROFESSOR level. The Department of Chemistry at Duke University invites applications from qualified women and men for an open position beginning fall 1995. The successful applicant will be expected to develop a vigorous, independent research program and to teach and advise undergraduate and graduate students. The Department of Chemistry at Duke University provides a stimulating environment for research with a highly collaborative atmosphere. Applications should include a curriculum vitae, statement regarding research interests, and three letters of recommendation and should be sent to: Dr. Richard L. Fuoss, Department of Chemistry, Duke University, Box 90397, Durham, NC 27708-0394. Duke University is an Affirmative Action/Equal Opportunity Employer.

ASSOCIATE PROFESSOR/ASSOCIATE DIRECTOR MICROBIOLOGY DIVISION 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 research program, substantial and/or highly successful research accomplishments. The individual chosen will serve as the ASSOCIATE DIRECTOR of the Medical Microbiology Curriculum. The individual will be expected to demonstrate ability to compete for extramural funding to support a research program. The candidate for the position should be interested in and recognized for its research accomplishments. The position will be open until filled. Resumes and inquiries should be directed to: Yutaka Kikkawa, M.D., Professor and Chairman, Department of Pathology, University of California, Irvine, Irvine, CA 92717-4800. The University of California, Irvine is an Equal Opportunity/Equal Access Employer.

DEVELOPMENTAL BIOLOGIST, Eastern Michigan University: Tenure-track ASSISTANT PROFESSOR available fall 1995. Department of Biology consists of 25 full-time faculty, offers undergraduate and graduate programs, and is committed to excellence. The individual will be expected to establish a research laboratory working at the molecular level, to teach developmental biology and genetics. Position requires Ph.D., teaching experience, successful research program capable of attracting external funding. A statement of interest, curriculum vitae, transcripts, descriptions of research and teaching interests/philosophy, recent reprints, three letters of reference by October 1994, to: Academic F9501, 204 King Hall, Eastern Michigan University, Ypsilanti, MI 48197. For additional information contact: Dr. Donald Shapiro, Department Head, Telephone: 734-487-4242. Women and members of minority groups are encouraged to apply. Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF FOOD CHEMISTRY

The Department of Food Science at Cornell University invites applications for a 12-month tenure-track ASSISTANT PROFESSOR position. Responsibilities will include teaching a junior/senior level course in food chemistry, participation in a graduate level team-taught course in advanced food chemistry, and development of an innovative research program in food chemistry that will attract external funding and provide research training for undergraduate and graduate students. The successful applicant will be expected to have a Ph.D. in food science, biochemistry, chemistry, or closely related field and demonstrated achievement or potential in teaching, research, and service. Applicants should submit a letter of application, statement of teaching and research interests and goals; curriculum vitae; undergraduate and graduate transcripts; and three letters of reference sent to: Dennis D. Miller, Department of Food Science, 106 Stocking Hall, Cornell University, Ithaca, NY 14853-7201. Telephone: 607-255-7616. Review of applications will begin on Nov. 1, 1994. Cornell University is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITIONS/BIOCHEMISTRY AND MOLECULAR BIOLOGY

The Department of Biochemistry and Molecular Biology of New York Medical College has two anticipated positions available. Position 1 — Two-year, non-tenure track ASSISTANT PROFESSOR. A primary responsibility will be participating in the teaching of Medical Biochemistry. Prior teaching experience, with particular experience in carbohydrate metabolism is strongly preferred. This position is available immediately, but no later than November 1, 1994. Position 2 — TENURE-TRACK ASSISTANT PROFESSOR. The University of California, Irvine invites applications for this position to participate in teaching Medical Biochemistry. Prior experience in teaching of medical students is required. This position is available immediately, but no later than November 1, 1994. Email: schwartz@nymc.edu.

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 - $116,529 PA. (M.D.s may be eligible for up to $20,000 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 $129,300,000. 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, Room7A-2
9000 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, handicap status, age, or membership or nonmembership in an employee organization

NIH is an Equal Opportunity Employer

Research Scientist
Hematopoiesis

Progenesys, a new joint venture between SyStemix, Inc. and Sandoz Pharmaceutical Corp., is applying its highly advanced hematopoietic cell-based, somatic gene therapies against HIV infection. We are seeking a team expert in hematopoietics and stem cell biology to work toward optimization of retroviral transduction of hematopoietic stem cells.

Requires a Ph.D. in hematology and 2+ years' post-doctoral experience in stem/progenitor cell growth, differentiation and behavior. Experience with gene transfer into hematopoietic stem/progenitor cells highly desirable.

We offer a highly competitive compensation package. For immediate consideration, please send your CV to Progenesys, Dept. SRL94, 3155 Porter Drive, Palo Alto, CA 94304; fax (415) 813-4121. EOE.

ASSISTANT PROFESSOR
BACTERIAL OR VIRAL IMMUNOLOGY

The Department of Microbiology and Immunology of the Bowman Gray School of Medicine, Wake Forest University, invites applications for a tenure-track position, beginning July 1, 1995, for an individual with a research program that focuses on the nature of the immune response against pathogenic bacteria or viruses. The successful candidate will be expected to establish a strong, independent research program and participate in the training of Ph.D. students and the teaching of medical students. The Department has strong research programs in the areas of cytokines, T cell biochemistry, bacterial pathogenesis, virus assembly and pathogenesis, neutrophil biochemistry, and mRNA metabolism. NIH-funded training grants in Immunology and Pathogenesis and Cell Signaling (with the Department of Biochemistry) are available for the support of students. The Comprehensive Cancer Center of Wake Forest University and the Program in Molecular Genetics provide outstanding core facilities for a range of research needs and offer outstanding opportunities for research collaborations. Applicants should send a curriculum vitae, description of research plans, and the names and addresses of three references to: Dr. Steven B. Mizel, Department of Microbiology and Immunology, Bowman Gray School of Medicine, Medical Center Blvd., Winston-Salem, NC 27157-1064. Wake Forest University is an Equal Opportunity/Affirmative Action Employer.
TENURE-TRACK ASSISTANT PROFESSOR/RUTGERS UNIVERSITY

The Institute of Marine and Coastal Sciences of Rutgers University invites applications for a position as a tenure-track ASSISTANT PROFESSOR. We seek an oceanographer with research interests in phytoplankton ecology and/or water column geochemistry. Experience in organism identification and morphometrics is desirable. Applicants must possess a Ph.D. and must have the potential to develop a research program involving significant undergraduate participation. The position is available September 1, 1994. Women and minority candidates are especially encouraged to apply. Applications should be sent to: Dr. Alan R. Grizzly, Director, Institute of Marine and Coastal Sciences, Rutgers University, P.O. Box 231, New Brunswick, NJ 08903. Rutgers University is an Equal Opportunity/Affirmative Action Employer.

CELL BIOLOGIST CARNegie MELLON UNIVERSITY

The Department of Biological Sciences, Carnegie Mellon University, seeks a CELL BIOLOGIST for a tenure-track appointment at the ASSISTANT PROFESSOR level. Exceptional candidates for appointment at a higher level will also be considered. Candidates should have a demonstrated interest in molecular and/or cellular aspects of biological processes. The position will be at the Carnegie Mellon University, 4400 Fifth Avenue, Pittsburgh, PA 15213. Application deadline: November 15, 1994. Carnegie Mellon University is an Equal Opportunity/Affirmative Action Employer.

BIOCHEMISTRY: The Department of Chemistry at The University of Toledo invites applications and nominations for a tenure-track ASSISTANT PROFESSOR faculty position in the field of biological chemistry or any associated area of chemistry. The position requires a Ph.D. in chemistry or biochemistry and postdoctoral experience. An outstanding record of achievement in research as well as a clear commitment to excellent instruction in chemistry at all levels will be required. Each application will consist of a detailed résumé, a synopsis of future research plans and three or more letters of recommendation. Applicants should contact Dr. Max O. Funk, Jr., Department of Chemistry, University of Toledo, 2801 West Bancroft Street, Toledo, OH 43660. Review of applications will begin on October 15, 1994, and continue until the position is filled. The University of Toledo is an Affirmative Action and Equal Employment Opportunity Employer/Male/Female/Disabled/Veteran.

BIOLOGY: Boston University seeks an ASSOCIATE or FULL PROFESSOR for its graduate Department of Cognitive and Neural Systems. Candidates should have an international research reputation, preferably including extensive research experience in modeling nonlinear neural networks, especially in one or more of the following areas: vision and image processing, adaptive pattern recognition, cognitive information processing, speech and language, and neural network technology. Send a curriculum vitae and three recommendation letters to: Search Committee, Department of Cognitive and Neural Systems, Room 1212, 220 Bay State Road, Boston, MA 02215. Boston University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR. Tenure-track, nine-month academic year appointment, Ph.D. in wildlife management or related field and expertise in applied field research on wild mammals required. Responsibilities in- clude establishing a research program oriented towards management of wild mammals; teaching courses in wildlife management, wildlife conservation, and general biology; and advising undergraduate and graduate students. Starting date August 1995. All applicants must request complete application materials from: Search Committee, Biology Department, Montana State University, Bozeman, MT 59717. Telephone: 406- 994-4355. Review of applications will begin in October 1995. Montana State University is an Equal Opportunity/Affirmative Action Employer.

MICROBIOLOGIST

Tenure-track position at the ASSISTANT PROFESSOR level beginning August 1995 for a broadly trained microbiologist studying cikustronates or prokaryotes with demonstrated strength in molecular microbiology or molecular genetics. The candidate must possess a Ph.D. and, have the potential to develop a research program involving significant undergraduate and graduate student participation. The position is available September 1, 1994. Women and minority candidates are strongly encouraged to apply. The University of Arizona is an Equal Opportunity/Affirmative Action Employer.

An ASSOCIATE PROFESSORSHIP is available in the Department of Microbiology, Biochemistry, and Genetics at the University of New Mexico School of Medicine, Albuquerque. Responsibilities include teaching and research at the graduate and undergraduate levels. Applicants should have an excellent research record and a demonstrated commitment to teaching. Women and minority candidates are especially encouraged to apply. The University of New Mexico School of Medicine is an Equal Opportunity, Affirmative Action Employer.

ODONTOLOGICAL MEDICINE: The College of Dentistry, University of Washington, invites applications for a tenure-track ASSOCIATE PROFESSOR position in the area of periodontal biology and molecular biology. Responsibilities would include teaching courses in periodontology and research. The successful candidate should have a Ph.D. or equivalent doctoral degree and a strong record of research in the basic sciences or molecular biology of the periodontium. Women and minority candidates are especially encouraged to apply. The University of Washington is an Equal Opportunity/Affirmative Action Employer.

BIOCHEMISTRY: The Department of Chemistry at the University of North Carolina at Chapel Hill invites applications for a TENURE-TRACK POSITION in biological chemistry. The successful applicant should have a Ph.D. in biochemical sciences with a strong record of research, and the ability to teach biochemical chemistry and graduate chemistry courses and develop undergraduate biochemical research programs. All applicants must have a Ph.D. in biochemistry or a closely related field. The University of North Carolina is committed to diversity in the academic community and encourages applications from women and minority candidates. The University of North Carolina is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION: The Department of Embryology at The University of Washington seeks a FACULTY MEMBER with a nascent or established research program in any aspect of cell or developmental biology. The Department of Embryology is part of a large research network at the University of Washington. Applicants should send a curriculum vitae, statement of research interest, and three letters of recommendation to: Dr. R. H. S. Wakeham, Department of Embryology, University of Washington, Seattle, WA 98195. The University of Washington is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION: Department of Cell or Developmental Biology

The Department of Embryology at the Carnegie Institution of Washington seeks a FACULTY MEMBER with a nascent or established research program in any aspect of cell or developmental biology. The Department of Embryology is part of a large research network at the Carnegie Institution of Washington (CIW) and is affiliated with and is situated on the campus of The Johns Hopkins University in Baltimore. Applicants should send a curriculum vitae, statement of research interest, and three letters of recommendation to: Director, Department of Embryology, Carnegie Institution of Washington, 115 West University Parkway, Baltimore, MD 21210. The University of Maryland is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION: Internal Medicine and Molecular Genetics

The Department of Internal Medicine at Emory University School of Medicine invites applications for a full-time, 12-month, tenure-track ASSISTANT or ASSOCIATE PROFESSOR in the area of molecular genetics. Responsibilities include teaching medical students and participating in the University's research activities. The successful candidate should have completed an internal medicine residency and a fellowship in molecular genetics. Applicants should send a curriculum vitae, names of three references, and a description of research interests to: Department of Internal Medicine, Emory University School of Medicine, Atlanta, GA 30322. Applications will be reviewed as they are received. The University of Georgia is an Equal Opportunity/Affirmative Action Employer.

THE MEDICAL COLLEGE OF GEORGIA, MEDICAL SCIENCE DIVISION

The Medical College of Georgia invites applications and nominations for the position of VICE PRESIDENT FOR RESEARCH. The Vice President for Research, reporting directly to the President, will be the senior administrative leader of research development efforts. This position will involve all aspects 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. The successful candidate 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 efforts. Academic appointment to one of the departments within the institution is desirable, and opportunities exist for ongoing involvement in academic and research programs. Interested applicants should submit a curriculum vitae, a letter describing the candidate's research, academic and administrative experience, and the names and addresses of three references no later than October 1, 1994, to: Dr. Barry D. Goldstein, Chair of Search Committee, Medical College of Georgia, 1120 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 Departments of Molecular and Human Genetics, and Pediatrics are jointly recruiting a DIRECTOR for the Baylor College of Medicine and Texas Medical Center MRRC (Medical Research and Research Center). The Baylor MRRC was founded in 1988, and is one of the 14 NIHICHD-supported Centers dedicated to the study of the prevention, treatment, and amelioration of mental retardation and developmental disabilities. The Baylor MRRC currently supports eight core laboratories, 53 research projects, 48 investigators, and 130 trainees. The successful candidate will be a Physician Scientist with an established research commitment to the medical and biological sciences. Baylor College of Medicine is an Equal Opportunity/Affirmative Action Employer.
Staff Scientist/Molecular Biology Research Associate

The Theobald Smith Research Institute, Inc. (TSRI) is a not-for-profit corporation established in 1985 to conduct research and development in the field of public health. In concert with the New England Regional Newborn Screening Program, TSRI develops and evaluates methodologies for efficient, low-cost laboratory screening of newborns to prevent sequelae of disorders that could cause mental retardation and other life-compromising conditions.

The scientist will work as an integral part of an applied research team dedicated to implementation of molecular diagnostics for neonatal disorders. The successful candidate will have experience in amplification technologies, a solid background in chemistry, interest in microprocessor-based instrumentation and a strong appreciation for quality control. A Ph.D. with 2 years post-doctoral work or equivalent experience is preferred.

Please send resumes with cover letter and salary history to: Personnel Office.

Theobald Smith Public Health Services Laboratory
305 South Street
Jamaica Plain, MA 02130
Attn: Julie Schmitt
EEO/AA Employer

The Hopkins Marine Station
of Stanford University
Announces the Availability of
The David and Lucile Packard Chair in Marine Biology

The Hopkins Marine Station of Stanford University invites applications for the David and Lucile Packard Chair in Marine Biology. We seek candidates who have made outstanding scholarly contributions in marine biology and who would like to focus a significant portion of their future research on the biota of Monterey Bay and its surrounding waters. We are particularly interested in candidates who are intellectually broad within the broad scope of marine biology and who use an interdisciplinary approach to fundamental biological questions. Candidates with expertise at any level of analysis (e.g., molecular, cellular, organismic, ecological, or population) are encouraged to apply, especially those with a significant portion of their research focused at the organismal level or above.

The successful candidate will be expected to participate in the undergraduate and graduate teaching programs at the Marine Station and develop new courses in their area of expertise.

The appointment will be made at the full professor level in Stanford's Department of Biological Sciences with residence at the Hopkins Marine Station.

Applications, including research interests, curriculum vitae, and the names of five references, should be sent to: Marine Biology Search Committee, Hopkins Marine Station, Stanford University, Pacific Grove, CA 93950; no later than October 30, 1994.

Stanford University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

Chair of Biochemistry
(Re-advertisement: Ref. 93/94-66)

Applications are invited for the Chair of Biochemistry. Applicants should possess an outstanding record of academic achievements, and be able to provide strong leadership in vigorously promoting the Department's teaching and growing research activities. The Chair is open to applicants within the broad disciplines of molecular life sciences.

The Department is engaged in active research in molecular genetics of inherited diseases, developmental immunology, neurochemistry, biochemical parasitology, enzymology, signal transduction, glycoconjugate and protein structure and function, calcification and molecular embryology. There are strong research links with the clinical departments of the Faculty of Medicine.

Appointment will normally be made on a two or three-year fixed term contract, but consideration may also be given to appointment on superannuable terms.

The University reserves the right not to fill the Chair or to fill the Chair by invitation or to make an appointment at a lower level.

Annual Salary: (under review) [non-superannuable but attracting 15% (taxable) terminal gratuity] will be within the professorial range, of which the minimum is HK$836,580 and the average is HK$1,034,760 (approx US$108,647 and US$130,950 respectively; US Dollar equivalents at 19 July 1994), with starting salary depending on qualifications and experience. At current rates salaries tax will not exceed 15% of gross income. Housing at a charge of 7.5% of salary, children's education allowances, leave and medical benefits are provided.

Further particulars and application forms may be obtained from the Appointments Unit, Registry, The University of Hong Kong, Hong Kong (fax: (852) 559 2058; E-mail: APPTUNIT@HKUVM1.HKU.HK). Particulars are also available on the University's listserv accessed by E-mail as "listserv@hkuvml.hku.hk" (specify "get appointment filelist" for list of vacant posts, and "help" for details of listserv commands). Closes 27 October 1994.

Theobald Smith Public Health Services Laboratory
305 South Street
Jamaica Plain, MA 02130
Attn: Julie Schmitt
EEO/AA Employer
**POSITIONS OPEN**

**PROGRAM DIRECTOR FOR SLSTP**

A PROGRAM DIRECTOR position is open at Florida A&M University (FAMU) in the NASA-sponsored Space Life Sciences Training Program (SLSTP). Duties include serving as Program Director in conducting the day-to-day operations of the program in consultation with the Kennedy Space Center in Florida. An applicant must possess a Ph.D. in Life Sciences or related area and some experience in teaching and research at a college or university. Please submit a detailed curriculum vitae and three letters of recommendation before October 30, 1994.

- **Dr. K. Ken Redda**
  - College of Pharmacy and Pharmaceutical Sciences
  - Florida A&M University
  - Tallahassee, FL 32307
  - Telephone: 904-599-3910
  - FAMU is an Equal Opportunity and Equal Access Institution.

**FACULTY POSITIONS**

**DEPARTMENT OF BIOCHEMISTRY**

University of Illinois
College of Medicine

Applications and nominations are invited for tenured faculty positions at the level of ASSOCIATE or FULL Professor. Applicants at the Assistant Professor level should have a Ph.D., postdoctoral experience, a strong record of research accomplishments, and demonstrable potential for the development of an independent research program. Applicants should conduct research nationally and internationally recognized extramurally funded research program. All areas of biochemistry will be considered; however, we are especially interested in individuals using transgenic mouse technology to investigate problems related to gene regulation in the context of molecular biology and medicine, development, signal transduction and molecular immunology. The department is one of six basic science departments in the largest College of Medicine in the United States and consists of 19 full time faculty and 13 joint appointees. The University of Illinois, College, and campus are well equipped and have research facilities that will support any area of contemporary biomedical research. In recent years we have recruited several senior and junior faculty and are most interested in fostering independent research environment of interactive collegiality. Applications should include a curriculum vitae, a summary of current and future research plans and the names, addresses, telephone/FAX numbers of at least three individuals for references. All inquiries will be held in confidence. Review of applications will begin after January 2, 1994. Send applications or nominations to: Chair, Faculty Search Committee, Department of Biochemistry (M/C 535), University of Illinois College of Medicine, 1819-53 West Polk Street, Chicago, IL 60612. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

**RICE UNIVERSITY**

Department of Biochemistry and Cell Biology

Faculty Position

Applications are invited for a tenure-track faculty position in biological sciences including the areas of cell and developmental biology, biochemistry, neurobiology, and molecular biology. Clear evidence of research excellence and teaching potential is essential. Emphasis in recruiting will be at the Assistant Professor level, but other levels may be considered. Review of applications will commence on October 15, 1994, and the position will remain open until filled. Please send curriculum vitae, summary of past research and future research plans, and four letters of reference to:

- **Faculty Search Committee**
- Department of Biochemistry and Cell Biology
- Rice University, MS-1492
- Houston, TX 77251-1892
- Rice University, Affirmative Action/Affirmative Action Employer; women and minority candidates are encouraged to apply.

**BIOCHEMIST RESEARCH SCIENTIST**

La Jolla Pharmaceutical Company seeks a dynamic BIOCHEMIST for its inflammation research group. Candidates should have a Ph.D. in biochemistry, with training or experience in infectious diseases, gene therapy, enzyme purification, and molecular biology. Experience in protein purification in insect cells or yeast will be a plus. For immediate consideration, please send your resume to: La Jolla Pharmaceutical Company, c/o BCPS, 6455 Nanc Y Ridge Drive, San Diego, CA 92121.

**FACULTY POSITIONS**

**PLANT PHYSIOLOGY**

University of Toronto, Scarborough Campus

The Life Sciences Division at the Scarborough Campus of the University of Toronto invites applications for a FACULTY POSITION in plant physiology. Applicants must have a Ph.D. (or equivalent), and preferably one or more years of postdoctoral experience. The successful candidate will be expected to develop a strong research program in undergraduate and graduate teaching, and to develop a strong research program. Interested applicants should submit a complete curriculum vitae, a statement of research and teaching interests, three letters of recommendation, and copies of recent reprints to: Professor Colin M. MacLeod, Chair, Division of Life Sciences, Scarborough Campus, Scarborough, Ontario M1C 1A4 Canada. Deadline for receipt of applications is 15 December 1994. The appointment will be at the ASSISTANT PROFESSOR level, and salary will be commensurate with qualifications. The position will be effective 1 July 1995, subject to budget approval. In accordance with Canadian immigration regulations, all submissions will be given to Canadian citizens and land immigrants (permanent residents) of Canada. The University of Toronto has an employment policy and encourages applications from women, members of visible minorities, aboriginal peoples, and persons with disabilities.

**FACULTY POSITION IN CARDIOVASCULAR PATHOPHYSIOLOGY**

The Department of Anesthesiology at the University of Michigan Medical Center has a beginning level tenure-track position available in the area of cardiovascular physiology. Applicants with a Ph.D. and/or M.D. degree are expected to have training in an appropriate scientific discipline. Experience in the integration of physiological, tissue culture systems, biochemical and immunological principles with analytical methodologies such as HPLC, GC, fluorescent probes and electrophysiology are required. Experience in ischemia-reperfusion models, free radical injury, intra- and intercellular communication and biological effects of anesthetics will be given preference. Candidate must have a minimum of three years of postdoctoral experience. A successful candidate would be expected to conduct a research program which will lead to extramural funding in these areas and teach within the department. Submit curriculum vitae and three references with a brief statement of research plans to: Dr. B.N. Lu, M.D., Ph.D., Director of Research, Department of Anesthesiology, University of Michigan, Medical Center, 1500 East Medical Center Drive, Ann Arbor, MI 48109-0572. Applications will be accepted through November 15, 1994. The University of Michigan is an Equal Opportunity/Equal Access Employer. Minority and women candidates are encouraged.

**FACULTY POSITION IN RADIATION BIOLOGY**

AT STANFORD UNIVERSITY

The Division of Radiation Biology of the Department of Radiation Oncology is seeking an ASSISTANT PROFESSOR, (tenure-line) to complement existing programs in bioreductive drugs, gene therapy, tumor physiology and DNA repair. The division is seeking an individual who is applying basic molecular approaches to the repair of DNA damage by ionizing radiation and/or repair responses to low oxygen environments. Applicants should have a strong publication record and demonstrated ability to obtain extramural support. Candidates should submit a curriculum vitae and names of three references to: Dr. J. Martin Brown, Director, Division of Radiation Biology, Department of Radiation Oncology, Stanford University School of Medicine, Stanford, CA 94305-5468. Stanford University is committed to increasing representation of women and members of minority groups on its faculty and is an Affirmative Action/Equal Opportunity Employer.

**DEAN COLLEGE OF SCIENCE**

California State Polytechnic University, Pomona, California, is seeking applications and nominations for DEAN OF THE COLLEGE OF SCIENCE. Required qualifications: earned doctorate; record of research, teaching and scholarly activity; leadership, administration, and governance; and three or more years of administrative experience requiring academic leadership and stewardship. For application/job description, telephone: 909-867-3499; fax: 909-867-4395; or Email: sjcardona@csupomona.edu. Affirmative Action/Equal Opportunity Employer.

**POSITIONS OPEN**

**FACULTY POSITION, UCLA**

**PLANT DEVELOPMENTAL BIOLOGY**

The Department of Biology, Division of Cell and Molecular Biology, would like to add to existing strength in Plant Molecular Biology. UCLA is interested in the portion of proven research and teaching accomplishment in the area of Plant Developmental Biology. The level of the appointment is open. The successful candidate will be expected to use molecular and genetic techniques to address questions of fundamental importance for plant development. We are particularly interested in establishing a collaborative research group in the areas of plant reproduction and signal transduction. The candidate will participate in teaching undergraduates in an integrated life sciences curriculum at both the lower and upper division levels. Applicants should send their curriculum vitae, a concise research statement indicating future plans as well as the current program, and a statement of teaching interests and experience to: Plant Development Search Committee, Biology Department, UCLA, Los Angeles, CA 90024-1006. Candidates for a junior position should have three letters of recommendation sent to the same address. Candidates for a senior position should include names of three references. The committee will start considering candidates by November 1, 1994, and continue until the position is filled.

UCLA is an Affirmative Action/Equal Opportunity Employer. Women, minorities, and persons with disabilities are encouraged to apply.

**BIOMEDICAL RESEARCH IN CELL AND NEUROBIOLOGY**

FACULTY POSITIONS are available at the junior or senior level in cell biology, including the cell biology of neurons. Areas of interest are cell growth control, signal transduction mechanisms, synaptic function and neurodegenerative disease, but areas which fortify and complement existing research strengths in cell and neurobiology will also be considered. Direct relevance to problems of the medical interest is not required. Genetic, transgenic, and traditional approaches are desirable. Appointments will carry institute-backed salary guarantees and liberal start-up packages for personnel, equipment, and operating costs.

Submit a detailed curriculum vitae, a brief summary of research interests and future research plans, and three letters of recommendation to: Dr. Richard Valle, Scientific Director c/o Human Resources

The Worcester Foundation for Experimental Biology

222 Maple Avenue
Shrewsbury, MA 01545


**RESEARCH INSTRUCTOR—(Grant Funded)**

The Department of Microbial Microbiology and Immunology at the Oregon Health Sciences University is seeking to fill a non-tenure-track position. Candidates must have a Ph.D. (Molecular Biology or Microbiology), three years of postdoctoral training in research on microbial pathogenesis and DNA repair, bacteria, iron acquisition systems and molecular biology of prokaryotic transposons, one year teaching, and the first authorship of six research articles in peer-reviewed journals. Position will remain open for 30 days following publication of advertisement. Send curriculum vitae and the names of four references to: Brian Canavan, Department of Microbiology and Immunology, L220, Oregon Health Sciences University, Portland, OR 97201-3088. An Affirmative Action/Equal Opportunity Employer.

**POSTDOCTORAL RESEARCH FELLOW positions**

The Department of Biophysics and Medical Physics at the University of Pennsylvania is immediately available for postdoctoral research in physical and applied sciences. Candidates must possess a Ph.D., M.D., or equivalent degree. The Microcirculation Postdoctoral Fellow will conduct research investigating the cellular and microvascular responses to acute inflammation and septic shock. The Cardiovascular/Skeletal Muscle Postdoctoral Fellow will be involved in the cellular and molecular biology of muscle degeneration. Send letter of application, curriculum vitae, recent publications, and names, addresses and telephone numbers of three references to: C. David Januzo, PhD., Director, Microcirculation Institute, Trenton/Princeton, NJ 08621-1799. An Equal Opportunity Employer.
Applications made good salary scale (£13,941 sequences. funded Biochemistry, names experience years. in RNA Dr Ian Towardse equal are Sequences on of first post. The tel: (0116) RESEARCH welcomed. The in protein to investigating by salary is £17,813 University of Leicester, confidence to: Baxter Biotech Hyland Division, Human Resources Department 1710 Flower Avenue, Duarte, CA 91010. Employment is contingent upon the result of a drug screening test. An Affirmative Action/Equal Opportunity Employer.
Yeast Molecular Genetics

Postdoctoral Fellow/Visiting Assistant Professor position available to study yeast molecular and genetic mechanisms. The project will focus on the identification of host genes essential for transcription and replication of these elements by the characteristic of defective mutations. Position will require the candidate to be a strong candidate in molecular genetics, preferably in a microbial system. This is a non-tenure-track position and funding is available for a minimum of two years. The position will have some additional duties. To apply, please send summary of research experience and interests, curriculum vitae and the names of three references. Send curriculum vitae, three letters of reference, and the names of three references to Dr. John R. Skalski, jrs@ecs.washington.edu or 206-543-1191. Send curriculum vitae, summary of research experience, and two letters of recommendation to: Ms. Phoebe Burgert, School of Fisheries, WIE 10, University of Washington, Seattle, WA 98195. Affirmative Action/Equal Opportunity Employer.

Cell Cycle Structural Biologists

Postdoctoral Positions are available for collaborative research to study cyclin-dependent kinases, the regulation of cell cycle progression by cyclin-dependent kinases, and the role of cyclin-dependent kinases in the control of metabolism. The project will involve the use of purified cyclin-dependent kinases and their complexes with regulatory proteins. Please send curriculum vitae and three letters of recommendation to: Dr. John Tainer, Department of Pharmaceutical Sciences, Box 8231, University of Southern California, Los Angeles, CA 90032. Equal Opportunity/Affirmative Action Employer. Women and minorities encouraged.

University of California, Berkeley

Postdoctoral Positions are available to study the mechanism of action of folate-dependent enzymes, the regulation of one carbon metabolism, and the expression of genes coding for folate-dependent enzymes by nutritional factors and by antifolates. Send curriculum vitae and at least three letters of reference to: Dr. Thomas J. Rosenthal, Department of Microbiology and Immunology, Temple University School of Medicine, 4400 North Broad Street, Philadelphia, PA 19140. FAX: 215-707-7788. An Equal Opportunity/Affirmative Action Employer. Applications from women and minorities are encouraged.

FISHESER STATISTICON
University of Washington

Postdoctoral Position as a Research Consultant for Quantitative Science, School of Fisheries, is available immediately to develop, design, and implement fish and wildlife tagging studies. The position involves estimation of in-river and ocean survival rates of Columbia-Snake River salmonids using tag-recapture methodologies. The candidate should have a Ph.D. in statistics or biometry with experience in applying estimation theory to environmental problems. Experience in numerical analyses, statistical programming, technical writing and mark-recapture theory desired. Salary: $38,000 to $45,000. Questions may be referred to: Dr. John P. Skalski, jrs@ecs.washington.edu or 206-543-1191. Send curriculum vitae, summary of research experience, and two letters of recommendation to: Ms. Phoebe Burgert, School of Fisheries, WIE 10, University of Washington, Seattle, WA 98195. Affirmative Action/Equal Opportunity Employer.

Cell Cycle Structural Biologists

Postdoctoral Positions are available for collaborative research to study cyclin-dependent kinases, the regulation of cell cycle progression by cyclin-dependent kinases, and the role of cyclin-dependent kinases in the control of metabolism. The project will involve the use of purified cyclin-dependent kinases and their complexes with regulatory proteins. Please send curriculum vitae and three letters of recommendation to: Dr. John Tainer, Department of Pharmaceutical Sciences, Box 8231, University of Southern California, Los Angeles, CA 90032. Equal Opportunity/Affirmative Action Employer. Women and minorities encouraged.

Postdoctoral Scholar

NIH funded positions in University of Kentucky Medical Center to study expression of viral and eukaryotic genes, or to perform advanced studies in protein biochemistry. Send curriculum vitae, with names and telephone numbers for three references to: Dr. John Tainer, Molecular Biology MB4, The Scripps Research Institute, La Jolla, CA 92037. FAX: 619-554-6880; Email: jat@scripps.edu. Minority applicants encouraged.

Postdoctoral Fellow

A position is available in January 1995 to study mechanisms of signal transduction across cell membranes. The work will focus on the structure, function, and regulation of cell surface receptors. Experience in molecular biology is essential. Send curriculum vitae and names of three references to: Dr. Eva J. Neer, Harvard Medical School, Department of Physiology and Biophysics, 222 Neville Street, Boston, MA 02115. Equal Opportunity/Affirmative Action Employer.

Positions Open

The Division of Biology, California Institute of Technology, seeks a Junior Faculty Member in the area of molecular and cell biology. Applicants are expected to generate creative and productive research programs that will interface with the diverse scientific interests represented in the Biology Division. Applicants should send a curriculum vitae, list of publications, and a brief statement of research interests and plans. In addition, the candidate should arrange to have three letters of reference sent directly to the Division of Biology. The application deadline is November 1, 1994. Send curriculum vitae and three letters of reference to: Csaba Szabo, Division of Biology, California Institute of Technology, Pasadena, CA 91125. Equal Opportunity/Affirmative Action Employer.

Postdoctoral Positions

Applications are available to study protein-DNA interactions and protein assembly using biochemical and biophysical approaches. Current projects include (1) mechanistic studies of helicase-catalyzed DNA unwinding and (2) thermodynamic and kinetic studies of protein-DNA interactions. Send curriculum vitae and three references to: Dr. Lewis F. Porter, Department of Biochemistry, University of North Carolina, School of Medicine, Box 7828, Chapel Hill, NC 27514-7828. Equal Opportunity/Affirmative Action Employer.

Positions Open

The Division of Biology, California Institute of Technology, seeks a Junior Faculty Member in the area of molecular and cell biology. Applicants are expected to generate creative and productive research programs that will interface with the diverse scientific interests represented in the Biology Division. Applicants should send a curriculum vitae, list of publications, and a brief statement of research interests and plans. In addition, the candidate should arrange to have three letters of reference sent directly to the Division of Biology. The application deadline is November 1, 1994. Send curriculum vitae and three letters of reference to: Csaba Szabo, Division of Biology, California Institute of Technology, Pasadena, CA 91125. Equal Opportunity/Affirmative Action Employer.
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 97201-3098 OHSU is an Affirmative Action/Equal Opportunity Employer

ANNOUNCEMENT

POTAMKIN PRIZE FOR RESEARCH IN PICK'S, ALZHEIMER'S AND RELATED DISEASES

A prize of $100,000 will be awarded by the American Academy of Neurology to a person(s) in recognition of major contributions to the understanding of the causes and the prevention, treatment, and ultimately the cure for Pick's, Alzheimer's and related diseases.

Candidates may be nominated on a world-wide basis from any of the biological disciplines including biochemistry, molecular biology, molecular genetics, pharmacology, immunology, physiology, cell biology, neuropathology or epidemiology.

A nomination application, nominating letter citing the scientific accomplishments of the candidate in detail, two supporting nominating letters, a curriculum vitae, and up to six (6) selected reprints in nine (9) complete sets are required.

The deadline for receipt of materials is November 1, 1994. No nomination will be considered unless it is complete. The awardee(s) must be present for the AAN Scientific Program, at its annual meeting in Seattle, Washington, on Tuesday, May 9, 1995.

Request application and submit nomination to:
Potamkin Prize for Research in Pick's, Alzheimer's and Related Diseases American Academy of Neurology 2221 University Avenue S.E. - Suite 335 Minneapolis, MN 55414 (612) 623-8115

The Potamkin Prize is funded through the philanthropy of the Potamkin Foundation.

FARMING SYSTEMS RESEARCH SCIENTIST

A Farming Systems Research (FSR) program is being developed at the University of Guelph as a component of a broader Agri-Food Systems Research Program. The FSR program will also be closely associated with the program of a Chair in Ecosystem Health funded for four years through ECORESEARCH: A Tri-Council Green Plan program of the Government of Canada.

A tenure track position in the Ontario Agricultural College, is available at the Assistant or Associate Professor level for an established scientist to provide leadership in the FSR program. Candidates must have a broad understanding of the components of agricultural systems, a strong commitment to a systems approach to multidisciplinary research and a demonstrated ability to provide leadership to an interdisciplinary team. Familiarity with the use of mathematical analysis and modelling procedures in agricultural systems research is desirable. As a faculty member of the University of Guelph, genuine commitment to student education and interaction is essential.

The University of Guelph is committed to an Employment Equity Program that includes special measures to achieve diversity among its faculty and staff. We therefore, particularly encourage applications from qualified aboriginal Canadians, persons with disabilities, members of visible minorities and women.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

Position subject to final budgetary approval.

Interested applicants or nominators should provide a full curriculum vitae, and a list of three references, by October 31, 1994 to:

Dr. L.P. Milligan
Vice-President, Research
University of Guelph
Guelph, Ontario N1G 2W1.

CABM SYMPOSIUM

Transcriptional Control in Growth and Development

C. Abate T. Curran
J. Darnell C. Gélinas
G. Felsenfeld J. Kadonaga
M. Levine S. McKnight
S. Orkin D. Reinberg
S. Tilghman C. Wu

Sponsored by the Center for Advanced Biotechnology and Medicine in cooperation with Johnson & Johnson Pharmaceutical

Registration: Linda Van Der Veer, CABM Symposium, 679 Hoes Lane, Piscataway, New Jersey 08854; 908-235-5309. $75 Registration Fee; No charge for Students or Post-Docs (with certification); $10 Box Lunch for October 27 (Register by October 7, 1994).
The Candidate. Must have documented experience in antiepileptic drug research using in vivo methods. The success of this research must be dynamic, result-oriented, with good collaboration skills. Applications are welcome from individuals with only postdoctoral experience as well as individuals who qualify as senior scientists.

The Job. The applicant will be responsible for running an epilepsy drug research laboratory. The lab is part of the CNS pharmacology group within the drug discovery division at Novo Nordisk. The job involves rodent anticonvulsant screening and characterization of drugs in a strongly project-oriented environment. It is also expected that the candidate is involved in independent/collaborative research which may lead to new drug discovery research projects. The company offers a competitive salary and many possibilities for development of personal and professional skills.

The Company. Novo Nordisk is one of the world's leading biotech companies and a major supplier of insulin and insulin-related products (more than 11,000 employees). The Pharmaceuticals Division is located in a newly built research facility in Maaloev, some 20 kilometers outside of Copenhagen. The building is located on a hilltop overlooking beautiful countryside.

Applications with the mark "Chemist, 702" should be forwarded to: PD Human Resources, Novo Nordisk A/S, DK-2880 Bagsvaerd as soon as possible. Further information about the job may be obtained by contacting: Dr. Erik B. Nielsen, telephone: +45 44424690; FAX: +45 44662980.

POSTDOCTORAL POSITION available immediately to study the neuronal and genetic basis of behavior in the nematode C. elegans. Cell-attached, whole-cell, and perforated patch recordings will be used to analyze biochemical and molecular properties of identified neurons contributing to normal and mutant behaviors. Extensive patch clamp experience is preferred. Please send curriculum vitae and names of three references by 1 November 1994 to Dr. S. R. Lockery, Institute of Neuroscience, 1254 University of Oregon, Eugene, OR 97403. The University of Oregon is an Affirmative Action/Equal Opportunity Institution committed to cultural diversity and compliant with ADA.

POSTDOCTORAL POSITIONS AT MEMORIAL SLOAN-KETTLENGER CANCER CENTER

Available to examine the role of chimeric transcription factors in human leukemia using biochemical, immunoprecipitation, and transgenic mouse models. Ph.D. or M.D. degree and extensive molecular biology experience required. Send a description of your research interests, curriculum vitae and names of two references to: Dr. Stephen Nimer, Sloan-Kettering Institute, 1275 York Avenue, New York, NY 10021. Memorial Sloan-Kettering Cancer Center is an Equal Opportunity Employer.

SENIOR SCIENTIST/TOXICOLOGIST—for scientific affairs group of New York bioethicals company. Responsibilities include the generation, monitoring and defense of FIFRA related studies for the EPA as well as staff work related to EPA interactions. Previous FIFRA experimental skills and ability to work independently required. Ph.D./M.S. Send resume to Maktehsh-Agan of North America Inc., 551 Fifth Avenue, New York, NY 10175, Attention HR.

LAB SPECIALIST ADVANCED. Virginia Commonwealth University is recruiting a Lab Specialist Advanced for a grant-supported experiment. Responsibilities to include data preparation for results for presentation and assistance in the supervision of the research lab. B.S., M.S., or Ph.D. Expertise in mammalian cell cultures, protein biochemistry, hybridoma production, immunosuppression, enzyme kinetics and molecular techniques. Submit resume indicating position number R5049 to: Virginia Commonwealth University, Personnel Office, Richmond, VA 23228-0066. Equal Employment Opportunity/Affirmative Action. Women, minorities and disabled are encouraged to apply.

LAB SPECIALIST ADVANCED. Virginia Commonwealth University is recruiting a Lab Specialist Advanced for a grant-supported experiment. Responsibilities to include data preparation for results for presentation and assistance in the supervision of the research lab. B.S., M.S., or Ph.D. Expertise in mammalian cell cultures, protein biochemistry, hybridoma production, immunosuppression, enzyme kinetics and molecular techniques. Submit resume indicating position number R5049 to: Virginia Commonwealth University, Personnel Office, Richmond, VA 23228-0066. Equal Employment Opportunity/Affirmative Action. Women, minorities and disabled are encouraged to apply.

COORDINATOR OF SCIENTIFIC PROGRAMS

Cleveland Metroparks Zoo

Responsible for grant development, staff research project development, supervision of research projects by outside scientists, and personal research. Requires Ph.D. in biology or related field. Experience coordinating and managing a research institute in a zoo and a proven grant development and publication record preferred. For further information contact: Dr. Hugh Quinn, 216-651-6500, extension 215 or send resume and/or curriculum vitae by November 4, 1994, to Cleveland Metroparks Personnel Department, 4101 Fulton Parkway, Cleveland, OH 44144.
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.

**Cellular and Gene Therapy**
Gary D. Swergold, MD, PhD
Expression of the human LINE-1 element in germ cell tumors, its mechanism of transposition, and its role in the formation of human mutations are being investigated. Studies include the role of isochromosome 12p (a feature of testicular tumors) in LINE-1 expression, and the development of a novel transposition assay. Experience in cell culture and molecular biology or genetics preferred. Division of Cellular and Gene Therapy (OE-53), FDA/CBER (HFM 515) 1401 Rockville Pike, Rockville, MD 20852-1448.

**Immunopathogenesis of Tuberculosis**
Michael Brennan, PhD
Virulence factors associated with mycobacterial pathogenesis are currently being identified and characterized using immunological, molecular, and microbiological techniques. Applicants must be US citizens or permanent residents with experience in cellular immunology and vaccine delivery systems. Laboratory of Mycobacteria (OE-53), FDA/CBER (HFM 431), 1401 Rockville Pike, Rockville, MD 20852-1448.

**Mechanisms of DNA Repair**
Miriam Sander, PhD
Mechanisms of DNA repair in *Drosophila* are being investigated with focus on the in vivo and in vitro functions of Rpl1 (Recombination repair protein 1). This protein is potentially important in DNA repair and homologous recombination. Future studies will include enzymatic, physical, and genetic characterization of Rpl1. Applicants must have less than five years postdoctoral experience. Laboratory of Molecular Genetics (OE-53), NIEHS, P.O. Box 12233, Mail Drop D3-04, Research Triangle Park, NC 27709.

**Molecular Biology in the Eye Lens**
Graeme J. Wistow, PhD
Lenses crystallins arise by gene recruitment of enzymes and stress proteins. The mechanisms of this novel process in molecular evolution, including lens-specific gene expression, and the lens and non-lens functions of crystallins are being studied. Another area of interest is in small development-specific proteins with important general roles in cell growth and differentiation. Experience in molecular biology preferred. Laboratory of Molecular and Developmental Biology (OE-53), NEI, Building 6, Room 222, 6 CENTER DR MSC 2730, BETHESDA MD 20892-2730.

**Neurophysiology and Molecular Biology**
Mark L. Mayer, PhD
Positions are available in a multidisciplinary group of physiologists and molecular biologists working on ion channels and glutamate receptor structure and function. Current interests include allosteric regulation, agonist selectivity, and regulation of desensitization. Applicants must have less than five years postdoctoral experience and training in electrophysiology or molecular biology. Laboratory of Cellular and Molecular Neurophysiology (OE-53), NICHD, Building 49, Room 5A78, 49 CONVENT DR MSC 4495, BETHESDA MD 20892-4495.

**Regulation of Gene Expression**
Ana B. Chepelinsky, PhD
A position is available to study the tissue specific expression of genes encoding channel proteins in the lens. Research focuses on the interaction of transcription factors with cis regulatory elements of these genes, using transient assays, in vitro binding assays and transgenic mice. Applicants must have less than five years postdoctoral experience. Laboratory of Molecular and Developmental Biology (OE-53), NEI, Building 6, Room 211, 6 CENTER DR MSC 2730, BETHESDA MD 20892-2730.

**Signal Transduction and Molecular Biology**
Larry M. Wahl, PhD
The signal transduction pathway leading to the production of matrix metalloproteinases by monocytes is being investigated. Problems under analysis include the effect of cytokines on the kinases, prostaglandin synthase, and transactivating factors involved in metalloproteinase synthesis. Applicants should have less than five years postdoctoral experience. Laboratory of Immunology (OE-53), NIDR, Building 39, Room 325, 30 CONVENT DR MSC 4352, BETHESDA MD 20892-4352.

**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 (wylbur.cu.nih.gov) or modern (1,301-402-2221 or 1,800-558-2221 with parameters set at "@,EVEN,1"). When connected to NIH, type in ".v100" for terminal emulation, "PSE" for initials, and "AJL1" for account number. The Postdoctoral Research Fellowship Opportunities Catalog, which describes intramural laboratories at the NIH, is also available by request. An electronic version of the catalog may be accessed via the Internet using either the Gopher Information System (gopher.nih.gov) or the World Wide Web (http://www.nih.gov). When connected, select Research Opportunities at the NIH from the Office of Education. If you would like to request a catalog or have further questions, please contact the Office of Education, Building 10, Room 1C129, 10 CENTER DR MSC 1158, BETHESDA MD 20892-1158, 301-496-2427, FAX: 301-402-0483.

**To Apply**
If you hold a doctoral degree (e.g., PhD, MD/PhD, 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 Fellowships for Minority Candidates

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

Fellowship awards are given for up to three years and are based on merit, recommendation and promise of a productive career in biomedical research. Stipends are highly competitive. Minority applicants should provide a curriculum vitae, a brief description of their research interests, and have three references. This should be sent to:

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

DEAN—DIVISION OF BIOLOGICAL SCIENCES
University of California, Davis

The University of California, Davis invites applications and nominations for the position of Dean—Division of Biological Sciences. The division is an intercollegiate unit that administers academic units in basic biology for the College of Agricultural and Environmental Sciences and the College of Letters and Science. It is organized into five sections: Evolution and Ecology; Microbiology; Neurobiology; Physiological and Behavioral; Molecular and Cellular Biology; and Plant Biology. The division administers four undergraduate majors in biology involving more than 3,200 students in the College of Agricultural and Environmental Sciences and the College of Letters and Science. It provides administrative support for nine campus-wide graduate groups involving more than 350 students.

The Dean is the chief academic and administrative officer of the Division responsible for academic planning, budgetary operations, and academic and staff personnel administration for all five sections. The Dean participates in campus-wide policy development through membership on the Council of Deans and Vice Chancellors and chairs the Administrative Coordinating Council for Biological Sciences, which is responsible for coordinating and planning campus wide programs in basic biology.

We seek candidates with a deep commitment to academic excellence who can lead the Division in its continuing development. Qualifications include a distinguished record of research, teaching, and professional service; demonstrated ability for creative leadership and management; and the energy and vigor to generate ideas into action. The University of California, Davis, has a strong institutional commitment to the achievement of diversity among its faculty, staff and students and seeks an individual who shares that commitment.

Review of candidates will begin October 31, 1994. The position will remain open until filled. Nominations, applications, and requests for additional information should be addressed to:

Larry N. Vanderhoef, Chancellor
Office of the Chancellor
University of California, Davis
Davis, CA 95616-6558

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To research inhibitory and/or salvation based techniques, Bay progression investigates specific programs both inside and outside the company. In addition to a Ph.D. with 6+ years’ industrial or academic experience, your background must demonstrate training in cell biology and molecular biology. Skills in PCR analysis, cloning techniques, transcriptional activation assays, and Northern and Southern blots, as well as training in flow cytometry analysis of the cell cycle and cell cycle kinase assays are strongly desired. Dept. 894-027.

SCIENTIST
Computational Chemistry
Working on structured-based drug design, you will be involved in computational studies related to the binding of inhibitors to enzymes and the structure of small peptides. You will also build models of receptors based on experimental data. Along with a Ph.D. in chemistry or biophysics, you will need 1-3 years of experience performing computational studies of conformational structure and molecular properties. Experience in computational studies of enzyme inhibitor binding and/or solvation effects desired. Dept. 894-030.

As a US subsidiary of an international Fortune 500 company, Berlex is proud to offer competitive salaries and a generous benefits package. To apply, send your C.V./resume, indicating the department number corresponding with the position of your interest, to: BERLEX, HUMAN RESOURCES EMPLOYMENT, 15049 SAN PABLO AVE., RICHMOND, CA 94804-0099. EOEs: Principals only please.

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SENIOR SCIENTIST
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Focusing on cell cycle regulation and progression in the mammalian cell, you will investigate specific cell cycle checkpoints and regulatory proteins as targets for therapeutic intervention in cancer. This will involve establishing and coordinating concept research programs and collaborating with other research teams both inside and outside the company. In addition to a Ph.D. with 6+ years’ industrial or academic experience, your background must demonstrate training in cell biology and molecular biology. Skills in PCR analysis, cloning techniques, transcriptional activation assays, and Northern and Southern blots, as well as training in flow cytometry analysis of the cell cycle and cell cycle kinase assays are strongly desired. Dept. 894-027.

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Loyola University of Chicago invites applications or nominations for the position of Associate Vice President for Research. The Associate Vice President for Research will also serve as the Director of University Research Services. We seek candidates with an earned doctorate (M.D., Ph.D., etc.), outstanding academic credentials commensurate with senior faculty member in a university department, previous experience in research administration, and a strong commitment to fostering research and its development in a university setting.

The Associate Vice President for Research will be responsible for 1) the development, implementation, and supervision of policies governing the conduct of research and research programs throughout the University, 2) the coordination and management of research services offices and activities provided at Loyola’s Lake Shore, Water Tower, and Medical Center Campuses, 3) serving as the representative and advocate for the research community by providing advice and consultation to the University administration, Deans, Academic Chairs, and Faculty that will enhance the University’s research mission, 4) representing the University research community in matters pertinent to local, state, and federal research related issues, 5) working with Faculty and the University Development office to identify and facilitate opportunities for research funding, 6) overseeing the University Research Committee, safety committees, and all technology transfer activities. The Associate Vice President for Research reports jointly to the Senior Vice President and Dean of Faculties, and to the Executive Vice President for the Medical Center.

Loyola University of Chicago, a private Jesuit institution, is composed of the College of Arts & Sciences, Mundelein College, and the Schools of Business, Education, Law, Medicine, Nursing, Social Work, and the Graduate School.

Please address all questions and nominations/applications with a current Curriculum Vitae by October 30, 1994.

Associate Vice President for Research Search Committee
Loyola University Chicago
Room 0742
2160 South First Avenue
Maywood, Illinois 60153
TX: 708-216-5940
FAX: 708-216-9433

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  - Morris Brown College
  - University of Hawaii
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Posters and oral presentations are solicited in the following areas:
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- Younger Scientists Session
- Biorecognition in Therapeutics
- Emerging Technologies in Biorecognition
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- Molecular Aspects of Biorecognition
- DNA-Protein / DNA-RNA Interaction
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selected for a short *ad hoc* presentation. The abstracts should be
sent to:

Dr. Christopher Bieniarz
Abbott Laboratories
Abbott Park AP20, D-90U, IL 60064-3500.
Tel: (708) 937-2239; Fax: (708) 938-7072
and they must be received by December 1, 1994.
The abstract forms are from the above address.

NATIONAL INSTITUTE ON DRUG ABUSE
National Institutes of Health

Seeks research scientists for 1-4 year appointments to
develop major extramural research programs.

The National Institute on Drug Abuse is seeking research
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In particular, the Institute is seeking science administra-
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Individuals must have a Ph.D. or M.D. degree and at least
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lat vitae and statements of interests to: Marge Hutton,
Personnel Officer, 5600 Fishers Lane, Rockville, MD
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The Center for Neuroscience and the UC
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include computational neuroscience, the
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However, academic excellence will be
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The University of California is interested in
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standards of scholarship and professional
activities and are committed to the develop-
ment of a campus climate which supports
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position is open until filled, but applications
should be received by November 15, 1994 to
be assured full consideration.

Applicants should send curriculum vitae and
the names of at least three references to:
Michael S. Gazzaniga, Ph.D., Center for
Neuroscience, University of California, Davis,
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Postdoctoral Positions in Biochemistry
University of Missouri-Columbia

<table>
<thead>
<tr>
<th>Dr. Susan Deutscher</th>
<th>Dr. John Rogers</th>
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| Antibody engineering, nucleic acid-protein interaction | Hormonal regulation of plant genes an
| Dr. David Emerich | vacular protein targeting |
| Symaptic nitogen fixation | Dr. Frank Schmidt |
| Dr. Milton Reuther | RNA structure and function |
| Protein glycation | Dr. Cleopas Samudzi |
| Dr. William Folk | Macromolecular crystallography |
| Animal and plant cell gene regulation | Dr. Grace Sun |
| Dr. Tom Guilfoyle & Gretchen Hagen | Signal Transduction in neuronal cells |
| Regulation of plant gene expression | Dr. Roger Sunde |
| Dr. mark Hinnink | Selenoprotein molecular biology |
| Transcription factors and oncogenesis | Dr. Peter Tipton |
| Dr. Dennis Lubahn | Enzyme mechanisms |
| Biochemical genetics of estrogen receptors | Dr. Suresh Tyagi |
| Dr. Mark Martin | Regulation of proteinases and |
| Transcription factors and development | antiproteinases |
| Dr. Thomas Mawhinney | Dr. Steve Van Doren |
| Cystic fibrosis and glycoprotein genetics | Protein structure by multidimensional |
| Dr. Bruce McClure | NMR |
| Angiostem self-incompatibility | Dr. Judy Wall |
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| Phystohormone biosynthesis and control | Dr. Gary Weisman |
| Dr. Beryl Ortworh | Mammalian cell nucleotide receptors |
| UV photochemistry and base formation | |
| Dr. Charlotte Phillips | |
| Biochemical genetics of collagen expression | |
| Dr. Joseph Polacco | |
| Genetics of plant nitrogen assimilation | |
| Dr. R.M. Roberts | |
| Interferons, reproductive tract | |

Applicants should send CV and two letters of
reference to one of the above faculty at:
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University of Missouri
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Fax: 314-882-5635

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The Center for Biologics Evaluation and Research (CBER) and the Center for Drug Evaluation and Research (CDER) are searching for outstanding physicians and scientists. CBER regulates blood, vaccines, biological therapeutics and related products according to statutory authorities in order to protect and enhance the public health. CDER promotes, protects, and enhances the health of the public through the drug development and evaluation process. Candidates should have special interest in mechanisms of action, benefits and risk of drugs; skill in critically analyzing; skill in writing; knowledge of biostatistics, clinical trial design and computers; and experience in research and/or teaching. These positions have a high degree of independence and involve complex medical, scientific, and regulatory issues.

**QUALIFICATIONS:** US Citizenship required. Some positions will accept Staff Fellowship applications from Permanent Residents eligible for citizenship within four years. **Physicians:** All requirements for a Doctor of Medicine or Osteopathy Degree from an accredited institution must be completed. Graduates of Foreign medical schools must submit a copy of their permanent Educational Commission for Foreign Medical Graduates (ECFMG) certification. Board eligibility or certification in a primary specialty, or having completed at least four years of residency training or possess equivalent experience is desirable. **Scientists:** Doctoral level degrees in biology or physical sciences, pharmacology, toxicology, or related disciplines, along with advanced training and/or experience in the development, manufacture or testing of biologics is desirable. **Salary Range for GS-13 to GS-15:** Physicians: $59,099 to $91,029 per annum. In addition, physicians may also be eligible for a physicians comparability allowance up to $20,000 per annum. Scientists: $35,045 to $90,252 per annum. Salary, benefits, research support, and level of responsibility is commensurate with education and experience. Send an Application for Federal Employment. **APPLY:** (SF-171) and/or current detailed Curriculum Vitae along with bibliography, statement of regulatory/research interest, transcript, and names of three references to:

**CBER: FDA/Center for Biologics Evaluation and Research (12), 1401 Rockville Pike, Suite 200N, HFM-50, Rockville, MD 20852-1448.**

**CDER: FDA/Center for Drug Evaluation and Research (184), 5600 Fishers Lane, Room 11B-22, HPD-505, Rockville, MD 20857.**

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Applicants should contact George Pitmon 703-306-1187 (hearing impaired individuals may call TDD 703-306-0090) to request vacancy announcements for complete qualification requirements and application procedures. Please refer to the following announcement numbers when requesting material and specify appointment type(s) in which you are interested. Director, Office of Legislative and Public Affairs (EP-94-13); Director, Division of Public Affairs, OLPA (EP 94-20). Applications must be received by October 18, 1994.

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Several fellowships are available for research on the genetic, molecular, cellular, and developmental aspects of cancer biology. The faculty include: Michael J. Banda (wound repair; proteinases and proteinase inhibitors), James E. Cleaver (DNA repair and transcription disorders; transgenic models of repair-deficient diseases), William F. Morgan (molecular mechanisms of chromosome damage and repair; delayed chromosomal instability), John P. Murmane (mechanisms of rearrangement of the mammalian genome), Roger A. Pedersen (early mammalian development; gastrulation; genomic imprinting; transgenic mice; homologous recombination), Zena Werb (ECM signaling; metalloproteinases; mammalian development; tissue repair; mammary epithelium), and Sheldon Wolff (chromosome damage and repair, radiation cytogenetics, SCEs). Stipends are funded through NIHGS. The requirements are a Ph.D. degree or equivalent, preferably in genetics, biochemistry, molecular biology, cell biology or development. Trainees must be U.S. citizens or permanent residents. Send resume, graduate transcript, statement of research interests, and three letters of recommendation by December 15, 1994 to: Dr. Zena Werb, Program Director, Laboratory of Radiobiology and Environmental Health, University of California, San Francisco, CA 94143-0750.

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We are currently seeking a creative scientist to design, develop and validate bio/immunoasays used in detecting novel drugs in preclinical and large-scale clinical trial samples. Primary responsibilities will involve evaluating new assay techniques, investigating methods for increasing reagent shelf-life, participating in general lab operations, preparing reagents, and maintaining records/equipment as required by cGMP. Candidates must hold a Ph.D in a related discipline and have 1-3 years of relevant industry experience. A strong familiarity with the measurement of drugs in biological fluids, automated assay systems, bio- and chemicoluminiscence, protein conjugation chemistry, assay validation, statistical analysis, and cGMPs is highly desirable.

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CHIEF LABORATORY FOR EXTRATERRESTRIAL PHYSICS

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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 plasmas, 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 post-graduate 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

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CHAIRPERSON OF IMMUNOLOGY: The Medical College of Georgia invites applications from individuals with M.D., Ph.D., or M.D./Ph.D. degrees for the position as Chairperson of the Department of Immunology and Microbiology. We seek an outstanding candidate who will provide strong scientific leadership and the ability to recruit additional faculty for a Department that has support in place for major growth and expansion. The position will include an appointment within the new Institute of Molecular Medicine and Genomics which has an overall focus on mechanisms of cell signaling. The individual sought for Chairperson of Immunology should have a strong background in signal transduction within the immune system and be able to lead the development of a major transgenic animal facility. He or she should also have an established background in training biomedical scientists. A specific interest in tolerance and autoimmunity is highly desirable.

The position provides excellent opportunities for developing collaborative research programs among the Clinical and Basic Science Departments at the medical school and with the Division of Biological Sciences at the University of Georgia. This is a tenure track position at the Professor level.

APPLICATIONS AND NOMINATIONS: The deadline for receipt of applications and nominations is October 31, 1994. Applications should include a current vita and a letter describing the significant qualifications and particular interests the applicant would bring to the position. Proposals of the Georgia Open Records Act are applicable; vitae of applicants must be revealed on request.

Applications, nominations, and requests for additional information regarding the position should be sent to:

John A. Hardin, M.D.
Chair, Search Committee for Chairperson, Department of Immunology and Microbiology
Chairman, Department of Medicine, Bi 548
Medical College of Georgia
Augusta, GA 30912-3100
Fax: 706-721-6918

The Medical College of Georgia is an affirmative action, equal opportunity employer. We especially urge applications and nominations of women and racial minorities.

CARIOVASCULAR PHARMACOLOGIST

SmithKline Beecham Pharmaceuticals has an international reputation for taking an innovative approach to drug discovery and development. Our success is built on the collaboration of multidisciplinary teams of scientists who share ideas and expertise while working in top-flight facilities on projects that are challenging and diverse.

Currently, we are seeking an Associate Scientist in Cardiovascular Pharmacology to assist in applying cellular biochemical and molecular biology approaches to the identification of novel factors that regulate vascular smooth muscle and endothelial cell growth.

This position requires a B.S./B.A./M.S./M.A. in Biomedical Science, 3-5 years’ relevant cardiovascular biology experience and a background in cell culture, molecular biology, and computers. A working knowledge of vascular pharmacology with emphasis on endothelial and smooth muscle cell biology further qualifies you.

Based in our modern, state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation and benefits package. For confidential consideration, please submit your resume and the names of three references to: SmithKline Beecham Pharmaceuticals, Employment Administrator, H0050, PO Box 679, Conshohocken, PA 19428. We are an Equal Opportunity Employer, M/F/D/V.

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LECTURESHIP IN BIOREMEDIATION
School of Biology and Biochemistry

This is a new post, tenable from 1 December 1994, or such other date as may be agreed.

The lecturer will be required to maintain an active research programme in the area of bioremediation, with special emphasis on the application of molecular biological techniques to the solution of problems in the area of the physiology, biochemistry and genetics of micro-organisms which play a role in bioremediation and microbial biodegradation processes, to seek external funding for such a programme and to collaborate as appropriate with staff in the School, in the QUESTOR Centre and elsewhere.

Applicants must have a B.S.c. or equivalent and a Ph.D. or equivalent in biological or other appropriate area(s), a strong research record appropriate to the interests of the School and obvious potential as an independent research academic. Postdoctoral experience, University lecturing experience, and an ability to obtain outside funding and to publish independently are desirable.

Informal enquiries may be made to Professor Martin, Director of School (0232) 245-133 ext. 2060.

Salary scale: Lecturer Grade A: £14,756 - £19,326, or Grade B: £20,133 - £25,735 with eligibility for USS. Assistance with relocation as appropriate.

Further particulars are available from the Personnel Officer, The Personnel Department, The Queen’s University of Belfast, BT7 1NN Northern Ireland (telephone (0232) 245-133 ext 3044/3246 or FAX (0232) 324944/310629). Closing date: 7 October 1994.

Committed to an Equal Opportunities policy and selection on merit, the University welcomes applications from all sections of the community. Under its affirmative action programme it particularly welcomes applications from women for academic posts. It reserves the right to interview only those applicants who appear, from the information available, to be the most suitable in terms of experience, qualifications and other requirements of the post advertised.
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