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- What are the latest developments in identifying disease genes?
- What are the social and policy issues facing us in the future?

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### POSITIONS OPEN

#### ASSISTANT PROFESSOR

**NEUROSCIENCE**

The Department of Psychology at the Southern Illinois University at Carbondale, invites applications for a tenure-track Assistant Professor position in the area of clinical psychology beginning in the Fall of 2019. The Department is seeking to fill a position with a focus in the area of cognitive psychology. The position is a tenure-track position at the ASSISTANT PROFESSOR level. Applicants must hold a Ph.D. in Psychology, have completed no less than two years of postdoctoral training and have demonstrated ability to conduct independent research. The successful candidate will have the opportunity to teach a variety of courses within the psychology curriculum. The successful candidate will be expected to develop and maintain an active research program. The position includes a research assistant position. The Department has an active research program in the areas of cognitive psychology, social psychology, and developmental psychology. The position includes a research assistant position. The successful candidate will have the opportunity to teach a variety of courses within the psychology curriculum. The position includes a research assistant position. The Department has an active research program in the areas of cognitive psychology, social psychology, and developmental psychology. The position includes a research assistant position. The successful candidate will have the opportunity to teach a variety of courses within the psychology curriculum. The position includes a research assistant position. The Department has an active research program in the areas of cognitive psychology, social psychology, and developmental psychology.

#### ASSOCIATE PROFESSOR

**NEUROSCIENCE**

The Department of Psychology at the Southern Illinois University at Carbondale, invites applications for a tenure-track Associate Professor position in the area of cognitive psychology beginning in the Fall of 2019. The Department is seeking to fill a position with a focus in the area of cognitive psychology. The position is a tenure-track position at the ASSOCIATE PROFESSOR level. Applicants must hold a Ph.D. in Psychology, have completed no less than two years of postdoctoral training and have demonstrated ability to conduct independent research. The successful candidate will have the opportunity to teach a variety of courses within the psychology curriculum. The successful candidate will be expected to develop and maintain an active research program. The position includes a research assistant position. The Department has an active research program in the areas of cognitive psychology, social psychology, and developmental psychology. The position includes a research assistant position. The successful candidate will have the opportunity to teach a variety of courses within the psychology curriculum. The position includes a research assistant position. The Department has an active research program in the areas of cognitive psychology, social psychology, and developmental psychology.

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STAFF SCIENTIST OPENINGS

The Energy Analysis Program at Lawrence Berkeley Laboratory is an interdisciplinary research group focusing on energy and environmental issues at local, national and international levels. Located in the Berkeley hills, the Laboratory has a spectacular view of the entire San Francisco Bay Area, whose rich and diverse culture has much to offer. As a program with extensive experience and leadership in many areas, the program has grown 15% per year for the past 4 years. In a time when energy and environmental issues are becoming a major priority in government and the private sector’s planning, we are in a strong position to continue expanding in order to find solutions to increasingly imminent and challenging problems.

The program is currently seeking qualified applicants to fill up to 11 Staff Scientist positions that will lead or conduct research in the following areas:

- Residential and commercial appliances and equipment (B/1507)
- Commercial sector HVAC equipment (B/1505)
- Residential appliance efficiency (B/1504)
- Urban heat islands (B/1656 and B/1729)
- Long-term forecasting of end-use energy consumption (B/1503)
- Energy use and conservation in commercial buildings (B/1655)
- Energy use and efficiency in developing countries (B/1654)
- Energy-related environmental issues (B1629)
- Energy-efficiency policies in the US and/or formulating a national action plan to limit greenhouse gas emissions (B/1534 and B/1566)

The Staff Scientist position is a senior laboratory research position. Staff Scientists participate in the formulation, planning, execution, and evaluation of projects, and are expected to work independently. Many of the positions require experience in managing and carrying out complex projects and supervising others’ work. Researchers in the Energy Analysis Program must have excellent written and verbal communication skills and work well in groups. The program’s unique and non-traditional working environment encourages creative and innovative approaches to issues which cross many disciplines.

Relevant backgrounds for these positions include: electrical and mechanical engineering, physical sciences, computer science, public policy, energy and environmental studies, and economics. In most cases the successful applicant will have a Ph.D. or considerable research experience.

LBL offers competitive salaries and comprehensive benefits. For detailed descriptions of current job openings please contact (include job number): Lawrence Berkeley Laboratory, Staffing Office, Box #JSCI, One Cyclotron Road, Bldg. 938A, Berkeley, CA 94720. Lawrence Berkeley Laboratory is an Equal Opportunity Employer committed to diversity in the workplace.

BIOLOGICAL MECHANISMS AND QUANTITATIVE RISK ASSESSMENT

The Health Effects Research Laboratory of the U.S. Environmental Protection Agency is pleased to announce that its first annual Symposium will be held November 1-4, 1993, at the Sheraton Imperial Hotel & Convention Center in Research Triangle Park, North Carolina. The Symposium will focus on the role of biological mechanism research in future risk assessment strategies. The role of mathematical models of biological systems in integrating research activities and reducing uncertainties in the risk assessment process will be discussed. An opportunity will be provided for presenting posters on topics related to the theme of the Symposium. For more information on the Symposium or for submission of abstracts, please contact:

HERL Symposium Coordinator
Research and Evaluation Associates, Inc.
100 Europa Drive, Suite 590
Chapel Hill, North Carolina 27514
(919) 967-4098
(919) 967-4098, (FAX)
Molecular Structure

Selected candidates will join an expanding group at Amgen whose primary responsibility is to resolve the atomic structures of proteins and other molecules that are potential targets for development as human therapeutics. You will also be encouraged to participate in an active program to develop small molecule and peptide mimetics through rational design. Our department is equipped with state-of-the-art data collection facilities for both high-field NMR and X-ray crystallography (Bruker 500 and 600 MHz spectrometers; RAXIS-II image plate area detector). UNIX-based computational resources include a Convex C340 and a variety of graphic workstations, including SGI, Evans and Sutherland, and VMS platforms. In addition to the technical requirements as described below, candidates should have a strong working knowledge of both protein modeling and molecular graphics tools, and enjoy working in a highly interdisciplinary environment.

NMR: Candidate should demonstrate expertise in either the practical application of multi-dimensional, heteronuclear NMR methods to protein structure determination, and/or in the computational methods used to calculate solution structures from experimentally derived distance restraints. Familiarity with UNIX and SGI workstations is desirable. Ph.D. and a minimum of 2 years postdoctoral experience in structural biochemistry or a related discipline are essential. (Job Code OA-SC-DC-012)

X-ray Crystallography: Candidate should demonstrate expertise in all aspects of protein crystallography, including crystal growth, data-collection methods, phase determination, model building and refinement. Working knowledge of software and hardware capable of achieving these steps is required. Ph.D. and a minimum of 2 years postdoctoral experience in protein crystallography are required. (Job Code OA-SC-DC-013)

Postdoctoral Positions: Structural biochemists with backgrounds in NMR and X-ray crystallography are encouraged to apply. (Job Code OA-SC-DC-014)

Carbohydrate Chemistry

NMR: Candidate will join a research group working on the synthesis of biologically active molecules, particularly of oligosaccharides, and will have responsibility for the operation of a Bruker ARX 400 MHz instrument. Candidate should have excellent theoretical and practical knowledge of NMR spectroscopy, including multinuclear and 2D techniques, particularly applied to the structure determination and the conformation of oligosaccharides. Strong working knowledge of molecular modeling programs, computer systems and graphic software is required. Familiarity with mechanisms of interaction of proteins with their biological ligands necessary. Self motivation is necessary in this interdisciplinary environment in which team collaboration and individual initiative are both expected. (Job Code OA-SC-DC-015)

Amgen provides its staff members with a highly competitive compensation and benefits package that include a retirement and savings plan, on-site child care and fitness centers, medical/dental/life insurance plans, and three weeks vacation. For confidential consideration, please FAX/mail curriculum vitae to: FAX: (805) 447-1985, Amgen Inc., Staffing, Job Code (See Above), Amgen Center, Thousand Oaks, CA 91320-1789.

We are an Equal Opportunity Employer M/F/D/V.
EPITHELIAL CELL BIOLOGY FACULTY POSITION

A tenure-track ASSISTANT PROFESSORSHIP is available in the epithelial cell biology program in relation to such topics as transport, assembly, and functions of mucosal immunoglobulins and molecular pathogenesis of infectious diseases. Experience desirable in molecular biology, but not necessary in immunology. The individual (M.D. or Ph.D.) will direct an independent program in new research space in the overall context of an active mucosal immunology group. The opportunity is available to graduate students. Send curriculum vitae, names of three references, and statement of background and interests to: Dr. M. W. L. Lam, Immunology, Case Western Reserve University School of Medicine, 2085 Adelbert Road, Cleveland, OH 44106-9707. An Equal Opportunity/Affirmative Action Employer.

BIOLOGY, ASSISTANT PROFESSOR. The Department of Biology at Agnes Scott College invites applications for a tenure-track position starting August 1994. Candidates are expected to have completed the Ph.D. by the time of appointment. We will teach courses in plant biology, ecology, and field biology. Knowledge of southeastern ecosystems is desirable. Will be expected to provide sound leadership for introductory course reorganization and with a noted departmental group in the development of a science center for women; and to be familiar with the application of technology to biological education and with institutional standards for women’s education. Scholarship may include research specialty and/or pedagogy.

Agnes Scott is a Presbyterian-affiliated, liberal arts college for women located in metropolitan Atlanta, Georgia. To ensure full consideration, applications should be received by November 8, 1993. Send letter of application describing teaching interests and scholarly plans; curriculum vitae; and names, addresses and telephone numbers of three professional references to: Dr. John F. Filla, Department of Biology, Agnes Scott College, Decatur, GA 30030-3797. Members of underrepresented groups are urged to apply. An Equal Opportunity Employer.

EMORY UNIVERSITY

ANALYTICAL CHEMISTRY FACULTY POSITION. The Department of Chemistry at Emory University invites applications and nominations for a tenure-track position in Analytical Chemistry at the ASSOCIATE PROFESSOR level. Areas of particular interest include biomolecular and materials science. This is an opportunity to join a respected analytical chemistry faculty. A Ph.D. in Chemistry is required. Applicants should send curriculum vitae and an outline of research plans, and arrange for three recommendations to be sent to: Professor Joseph B. Justice, Analytical Search Committee Chair, Department of Chemistry, Emory University, Atlanta, GA 30322. Completed applications will be considered until November 15, 1993. Emory University is an Equal Opportunity/Affirmative Action Employer.

MICROBIOLOGIST OR VIROLOGIST. The University of Illinois College of Medicine at Peoria invites applications for a full-time tenure-track INSTRUCTOR/ASSISTANT PROFESSOR position, with expertise in virology or other areas in microbiology. An investigative focus in infectious diseases, mechanisms of pathogenesis or cell-molecular biology is desirable. The Department of Basic Sciences offers an excellent opportunity to develop independent and collaborative research programs within a multidisciplinary basic and clinical research environment. Duties will include development of an independent research program and teaching virology and microbiology in the basic sciences curriculum for medical students and residents. Candidates should have an earned doctorate, at least two years of postgraduate training, and a strong commitment to research achievement. Salary is commensurate with experience and training. Applicants should send curriculum vitae, statement of research plans and teaching experience, and names and addresses of references to: Dr. M. A. Miller, Chair, Microbiology/Virology Search Committee, Department of Basic Sciences, University of Illinois College of Medicine at Peoria, 1217 N. Jefferson Street, Peoria, IL 61656; Telephone: 309-671-8530; FAX: 309-671-8403. The University of Illinois is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR OF CHEMISTRY, Brown University, in Organic Chemistry. Applications from individuals with exceptionally strong qualifications in organic chemistry, biochemistry, or closely related fields, and exhibiting promise for outstanding research. A Ph.D. is required. Send curriculum vitae, research statement, three letters of recommendation to: Dr. Robert K. Hoffmann, Chair, Organic Chemistry Search Committee, Department of Chemistry, Brown University, Providence, RI 02912. The deadline for filing applications is November 19, 1993. Women and minority candidates are especially encouraged to apply. Brown University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS IN CELL, MOLECULAR AND STRUCTURAL BIOLOGY

Applications are invited for tenure-track positions, at the level of ASSISTANT PROFESSOR, in the Department of Cell, Molecular and Structural Biology at Northwestern University Medical School. Applicants must have a Ph.D., M.D. or equivalent degree, postdoctoral experience, and research experience in cell, molecular and structural biology. Applicants will be screened with respect to technical research accomplishments and interest in research and to participate in the teaching programs administered by the department. Candidates whose research demonstrates an ability to contribute to cell, molecular and structural biology, particularly those employing transgenic animals, are encouraged to apply, although outstanding applicants with research interests in other areas of cell and molecular biology will be considered. Send complete curriculum vitae and a brief description of research interests and plan for future research interests to: Dr. Rex Chisholm, Chair, Search Committee, Department of Cell, Molecular and Structural Biology, Northwestern University Medical School, 303 East Chicago Avenue, Chicago, IL 60611.

Northwestern University is an Equal Opportunity/Affirmative Action Educator and Employer and invites applications from all qualified individuals. Applications from women and minorities are especially sought.

DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY, UNIVERSITY OF MARYLAND AT COLLEGE PARK (UMCP) invites applications for one tenure-track position in biochemistry and biophysical chemistry (with special consideration given to protein and nucleic acid research). Areas of activity include analytical or chemical chemistry. The positions are likely to be filled at the ASSISTANT PROFESSOR level, but the department will consider outstanding candidates at higher levels. UMCP encourages applications from women and members of minority groups and is an Equal Opportunity/Affirmative Action Employer. Submit a resume and a short description of research plans and three letters of reference to be sent to: Faculty Search Committee, Department of Chemistry and Biochemistry, University of Maryland, College Park, MD 20742. For additional information, call: Prof. G. Helz at 301-405-1797. We will begin evaluations on November 1, 1993, but new candidates can be considered until the positions are filled.

TENURE-TRACK POSITION IN STRUCTURAL BIOLOGY

The School of Biological Sciences invites applications for a tenure-track ASSISTANT OR ASSOCIATE PROFESSOR in the Division of Cell Biology and Biophysics. This position is intended to expand faculty expertise in the area of electron microscopy and diffraction, and will complement the simultaneous but independent development of a high-resolution X-ray crystallography facility. The candidate’s research area in microscopy should be consistent with the research programs of the School emphasizing molecular structure and recognition as applied to biological molecules and their supramolecular assemblies. We seek an individual with demonstrated potential to establish independent, extramurally funded research programs, and with good communication skills and personality. Opportunities of the School include graduate courses in the biological sciences, basic health science courses in medical and dental programs and undergraduate programs in biology and chemistry. Reasonable research space, start-up funds, and excellent core facilities are available. Review of applications will begin November 5, 1993. Submit curriculum vitae, statement of research goals and teaching interests, and three letters of reference to: Dr. H. F. Kung, 301, 350 Market Street, Philadelphia, PA 19104. Equal Opportunity Employer/Affirmative Action Employer.
Howard Hughes Medical Institute

Predoctoral Fellowships in Biological Sciences

66 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
- $14,000 annual stipend
- $12,700 annual cost-of-education allowance

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

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 5, 1993
Awards announced: early April 1994
Fellowships start: June 1994–January 1995

For 1994 Program Announcements, Eligibility Guidelines, and Applications
Hughes Fellowship Program
The Fellowship Office
National Research Council
2101 Constitution Avenue
Washington, D.C. 20418, United States of America
Telephone (202) 334-2872

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.
**Post-Doctoral Position**

The National Cancer Institute, National Institutes of Health, Public Health Service, requests applications for a Post-Doctoral Fellow located in the Medical Ovarian Cancer Section of the Medicine Branch, Clinical Oncology Program in Bethesda, MD. Salary range is $28,000 - $40,000.

**Qualifications:**

- American citizen or permanent resident
- At least three years practical experience, as demonstrated by scientific publications, in the measurement of expression levels of human DNA repair genes in:
  - a) fresh human tissues,
  - b) tissue culture materials.
- At least three years practical experience, as demonstrated by scientific publications, in the measurement of clinically relevant levels of DNA damage from anti-cancer agents in:
  - a) fresh human tissues,
  - b) tissue culture materials.
- At least three years practical experience in training others in the techniques involved in the measurement of DNA repair, gene expression, and clinically relevant levels of DNA damage from anti-cancer agents.

All applications should be sent to:

Robert Wittes, M.D., Chief Medicine Branch, COP, DCT
National Cancer Institute
Building 10, Room 12N212
9000 Rockville Pike
Bethesda, MD 20892

All applications must be postmarked within 30 days of the date of this issue of SCIENCE. All applications should include the following:

- a) Curriculum vitae and bibliography
- b) Cover letter including date and place of birth, and if indicated, proof of permanent U.S. residency
- c) C.V. should detail education and training, as well as current resident.

NCI is an Equal Opportunity Employer

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**DIRECTOR OF THE YERKES REGIONAL PRIMATE RESEARCH CENTER**

**EMORY UNIVERSITY**

Atlanta, Georgia

Emory University seeks a new Director of the Yerkes Regional Primate Research Center. The Director is the chief administrative and scientific leader of this federally supported research center and reports to the Vice President for Health Affairs/Director of the Woodruff Health Sciences Center.

Emory University, a private university, has an enrollment of 9,800. The University's academic divisions include Emory College and Oxford College; the Graduate School of Arts and Sciences; the Schools of Business, Law, Medicine, Nursing, Public Health, and Theology. The Health Sciences Center also includes two major teaching hospitals and five affiliate hospitals.

The Yerkes Center is dedicated to the improvement and enhancement of human health and welfare through the study of nonhuman primates and consists of 6 divisions: behavioral biology, neurobiology and vision, pathology and immunobiology, reproductive biology, administrative services, and animal resources. The Yerkes Center has 169 faculty and 140 support staff with a total operating budget of $122.2 million.

Qualifications include the following: a doctoral degree in one of the health science disciplines; tenable at the rank of full professor; significant scientific and administrative responsibilities and accomplishments in biobehavioral or biomedical research; a national reputation as a scientist, preferably involving nonhuman primates; and a collegial and collaborative management style.

Nominations, applications and requests for information should be directed to:

Mahlon R. DeLong, M.D.
Chair, Director of the Yerkes Center Search Committee
c/o Paula Carabelli
Korn/Ferry International
1800 Century Park East, Suite 900
Los Angeles, California 90067
(310) 552-1834

Each candidate is asked to submit a letter of interest; a current curriculum vitae; and the names, positions and phone numbers of five references who will be contacted only after candidate's approval and at the appropriate time. Screening will be ongoing on October 29, 1993.

Emory University is an EEO/AA employer and strongly encourages all to apply.

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**THE MCDONNELL SUMMER INSTITUTE IN COGNITIVE NEUROSCIENCE**

**THE UNIVERSITY OF CALIFORNIA, DAVIS**

**JULY 10 - 23, 1994**

The seventh annual Summer Institute is a two week course to examine how information about the brain bears on issues of cognitive science and how approaches in cognitive science apply to neuroscience research. A distinguished faculty will lecture on current topics in brain plasticity, strategies of neuroencoding, and evolution. Laboratories and demonstrations will provide practical experience with cognitive neuropsychology experiments, connectionist/computational modeling and neuroimaging techniques. At every stage, the relationship between cognitive issues and underlying neural circuits will be explored. The Foundation will provide room/board and limited support for travel.

For information and applications please write to:

The Center for Neuroscience
UC Davis
Davis, CA 95616 USA

APPLICATION DEADLINE: JANUARY 15, 1994

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**ASSISTANT/ASSOCIATE PROFESSOR**

**UNIVERSITY OF MINNESOTA DEPARTMENT OF LABORATORY MEDICINE AND PATHOLOGY**

Several faculty positions are available, at the rank of assistant professor (tenure track) or associate professor (tenured) in the Department of Laboratory Medicine and Pathology to begin in Fall of 1994 at a competitively paid salary. Position involves a commitment to basic research, as evidenced by at least three years of postdoctoral training and demonstrable expertise in molecular biological techniques involved in the study of nonhuman primates.

Applications should be sent to:

Michael M. Gershengorn, M.D.
Search Committee
Department of Laboratory Medicine and Pathology
University of Minnesota
552-1834

The University of Minnesota is an equal opportunity educator and employer.
PROGRAM OF EXCELLENCE IN MOLECULAR BIOLOGY OF THE HEART AND LUNG Special Postdoctoral Positions

The University of Cincinnati Program of Excellence in Molecular Biology of the Heart and Lung, funded by the National Heart, Lung and Blood Institute of NIH, has as its goal the application of molecular genetic approaches to study heart and lung function. Postdoctorals work closely with the sponsor in initial years but are encouraged to develop a research program separate from that of the sponsor and apply for independent funding during the final year.

The Program is open to Ph.D.s or M.D.s with training in molecular genetics who wish to apply their skills to significant problems of heart or lung or to individuals with strong backgrounds in heart and lung who wish to develop molecular genetic tools for continued study of these problems. We are particularly interested in recruiting minorities to the Program. Stipends begin at $30,000 per year with benefits. Openings are available in several of the laboratories listed below.

Na,K-ATPase gene regulation and structure-function studies including identification of the cardiac glycoside binding site using site-specific mutagenesis. Jerry B Lingrel

Characterization of lung surfactant proteins and genes. Jeffrey Whitsett

Collagen gene expression in the heart and lung. Winston Kao

Structure-function relationships and genetic regulation of ion-transport proteins of heart and lung. Gary Shull

Targeted modification of the cardiac contractile proteins and growth and developmental control of cardiac muscle. Jeffrey Robbins

Manipulating genes important in heart and lung development by insertional mutagenesis and targeted modification in ES cells. Steven Potter

Structure, function and regulation of Ca++ channel proteins (heart, brain, vascular smooth muscle) and gene regulation: isolation of receptors for calcium antagonists. Arnold Schwartz

Role of apolipoproteins in heart and lung development and in resistance to disease. Judith Harmony

Targeted modification of genes important in cardiovascular development and disease. Thomas Doetschman

The genetics of human cardiovascular disease. Anil Menon

Applicants should submit a C.V. and the names of three references to Jerry B. Lingrel, Ph.D., Director, Program of Excellence in Molecular Biology, Department of Molecular Genetics, Biochemistry and Microbiology, University of Cincinnati College of Medicine, Cincinnati, Ohio 45267-0524.

Affirmative Action/Equal Opportunity Employer

WEST VIRGINIA UNIVERSITY
ROBERT C. BYRD HEALTH SCIENCES CENTER

Director
Mary Babb Randolph Cancer Center

The West Virginia University School of Medicine invites applicants for the position of Director of the Mary Babb Randolph Cancer Center. The newly constructed cancer center contains state-of-the-art technology for the diagnosis and treatment of all forms of cancer, merging quality patient care with education, research and outreach programs. The center is immediately adjacent to the new Ruby Memorial Hospital and a PET Center scheduled to open late 1993.

The Director must be a widely recognized leader in the mainstream of cancer treatment, research and education. Applicants should hold a M.D. and/or Ph.D. degree with proven ability in scientific program planning and administration, and be able to interact effectively with faculty from all segments of the University, health care practitioners, elected state and public officials, and the lay public. The Director will have responsibility for and authority over all cancer center personnel, facilities, core services, equipment and budgets, and reports directly to the Vice President for Health Sciences/Dean, School of Medicine.

The search will remain active until the position is filled, however, those applications received by October 29, 1993 will be assured of consideration during the first cycle of review. Applicants should send curriculum vitae and names of three references to:

Edward H. Stullken, Jr., M.D.
Chairman, Cancer Center Search Committee
Chairman, Department of Anesthesiology
P.O. Box 9134
WVU School of Medicine
Morgantown, WV 26506-9134

An Equal Opportunity/Affirmative Action Employer

HUMAN GENOME RESEARCH

SmithKline Beecham Pharmaceuticals, a worldwide leader in pharmaceutical research, has several scientific opportunities available for the support of Human Genome research.

SCIENTIFIC PROGRAMMERS

The successful candidate will develop computational biology software for data analysis and management, and provide user support in a networked multi-platform computing environment including Silicon Graphics workstations, Sun SPARC stations, MACs and PCs.

Requirements include a BS in Computer Science or related field; preference will be given for molecular biology education or experience. Advanced degree in computing, or the chemical or biological sciences preferred. Consideration will be given to biologists with strong computer backgrounds. Experience with MACs, Windows, networking, databases, and UNIX, and C, C++ and Fortran programming languages desirable. Refer to code #M095.

SCIENTIFIC COMPUTING CONSULTANTS

The successful candidates will develop methods, algorithms, and software for data analysis and management of biological sequence databases.

Requirements include a Ph.D. and 3+ years of postdoctoral training. Experience in comparative sequence analysis, pattern recognition, system/database design. Specific familiarity with genomic research and computer applications in biology are essential. Experience with MACs, Windows, networking, databases, UNIX and C, C++ and Fortran programming languages preferred. Refer to code #M096.

SmithKline Beecham offers competitive compensation and benefits packages. For confidential consideration, please submit your resume and salary requirements, indicating desired job code #, to: SmithKline Beecham Pharmaceuticals, Sr. Employment Administrator, PO Box 1539, King of Prussia, PA 19406-0939. We are an Equal Opportunity Employer, M/F/D/V.

SmithKline Beecham Pharmaceuticals

Challenging the natural limits.
The University of Missouri-Columbia invites applications for a tenure-track position of ASSISTANT PROFESSOR within the College of Agriculture, Food and Natural Resources. The successful candidate will hold a Ph.D. degree and have had at least two years of postdoctoral training. The research program will be housed in the Animal Science Research Center and is part of the Food for the 21st Century Program which provides funds for research and core facilities and for graduate student and postdoctoral training. The individual selected will join a sizable interdisciplinary group conducting basic, applied, and extension development and reproductive processes in the female mammal.

Candidates should have a background in reproductive biology with training in cell, molecular or developmental biology. Applicants for the position should send curriculum vitae and a description of research experience and interests and provide the names of three individuals who can provide letters of reference to: Dr. R. Michael Roberts, 158 Animal Science Research Center, University of Missouri, Columbia, MO 65211 before December 1, 1993. Telephone: 314-882-7957; FAX: 314-882-6827.

The University of Missouri is an Equal Opportunity/Affirmative Action Employer and specifically invites and encourages applications from qualified women and minorities.

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**IMMUNOGENETICS**

As of August 1, 1993, the Department of Pediatrics of the University of Pittsburgh, School of Medicine is seeking a non-tenure-stream RESEARCH ASSISTANT PROFESSOR for the Division of Immunogenetics located at the Rangos Research Center, Children’s Hospital of Pittsburgh.

Applicant must have a Ph.D. degree and a specialization in pediatric endocrinology, together with postdoctoral experience that demonstrates research excellence in both the manipulation of metric acids and the application of molecular techniques to the studies of sex-related syndromes and autoimmune diseases.

Successful candidate must develop a competitive, independent research program supported in part by external funding. The selected applicant will direct graduate student research and participate in both undergraduate and teaching.

Please forward curriculum vitae, a brief description of research goals and teaching interests, and the names, addresses, telephone and FAX numbers of at least three references. Applications will be accepted until December 30, 1993.

Please submit to: Dr. Massimo Trucco, Division of Immunogenetics, Rangos Research Center, Children’s Hospital of Pittsburgh, 3705 Fifth Avenue at DeSoto Street, Pittsburgh, PA 15213–2583.

The University of Pittsburgh is an Equal Opportunity Employer.

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**ESTUARINE ECLOGIST**

The Department of Biology invites applications for a tenure-track faculty position at the rank of ASSISTANT or ASSOCIATE PROFESSOR, for an estuarine ecologist with an interest in salt marsh systems, to commence September 1994. Successful applicants shall have a Ph.D. The candidate will be expected to make strong commitments to undergraduate and graduate teaching, and is expected to conduct his/her own experimental research. Initial responsibilities will include teaching a required Biology majors' Ecology course with field laboratories. Experience should include: land use planning and assessment, applied ecology, and habitat restoration. Developing courses in ecology, participating in the introductory biology course, student advising and career guidance are also required. Demonstration or promise of success in research is expected.

Send letter of application, curriculum vitae, three letters of reference and a statement of teaching and research interests and plans by January 15, 1994, to Search Committee Chairman, Biology Department, Fairfield University, Fairfield, CT 06430. Fairfield University is an Equal Opportunity/Affirmative Action Employer, and encourages applications from women and minority members.

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**DEPARTMENT OF CHEMISTRY**

The Department of Chemistry, University of British Columbia, invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. We seek applications from individuals whose research emphasizes molecular and genetic approaches to the understanding of animal development. Interests may include, but are not limited to, development of the nervous system, organization of embryonic axes, and cell interactions affecting developmental decisions. Review of applications will begin November 1, 1993, and will continue until the position is filled. Send curriculum vitae, a brief statement of research plans and three letters of reference to: Developmental Biologist Search Committee, c/o Dr. Sidney B. Simpson, Jr., Head, Department of Developmental Biology, 2326-15213-2583, 820 West 4th Street, University of British Columbia, Vancouver, B. C. Canada V6T 1Z1.

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**DEVELOPMENTAL BIOLOGIST**

The Department of Biological Sciences at the University of Illinois at Chicago (UIC) invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. We seek applications from individuals whose research emphasizes molecular and genetic approaches to the understanding of animal development. Interests may include, but are not limited to, development of the nervous system, organization of embryonic axes, and cell interactions affecting developmental decisions. Review of applications will begin November 1, 1993, and will continue until the position is filled. Send curriculum vitae, a brief statement of research plans and three letters of reference to: Developmental Biologist Search Committee, c/o Dr. Sidney B. Simpson, Jr., Head, Department of Developmental Biology, 2326-15213-2583, 820 West 4th Street, University of British Columbia, Vancouver, B. C. Canada V6T 1Z1.

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**Faculty Position in Reproductive Developmental Biology**

University of Mississippi—Columbus invites applications for a tenure-track position of ASSISTANT PROFESSOR within the College of Agriculture, Food and Natural Resources. The successful candidate will hold a Ph.D. degree and have had at least two years of postdoctoral training. The research program will be housed in the Animal Science Research Center and is part of the Food for the 21st Century Program which provides funds for research and core facilities and for graduate student and postdoctoral training. The individual selected will join a sizable interdisciplinary group conducting basic, applied, and extension development and reproductive processes in the female mammal.

Candidates should have a background in reproductive biology with training in cell, molecular or developmental biology. Applicants for the position should send curriculum vitae and a description of research experience and interests and provide the names of three individuals who can provide letters of reference to: Dr. R. Michael Roberts, 158 Animal Science Research Center, University of Missouri, Columbia, MO 65211 before December 1, 1993. Telephone: 314-882-7957; FAX: 314-882-6827.

The University of Missouri is an Equal Opportunity/Affirmative Action Employer and specifically invites and encourages applications from qualified women and minorities.

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**Faculty Position Molecular Mycologist**

Department of Plant Pathology

University of California, Riverside

Applications are invited for an 11-month tenure-track position available July 1, 1994, as ASSISTANT PROFESSOR in the College of Natural and Agricultural Sciences (21%) and ASSISTANT PLANT PATHOLOGIST in the Agricultural Experiment Station (Salary: $37,224; 8%). The successful candidate will be expected to gain and maintain a research program of national and international stature, commensurate with qualifications and experience and based on the UC pay scale.

The University of California, Riverside invites applications from outstanding candidates holding a Ph.D. degree, or the equivalent, in Plant Pathology or related biological fields required with postdoctoral training or experience in plant pathology and modern molecular genetics of fungi. It is expected that the successful candidate will develop a strong basic and applied program employing molecular genetic approaches to the identification and/or control of plant pathogens. Teaching responsibilities will include mycology and plant pathology courses and direction of graduate student research in plant pathology and the integration of research and instruction. The University of California, Riverside, is an Equal Opportunity, Affirmative Action employer. Women and minority candidates are encouraged to apply. An Equal Opportunity/Affirmative Action Employer.

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**Robert F. Mattag Chair in Ornithology**

The Department of Biology at the University of Miami invites applications and nominations of distinguished scientists to fill an endowed chair. We seek candidates who are making outstanding contributions in ornithological investigation, including senior scientists and exceptionally well-qualified individuals currently at the associate professor level.

The University of Miami is an Affirmative Action/Equal Employment Opportunity, Women and minorities are especially encouraged to apply.

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**Directors of Clinical Studies**

Ophthalomology Department seeks director of clinical studies. Qualifed candidate should have MPH with epidemiology experience or advanced degree in epidemiology. Experience running large clinical studies, ophthalmology preferred. Qualifed candidates contact:

Dr. Eric M. Laaster, John A. Moran Eye Center, University of Utah, 50 North Medical Drive, Salt Lake City, Utah 84132. Remit an application to Utah is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.
Applications and nominations are invited for the position of Executive Chair of the Department of Pediatrics at the UCLA School of Medicine.

She/He will provide leadership and direction for the teaching, clinical, research and development programs of the Department.

Candidates are requested to submit curriculum vitae to:

Pediatric Chair Search Committee

c/o Dennis J. Slamon, M.D., Ph.D.

UCLA School of Medicine,

11-934 Louis Factor Building,

10833 Le Conte Avenue

Los Angeles, CA 90024–1678.

UCLA is an equal opportunity/affirmative action employer.

CHAIR

DEPARTMENT OF PEDIATRICS

UNIVERSITY OF CALIFORNIA,

LOS ANGELES

NATIONAL UNIVERSITY OF SINGAPORE

DEPARTMENT OF PHYSIOLOGY

Applications are invited for faculty appointments in the Department of Physiology.

Candidates should have an MD or PhD degree or equivalent and have had at least two years of postdoctoral research experience in one of the following areas:

(a) aspects of cellular and molecular physiology related to the regulation of cell growth and differentiation

(b) mechanism of action of hormones and hormone antagonists

(c) cancer cell biology

The appointee will be expected to develop an independent research programme in his/her own area of interest and be able to teach at undergraduate and postgraduate levels.

Gross annual emoluments range as follows:

<table>
<thead>
<tr>
<th>Position</th>
<th>Salary Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecturer</td>
<td>$51,500 – 65,620</td>
</tr>
<tr>
<td>Senior Lecturer</td>
<td>$59,970 – 106,030</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>$83,700 – 129,870</td>
</tr>
</tbody>
</table>

($US1.00 = S$1.60 approximately)

The commencing salary will depend on the candidate’s qualifications, experience and the level of appointment offered. In addition, appointees who possess an approved basic medical degree and a recognised higher academic/professional qualification may opt to retain consultation fees under the Consultation/Outside Work Scheme, or to receive a Fixed Allowance, the annual rates for which are as follows:

<table>
<thead>
<tr>
<th>Position</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecturer</td>
<td>$6,000/9,000</td>
</tr>
<tr>
<td>Senior Lecturer</td>
<td>$15,000</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>$21,000</td>
</tr>
</tbody>
</table>

Leave and medical benefits will be provided. Depending on the type of contract offered, other benefits may include: provident fund benefits or an end-of-contract gratuity, a settling-in-allowance of S$1,000 or S$2,000, subsidised housing or a housing allowance, education allowance for up to three children subject to a maximum of S$16,425 per annum per child, passage assistance and baggage allowance for the transportation of personal effects to Singapore.

All academic staff have access to the following computer and telecommunication resources: a networked microcomputer (an IBM compatible or Apple Macintosh); an IBM mainframe computer with 16 MIPS of computing power; an NEC SX supercomputer with 650 MFLOPS of computing power; departmental laser printers; a wide spectrum of mainframe and microcomputer software; voice-mail. The campus-wide network, which is based on the high speed optical fibre based FDDI technology, links up all the academic staff and student microcomputers, UNIX workstations and provides access to the mainframe computer, the supercomputer, UNIX hosts, the on-line library catalogue, CD-ROM databases, Teleview, Internet and BITNET.

Application forms and further information on terms and conditions of service may be obtained from:

The Director

Personnel Department

National University of Singapore

10 Kent Ridge Crescent

Singapore 0511

Tel: (212) 751-0331

Enquiries may also be sent through BITNET to: PERLIMM@NUS3090, or through Telefax: (65) 7783948

DHHS, PHS, Food and Drug Administration, Center for Biologics Evaluation and Research, Rockville, Maryland, is searching for outstanding physicians and scientists interested in a challenge in participating in the development and approval process for new biological products. The Center's mission is to protect and enhance the public health with respect to vaccines, biological therapeutics, and the blood supply. As members of a multidisciplinary team of scientists, the incumbents will work as reviewers in the approval process for new biological products. Some positions offer the unique opportunity to conduct biomedical research in combination with review responsibilities. These positions have a high degree of independence and involve complex medical, scientific, and regulatory issues. Opportunities for professional development may include further education, attendance at scientific meetings and conferences, and clinical activities. Qualifications: Physicians must have completed all requirements for a Doctor of Medicine or Osteopathy Degree from an accredited institution. Graduates of foreign medical schools must submit a copy of their permanent Educational Commission for Foreign Medical Graduates (ECFMG) certification. Physicians should be board certified or eligible in a primary specialty or have completed at least four years of residency training or possess equivalent experience.

Scientists, doctoral level degree in biological 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. In addition, all candidates should have highly developed analytical, written and oral skills, as well as the ability to research problems and issues and to use mature judgment in problem solving. Candidates for Civil Service or Commissioned Corps appointments must be U.S. citizens. Candidates for fellowships may be either U.S. citizens or resident aliens eligible for citizenship within four years. Salary: For physicians, Civil Service salary range for GS-13 through GS-15 is $59,096 to $81,029 per annum. In addition, physicians may also be eligible for a physicians' comparability allowance up to $20,000 per annum. For scientists (other than M.D.), Civil Service salary range for GS-11 through GS-15 is $33,623 to $86,589 per annum. Salary, benefits, research support, and level of responsibility are commensurate with education and experience. Also, positions may be filled by appointment in the U.S. Public Health Service, Commissioned Corps, or in the Fellowship Program, with commensurate salary and benefits. Interested candidates should send a detailed Curriculum Vitae with bibliography, statement of regulatory/research interest, transcripts, and names of three references to: Food and Drug Administration, Center for Biologics Evaluation and Research, 1401 Rockville Pike, Rockville, Maryland 20852-1448, Attention: General Recruitment Coordinator (95) and/or Equal Employment Opportunity Recruitment Coordinator (93).
**POSITION AVAILABLE**

**SENIOR SCIENTIST**

**Center for Nonlinear Studies (CNLS)**

Researchers in the nonlinear science community are invited to apply for the position of Senior Scientist at the CNLS.

**Responsibilities:**
- conducting a nonlinear science basic research program of the highest caliber;
- providing scientific guidance to postdocs, students, and visiting researchers;
- advising CNLS and Laboratory personnel on a broad spectrum of nonlinear research themes; and
- fostering collaborations in nonlinear science with academic and industrial research centers.

**Requirements:**
- international stature and established track record of fundamental ground-breaking contributions in interdisciplinary nonlinear science required;
- experience in collaborative research with industry and ability to interact with broad range of theoretical, experimental, and computational researchers desirable;
- experience in leading internationally recognized scientific research programs desirable.

**Education:**
- Ph.D. in the mathematical, physical, biological, computational, or engineering sciences.

Salary commensurate with experience and qualifications. Full benefits included.

For technical information, call Dr. Erica Jen at (505) 867-1444. To formally apply for this position, interested candidates should forward a resume and list of references to: James E. Trout (MS P292), Personnel Services Division 100063-F, Los Alamos National Laboratory, Los Alamos, NM 87545. Affirmative Action/Equal Opportunity Employer. Must be able to obtain a Department of Energy Security Clearance. Los Alamos National Laboratory is operated by the University of California for the U. S. Department of Energy.
CardioPulmonary Research Institute

Several Assistant Professor, or postdoctoral positions are available at the CardioPulmonary Research Institute (CPR), a recently established facility of Winthrop-University Hospital, a major 581-bed teaching affiliate of the State University of New York at Stony Brook School of Medicine.

We seek investigators to study cellular and molecular mechanisms of tissue responses to oxidative injury, and induced tolerance to oxidative tissue injury. A background in eukaryotic gene expression and molecular biology is desired.

Candidates should submit a curriculum vitae and three letters of recommendation. Faculty candidates should also include a brief description of future research directions. Please send materials to: Dr. Stuart Horowitz, CardioPulmonary Research Institute, Winthrop University Hospital, Suite 503, 222 Station Plaza North, Mineola, NY 11501.

An Equal Opportunity Employer M/F/D/V.

X-RAY CRYSTALLOGRAPHER
FACULTY POSITION IN THE
DEPARTMENT OF BIOCHEMISTRY
MCMASTERS UNIVERSITY

McMaster University is seeking a highly qualified scientist at the assistant or associate professor level (tenure track). The appointee is expected to develop an outstanding research program and to promote cooperative scientific interactions as well as to participate in undergraduate and graduate teaching. McMaster currently has state of the art x-ray, NMR and electron microscope facilities and a number of scientists working in the area of biomacromolecular structure and function. In addition to structural biochemistry, other strengths are in gene expression, protein targeting, molecular virology, development and oncogenesis and inflammation.

Applicants should include a complete curriculum vitae, a summary of past and current research, a statement of future research plans and the names of at least three referees (complete with phone and fax numbers). These should be submitted by October 15, 1993 to Dr. Gerhard E. Gerber, Professor and Chair, Department of Biochemistry, McMaster Univ., 1200 Main St. W., Hamilton, Ontario L8N 325. FAX 416-522-9033. In accordance with Canadian immigration policy, this advertisement is directed to Canadian citizens or landed immigrants. Appointments subject to MRC approval.

UNIVERSITY OF COLORADO AT BOULDER

Molecular, Cellular & Developmental Biology

Department Chair

We seek an internationally recognized scientist of professorial rank with an excellent research program. We offer a new building, already under construction, and the opportunity to help recruit 18 new faculty, expanding our current group of 22. This is an extraordinary chance for someone interested in implementing a vision of the future for MCD Biology in an outstanding academic environment. Preference will be given to scientists studying mammalian biology with molecular and cellular methods. Appointment could begin 7/1/94. Please send CV and description of research plans to Charlotte Corbridge, University of Colorado, Boulder, CO 80309-0347. Dossiers considered upon receipt. Latest possible receipt: 12/31/93.

Faculty Positions

We seek four tenure-track faculty working on the biology of higher eucaryotes, particularly mammals. Preference will be given to candidates at the assistant professor level. Appointments could begin as early as August 1994. Successful candidates must have demonstrated outstanding research ability and teaching skills. Send résumés, representative reprints, an outline of future research directions, and three letters of recommendation to: New Faculty Search, MCD Biology, University of Colorado, Boulder, CO 80309-0347. Dossiers must be complete by 12/31/93, but earlier applications will be considered promptly.

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

Miles Inc., in Berkeley, California maintains a leading worldwide position in the field of Human Biologicals. In your search of an exciting career opportunity, consider joining our well funded state-of-the-art biotechnology site.

**Miles** Inc., in Berkeley, California maintains a leading worldwide position in the field of Human Biologicals. In your search of an exciting career opportunity, consider joining our well-funded state-of-the-art biotechnology site.
POSITIONS OPEN

LYLE C. DICKMAN ENDED CHAIR FOR PLANT IMPROVEMENT UNIVERSITY OF FLORIDA

The University of Florida is seeking an experienced scientist to lead an innovative program in the area of plant genetics. The candidate must be internationally recognized in plant genetics, and must have demonstrated abilities to attract and work with outstanding graduate and postdoctoral students. Research results will be useful, in the long term, to tomato genetics. It is anticipated that the successful candidate will interact with others at the University of Florida with interests in plant molecular biology/genetics as well as those engaged in plant breeding. Experience and a track record in modern molecular or cellular genetics are especially encouraged to apply. Letters of nomination should be submitted by October 1, 1993, to: Dr. Daniel J. Cam- liffe, Dickman Chair Search Committee, Horticultur- al Sciences Department, University of Florida, Gainesville, FL 32611-0690. Applications including a résumé and names of five referees will be accepted until November 1, 1993. The University of Florida is an Equal Opportunity/Affirmative Action Employer.

VICE CHAIR FOR CLINICAL PATHOLOGY, Oregon Health Sciences University

The Department of Pathology at Oregon Health Sciences University invites applications for the position of Vice Chair for Clinical Pathology, a tenured or tenure-track position. This individual, who will be the academic head of the Department of Clinical Pathology, should be an established investigator who, by direction and example, will promote the research and teaching activities of the Division and Department. He/she will supervise the Medical Director of the Clinical Laboratories, a newly created position. Applicants should be certified in Clinical Pathology by the American Board of Pathology and should have experience as a director of division chief in an academic clinical laboratory. He/she should be qualified to assume the rank of Associate Professor or Professor of Pathology. Apply with curriculum vitae and bibliography to: Donald C. Houghton, M.D., Chair, Department of Pathology, L113, Oregon Health Sciences University, 3181 SW Sam Jackson Park Road, Portland, OR 97239. Oregon Health Sciences University is an Equal Opportunity/Affirmative Action Employer.

MOLECULAR PATHOGENESIS AND IMMUNOLOGY JUNIOR AND SENIOR FACULTY POSITIONS AVAILABLE

The Department of Microbiology and Immunology invites applications for junior and senior-level, tenure- track positions focusing on the molecular analysis of significant problems in bacterial pathogenesis and immunology. The successful candidate should have strong interest and experience in research accomplishment with sustained program growth and development. Junior candidates will be expected to develop high-quality, independent research programs with long-term growth potential. Teaching responsibilities, which emphasize quality rather than quantity, include medical, dental and graduate students. The Department offers a high-quality intellectual environment with 80% of the faculty holding active extramural research grants.

A large Center of Excellence grant has resulted in establishment of a Molecular Resource Center within the Department featuring state-of-the-art facilities for: oligonucleotide synthesis, peptide synthesis, monoclonal antibody production, miniprep and plasmid DNA sequencing, molecular graphics, and flow cytometry. Funds for the initiation of research programs will be available and salaries are negotiable.

Review of applications will continue until the position is filled. Applications should consist of curriculum vitae, copies of research grants, and three letters of reference and should be sent to:

Dr. Terrance G. Cooper Department of Microbiology and Immunology The University of Tennessee, Memphis 885 Madison Avenue, Room 801 Memphis, TN 38118

The University of Tennessee, Memphis, is an Equal Employment Opportunity/Title IX/Section 504/ADA Employer.

POSITIONS OPEN

DIRECTOR OF ENVIRONMENTAL HEALTH AND SAFETY WAYNE STATE UNIVERSITY

Wayne State University is seeking a permanent, full-time, Division of Environmental health and safety, effective immediate- ly. Advanced degree applicants will be given preference. Applications should be submitted to the office of the Vice President for Research. This division is responsible for the university’s biosafety plan, chemical hygiene plan, right-to-know information, and the processing and disposal of hazardous and biohazardous wastes. Applications, together with current curriculum vitae and names and addresses, should be received by November 1, 1993, to:

Wayne State University Employment Services (Posting #14) 263 Administration Building Detroit, MI 48202

Wayne State University is an Affirmative Action/Equal Opportunity Employer.

UCSF SCHOOL OF MEDICINE TENURE-TRACK FACULTY POSITION IN THE PROGRAM OF BIOLOGICAL SCIENCES

The Department of Orthopaedic Surgery and the Program in Biological Sciences of the School of Medi- cine, University of California, San Francisco, seek a molecular cell and/or developmental biologist whose primary interest is in the organization and function of bone and cartilage as tissues. The candidate for this position must have demonstrated expertise in connective tissue research at the cellular and molecular level with particular interest in bone or cartilage biology, should be able to develop an active and independently funded research program and teach professional and graduate students.

Please submit a letter of application, curriculum vitae and bibliography, narrative description of plans for future research, and the names, addresses and telephone numbers of three references. Deadline for all material: November 1, 1993, to: David S. Bradford, M.D., Professor and Chairman, Department of Orthopaedic Surgery, or Dr. Donald E. Ganem, Professor of Microbiology and Immunology, Search Committee, Room U 471, University of California Medical Center, San Francisco, CA 94143–0728.

(UCSF is an Equal Opportunity Employer.)

TENURE-TRACK POSITION IN THE DIVISION OF MICROBIOLOGY AND IMMUNOLOGY

The School of Biological Sciences at the University of Missouri-Kansas City (UMKC) announces a program of expansion of the structural biology component in its Cell Biology and Biophysics Division. The development of a macromolecular biological structure X-ray facility is the first element of this development. The School welcomes applications for a tenure-track faculty position from individuals with a least 5 years of postdoctoral research experience in the field of X-ray crystallography. Applications from accomplished researchers with teaching experience are preferred. Start-up funds, equipment, renovated laboratory facility and technical assistance available.

The successful applicant is expected to have, or be able to develop, an independent, active research program supported by research grants. Responsibilities will include supervision of the X-ray laboratory and at least one research scientist in a non-tenure-track faculty posi- tion. Good support and generous salaries are negotiable.

Teaching activities will involve participating in the doctoral programs of the School and in modern biological sciences undergraduate and health sciences curricula. Candidates should apply before January 1, 1994, and send curriculum vitae and brief summary of professional accomplishment and future research goals. Screening of candidates will begin immediately and continue until positions are filled. Send curriculum vitae and names of three references to: Dr. Bayar Thimmappaya, Lurie Cancer Center, 8510 Telephone Rd., Kansas City, Missouri, 64110. UMKC is an Affirmative Action/Equal Opportunity Employer.

DIRECTOR, ENVIRONMENTAL EPIDEMIOLOGY AND OCCUPATIONAL HEALTH

The Connecticut Department of Public Health and Addiction Services is seeking an environmental health scientist with administrative experience, to lead a staff of 20 in the Environmental Epidemiology and Occupation- al Health (EEOH) program. This program works with local, state, and federal agencies, and the public in assessing environmental health risks and includes pro- gram areas of occupational assessment, surveillance, and radon. Applicants must be skilled in epidemiology, toxico- logy, statistics, assessing risks and communicating with the public. Affirmative Action workplaces and medical centers can be arranged. Salary range is $56,217 to $79,610. This is a competitive civil service position.

Requires two years of experience in a supervisory, administrative or consultative capacity in epidemiology, toxicology or environmental engineering.

For an application call:

Richard Andi... Department of Administrative Services Personnel Division Telephone: 203-566-3993

An Affirmative Action and Equal Opportunity Employer.

McGILL UNIVERSITY DEPARTMENT OF PHARMACOLOGY & THERAPEUTICS FACULTY LECTURER/RESEARCH ASSOCIATE

Applications are invited for a non-tenure-track position in the area of molecular pharmacology. Candidates must have a Ph.D. or equivalent and at least 2 years of postdoctoral experience. Knowledge of molecular biology methods and endocrine systems is desirable. Salary will be in accordance with experience and expertise. Applications, including curriculum vitae, selected reprints, and names and addresses of telephone numbers of three referees should be sent to: Dr. B. Kolesar, De- partment of Pharmacology and Therapeutics, McGill University, 3665 Drummond, Montreal, Quebec, Canada, H3G 1Y6. In accordance with Canadian immigration requirements, this advertisement is directed toward Canadian citizens and permanent residents of Canada. McGill University is committed to Equity in Employment.

FACULTY POSITION UNIVERSITY OF VERMONT NMR SPECTROSCOPIST

The Department of Biochemistry at the University of Vermont College of Medicine has available a full-time (12-month appointment) tenure-track position. We are seeking an NMR spectroscopist with demonstrated experience in structural biology and experience in structural characterization of macromolecules. There are identified funds available for the purchase of a high field NMR spectrometer with 2- and 8-flip angle capabilities. The individual selected will be expected to maintain an externally funded, independent research program, to participate in the teaching programs of the Department, and to assume appropriate administrative obligations. We anticipate that the appointee will assume a leadership role in the development of a central facility for studies in the area of structural biology. Rank and salary are negotiable and commensurate with experience and accomplishments.

Please send a résumé, including a description of research interests, career goals, present and past research support, and the names of three references to: Dr. B. Kolesar, Search Committee, Department of Biochemistry, Given Building, University of Vermont, College of Medi- cine, Burlington, VT 05405–0068. The University of Vermont is an Equal Opportunity/Affirmative Action Employer. Women and people from diverse racial, ethnic and gender backgrounds are encouraged to apply.

POSTDOCTORAL POSITION available to work on the effect of adenovirus E1A proteins on the transcriptional regulation of cellular genes. Send curriculum vitae and names of three references to: Dr. Bayar Thimmappaya, Lurie Cancer Center, 8510 Telephone Rd., Kansas City, Missouri, 64110. UMKC is an Affirmative Action/Equal Opportunity Employer.

An Equal Opportunity/Affirmative Action Employer.
The Radiology Department at the University of Pennsylvania invites applications for a FACULTY POSITION, level to be determined by qualifications, for an individual to develop spectral editing and multiple quantum imaging techniques for in vivo MRS and MRI, train graduate students, and teach graduate-level MR. Candidate should participate in MR research projects and aid in the development of a digital MR spectrometer, Ph.D. in Chemistry or Biochemistry required. Experience in the following areas desired: NMR, QNR, building RF coils, and live studies, operating and developing MR spectrometers and teaching. Interested candidates should send curriculum vitae, three letters of reference and reprints to: Prof. J. S. Leigh; Basement, Blockley Hall; Philadelphia, PA 19104-6021. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer. Minority and women candidates are encouraged to apply.

MOLECULAR BIOLOGY/PHYSIOLOGY: Tenure-track position at Judson College, a Baptist college for women since 1838. Successful applicant will teach chemistry-based courses such as cell biology, physiology, immunology, genetics, biochemistry and possibly microbiology. The candidate is expected to engage in academic and career counselling of biology majors. Biology program is strongly oriented toward the human professions and environment sciences. Send curriculum vitae and names of references to: Dr. George C. Williams, Chairman, Science Division, Judson College, Elgin, IL 60120. Telephone: 205-683-5178. Judson College is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to study expression of antibodies in plants. A Ph.D. in a related area with expertise in plant tissue culture, transformation, and protein expression assays essential. For full consideration curriculum vitae, transcripts, statement of research interests and three letters of reference should arrive by 1 October 1993 to: John L. Sherwood, Plant Pathology Department, Oklahoma State University, Stillwater, OK 74078. Oklahoma State University is an Equal Opportunity Employer.

POSTDOCTORAL POSITION available to study the mechanism and regulation of intracellular transport catalyzed by the microtubule-based motors cytoplasmic dynein and kinesin. Projects involve the cellular, molecular, and biochemical analysis of the motor proteins and their regulatory factors. Send curriculum vitae and a description of research interests to: Erika Holzbaur, Ph.D., University of Pennsylvania, 143 Rosenhall Building, 3800 Spruce Street, Philadelphia, PA 19104-6046.

POSTDOCTORAL POSITIONS, DEPARTMENT OF BOTANY, DUKE UNIVERSITY. Two positions available immediately. (1) Individual to contribute to understanding the functional components of growth in roots as affected by elevated CO2 and climate change. Candidates with skills in interest in developing/refining existing process models of plant growth and in the experimental analysis of pine growth are encouraged to apply. (2) Individual with skills and training in ecological and computer modeling of plant and ecosys- tem responses to future climate change. Joint positions with experimental group of Boyd R. Strain and modeling group of James F. Reynolds. Starting salaries: $25,000 per year with full benefits. Closing date: October 15, 1993. Send curriculum vitae, statement of research interests, and names and addresses of three references to: Dr. Richard Thomas, Department of Botany, Phytotron Building, Duke University, Box 90340, Durham, NC 27708-0340. Duke University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION. Neuroscience. 1 to 3 years beginning immediately to study regulation of pelvic visceral tissues following injury of the autonomic nervous system. Refer questions to: Dr. William G. Dall, Department of Anatomy, 505-277-5555. Send curriculum vitae accompanied by a letter with an original signature and two references to: University of New Mexico Medical Center Human Resources, Medical Building 2, Room 101, Albuquerque, New Mexico 87131-0023. Refer to Requisition #912. Application deadline October 1, 1993. Equal Opportunity/ Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR: The Department of Anatomy and Cell Biology in the Faculty of Medicine at the University of Alberta invites applications for up to two positions as Assistant/Associate Professor to investigate modern biological questions using cellular/molecular approaches. Salary range: $40,035-$71,725 p/a, plus comprehensive benefits. Applicants should have proven records of research achievement and will be eligible for funding by the Alberta Heritage Foundation for Medical Research. Successful candidates will be expected to carry on independent research programs, but will also have the opportunity for collaborative interactions with several multidisciplinary research groups within the University. A contribution to the department's teaching program will also be expected. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. Please send a curriculum vitae, statement of research interests, and three to five references to: Dr. Richard Rachubinski, Professor and Chair, Anatomy and Cell Biology, University of Alberta, Edmonton, Alberta, Canada, T6G 2H7. Deadline for receipt of applications is December 31, 1993. The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, persons of visible minorities, and women.

HARVARD SCHOOL OF PUBLIC HEALTH FACULTY POSITION IN INDUSTRIAL HYGIENE/AEROSOL SCIENCE Harvard School of Public Health is searching for an Associate Professor or Assistant Professor in the field of industrial hygiene with specialization in aerosol science. The applicant should have a doctoral degree and be carrying out research in such areas as: evaluation of industrial aerosol hazards, aerosol physics, inhalation toxicology of aerosols, chemical characterization of aerosols, and engineering studies of aerosol behavior or control technology. Evidence of research interest and teaching in industrial hygiene is required. Experience in professional practice and American Board of Industrial Hygiene certification are highly desirable. Aerosol researchers willing to make the commitment to the field of industrial hygiene are welcome to apply. Responsibilities will include teaching in industrial hygiene and participation in multidisciplinary research related to workplace health and safety. Applications from women and members of minority groups are especially encouraged. A letter of interest and a curriculum vitae should be sent to Chair, Industrial Hygiene Search Committee, Department of Environmental Health, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115.

POSTDOCTORAL POSITION in MR research of biology. The successful candidate for this position will take responsibility for the development of in-house animal models of disease including tumor growth and cardiovascular disease, and the conduct of preliminary pharmacokinetics and toxicology experiments. Other duties will be to identify potential new targets and the necessary collaborators to perform relevant outside studies. Candidates should hold a Ph.D. in pharmacology, physiology and have 6-8 years of relevant hands-on experience, preferably in the pharmaceutical industry. The ability to work successfully in a fast-paced, multi-disciplinary environment is essential.

POST-DOCTORAL FELLOWSHIP & RESEARCH SCIENTIST: Our Anti-Cancer Program has two immediate openings for a Post-Doctoral Fellow and a Research Scientist. Both persons will focus on the analysis of transcriptional control for genes important in the development of human cancers and will investigate the use of single-stranded oligonucleotides to repress expression of oncogenes. Post-Doctoral Fellowship: The qualified applicant should have recently received a Ph.D. in molecular biology, cell biology or a related field and have 0-4 years postdoctoral experience. Research experience should be in the control of transcription in eucaryotic systems. Research Scientist: We are seeking a scientist with 3-5 years post-doctoral experience in eucaryotic transcription, steroid hormone biology and developmental biology of cancer.

Triplex is located in an attractive community north of Houston offering access to research centers such as Baylor College of Medicine, Texas Medical Center, Rice University, Texas A& M and the University of Houston. We offer competitive salaries and benefits as well as opportunities for publication and rapid career growth in an exciting research program. Qualified applicants are encouraged to submit full resumes with references to:

Human Resources Manager
Triplex Pharmaceuticals Corporation
9391 Grogan's Mill Road
The Woodlands, TX 77380
Facsimile: 713/563-1168
The National Institute of Neurological Disorders and Stroke (NINDS) invites nominations and applications for the position of Director, NINDS. This is a Civil Service Position in the Senior Executive Service with a salary range of $82,900 to $115,700 per year. Physicians may be eligible for a Physician's Comparability Allowance up to $25,000 per year. A three-year probationary period must be served by the individual selected if not currently in the Senior Executive Service.

The National Institute of Neurological Disorders and Stroke conducts fostering, and supports research and research training on the causes, prevention, diagnosis, and treatment of neurological disorders. The Institute's program includes basic and clinical extramural and intramural neurological research and training programs for scientists interested in research careers in the biomedical sciences with a special interest in fundamental neurological disorders, stroke and central nervous system trauma.

Applicants must possess a strong background and accomplishments in the development, management and direction of biomedical research programs.

For information regarding qualifications requirements, contact Mr. Alfred L. Salas at (301) 495-6234. The following forms are required: Application for Federal Employment (SF-171), available at all Federal Job Information Centers, accompanied by a current curriculum vitae and bibliography. These must be submitted to: Mr. Alfred L. Salas, National Institutes of Health, NINDS Personnel Office, Building 31, Room 8A23, 9000 Rockville Pike, Bethesda, Maryland 20892.

Applications must be submitted by October 15, 1993.

Public Health Service Commissioned Officers interested in performing the duties of the position within the Commissioned Corps may submit a resume to the above address.

Selection for this position will be based solely on merit with no discrimination for non-merit reasons such as race, color, religion, sex, national origin, politics, marital status, physical or mental handicap, age, or membership or non-membership in an employee organization.

N I H is an Equal Opportunity Employer.
TARGETED GENETICS CORPORATION

A Gene Therapy Company

Targeted Genetics Corporation is a biopharmaceutical company developing integrated gene therapy systems for the treatment of acquired and inherited diseases. Our efforts are focused on reconstitution of immunity to infectious disease by ex vivo genetic modification and adoptive transfer of cytoxic T cells. We are extending this work to the treatment of cancer and also expanding our programs to develop adeno-associated virus (AAV) based vectors for both in vivo and ex vivo gene therapy. Continued growth has created opportunities for scientists in the following areas:

GENE EXPRESSION

Two positions are available for candidates with several years of post-doctoral experience in mammalian gene expression. Areas of focus include:

• Develop expression vectors for use in adoptive immunotherapy of malignancies using genetically modified tumor-specific CTL. (Ref SL9/93).

• Analyze AAV regulatory mechanisms and develop regulatable expression systems for production of recombinant AAV particles. (Ref GE9/93).

GENE TRANSFER

• Study the molecular virology of AAV vectors and helper functions to improve transduction of specific target cells. Several years' post-doctoral experience in molecular virology preferred. (Ref RO9/93).

DEVELOPMENT

• Develop processes for the scale-up, purification, and concentration of retroviral and AAV vector particles. The ideal candidate has 2-5 years' post-doctoral industry experience with a background in viral vectors or gene transfer. (Ref TR9/93).

The successful candidates will join a highly interactive group dedicated to the aggressive pursuit of research programs leading to therapeutic products. Targeted Genetics Corporation offers competitive salaries and an excellent benefits package. For consideration, please submit C.V. with the appropriate job number and the names of three references to:

Targeted Genetics Corporation
Human Resources Department
1100 Olive Way, Suite 100
Seattle, WA 98101

Equal Opportunity Employer

Our entrepreneurial environment naturally evolves as a function of our mission: the development of recombinant DNA-based human therapeutics, utilizing the principles of cellular and molecular biology...through rapid product development and innovative commercialization strategies. We currently have opportunities for the following professionals:

Research Associates

Candidates must have a BS/MS degree in Chemistry or Biochemistry with experience in carbohydrate and glycoprotein chemistry. HPLC and chromatography experience is desirable. (Job Code OA-SC-SS-003)

Analytical Biochemist

Candidate will work in our Fermentation Process Development Group. Your primary focus will be working with our Process Development Scientists to analyze the effect of different process conditions on product quality and yield. Candidate must have a Ph.D. in Biochemistry or Protein Chemistry and 1-2 years postdoctoral experience. Familiarity with protein purification, HPLC, and fine structure analysis of proteins a must. Your strong interactive skills will be an asset when working with a variety of groups at Amgen, including Analytical Resources, Protein Chemistry, Protein Structure, and Recovery Process Development. (Job Code OA-SC-NB-004)

At Amgen, our staff plays an integral role in maintaining the highest of standards and product excellence. We offer a competitive salary and benefits package that include a savings and retirement plan, three weeks vacation, an educational reimbursement program, and on-site child care and fitness centers. If you're interested in this position, please FAX/mail your resume to: FAX: (805) 447-1985, Amgen Inc., Staffing, Job Code (See Above), Amgen Center, Thousand Oaks, CA 91320-1789.

AMGEN®

We are an equal opportunity employer M/F/D/V.
POSTDOCTORAL POSITION

In Molecular Cardiopulmonary Pharmacology available for recent Ph.D. in pharmacology, physiology or biochemistry. Project relates to molecular characterization of the involvement of second messenger systems in smooth muscle, epithelial and endothelial cells. Salary NIH level. Experience and training in signal transduction (using recombinant DNA techniques), cloning of genes, and 3 letters of recommendation by September 30, 1993, to: Dr. S. Jamal Mustafa, Department of Pharmacology, East Carolina University, Greenville, NC 27858. U.S. Federal law requires proper documentation of identity and employability at the time of employment. Affirmative Action/Equal Employment Opportunity.

POSTDOCTORAL INVESTIGATOR EMBRYOLOGY

The Biology Division of the Oak Ridge National Laboratory (ORNL), managed by Martin Marietta Energy Systems, Inc., for the U.S. Department of Energy, is seeking a postdoctoral investigator to study altered gene expression in early mouse development. The preferred candidate has training in mammalian embryology, but non-mammalian embryologists are encouraged to apply. Expect to interact with geneticists and molecular biologists in the Mammalian Genetics and Development Section. Send curriculum vitae and three letters of reference to: W.M. Generoso, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, TN 37831-8077. ORNL is an Equal Opportunity Employer committed to building and maintaining a diverse workforce.

ASSOCIATE POSITION

in Neuroscience of the Inositol 1,4,5-trisphosphate receptor family. Experience in molecular biology and biochemical methodologies is preferred. Mail or FAX resume and three letters of reference to: Dr. Gregory A. Mignery, Department of Physiology, Loyola University Medical Center, 2160 S. First Street, Maywood, IL 60153; FAX: (708) 223-6508. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOW

Position available to study the molecular genetics of insulin-dependent diabetes mellitus. The research will involve detailed analysis of human chromosome 6 in the HLA region which is involved in Type I diabetes, as well as analysis of other candidate genes in both unrelated and multiplex families. The position requires experience in molecular biology including polymerase chain reaction, Southern blot analysis, cloning, and sequencing. Send curriculum vitae, statement of research interest, and names of three references to: Mark J. Hoover, Ph.D., Correll Institute for Medical Research, 401 Haddond Avenue, Camden, NJ 08103. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE POSITION

available immediately in behavioral pharmacology in the Department of Pharmacology at the Northeastern Ohio Universities College of Medicine. The position involves research on drugs of abuse with particular emphasis on stimulants, ethanol and nicotine. Successful candidates will have a Ph.D. in chemistry, pharmacology or physiology, and excellent oral and written communication skills. Please send curriculum vitae and a letter of application to: Professor Bernard Sadoulet, Center for Particle Astrophysics, University of California, Berkeley, CA 94720. The closing date for applications is January 1, 1994. The University of California is an Affirmative Action/Equal Opportunity Employer.
The Lamont-Doherty Earth Observatory of Columbia University invites recent Ph.D. recipients or candidates for their degrees in 1993, in any field of the Earth and Ocean Sciences, to apply for postdoctoral fellowships beginning in September, 1994, with an annual stipend of $33,000. The fellowships are institutionally supported for 21 months and the successful candidates are encouraged to apply for government funding to complete the final three months of their fellowship. They then become eligible for the annual competition for a Storka-Doherty Lecture ship awarded annually to a junior scientist of the Observatory who is in no more than his or her second year of residence. The lectureship is for four years and is accompanied by 24 months of salary support. The recipient has the responsibility to teach a topical seminar. The lectureship is intended to recognize the potential for scholarly excellence, and to encourage outstanding young scientists to pursue careers in the basic research environment.

The deadline for completed applications for the Postdoctoral Fellowship is January 15, 1994. Application forms may be obtained by contacting the Office of the Director, Lamont-Doherty Earth Observatory, Palisades, New York 10964. Telephone 914-365-8546. Fax: 914-365-2312.

Award announcements will be made on or about February 28, 1994.

Columbia University is an affirmative action/equal opportunity employer.

Faculty Positions
Department of Microbiology and Immunology

The Department of Microbiology and Immunology, The Pennsylvania State University College of Medicine at Hershey is initiating the second phase of faculty recruitment associated with its ongoing expansion. We invite applications for tenure-track faculty positions from outstanding candidates who are working in immunology and/or virology. We are seeking individuals who are using molecular and cellular approaches to understand the development, function, or regulation of the immune response. We are also seeking molecular virologists/biologists working with HIV or other retroviruses, DNA viruses, oncogenes as well as individuals studying the molecular basis of viral pathogenesis of RNA viruses. Candidates at the Assistant Professor level are preferred; however, outstanding candidates for positions at the Associate Professor level will be considered. All applicants must have a Ph.D. and/or M.D. degree, postdoctoral research experience and a strong record of research accomplishments. Successful applicants are expected to establish an extramurally funded research program. Availability of research facilities within the new Biomedical Research Building, strong departmental and interdepartmental graduate student training programs, and macromolecular synthesis core facilities all contribute to the productive research environment within the Department. Participation in the Department's graduate and medical student teaching programs is expected. Applicants should send their curriculum vitae, a statement of research interests and the names of at least three references to: Dr. Richard J. Courtney, Chair, Department of Microbiology and Immunology, The Pennsylvania State University College of Medicine, Post Office Box 850, Department 100, Hershey, PA 17033. The Pennsylvania State University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

Molecular Biologist

The Laboratory of Biochemical Genetics, National Heart, Lung, and Blood Institute, is recruiting for an experienced molecular biologist for a postdoctoral, tenure-track position (salary range: $45,000 to $60,000). The research scientist should be an expert in studies on mammalian cell-E. coli shuttle vectors and homeobox genes. The candidate should hold a Ph.D. degree and at least 4 years of broad experience in the molecular biology of bacteria, viruses, prokaryotic cells, plant cells, and animal cells. Applicants should also have extensive experience in the cloning and characterization of DNA; the cloning and maintenance of bacteria, lower eukaryotic cells, and eukaryotic cells (plants and animals); sub-cellular fractionation (membranes, mitochondria, plastids, and nuclei); purification, structural and functional analysis of enzymes; chemical analysis of polysaccharides; and bacterial genetics including mutagenesis. U.S. CITIZENSHIP IS REQUIRED. Send C.V. and three (3) letters of recommendation to:

Dr. Marshall Nirenberg
Laboratory of Biochemical Genetics
National Heart, Lung, and Blood Institute
National Institutes of Health
Building 36, Room 1C06
9000 Rockville Pike
Bethesda, Maryland 20892

NIH is an Equal Opportunity Employer.
POSTDOCTORAL POSITIONS
The Gladstone Institute of Cardiovascular Disease, University of California, San Francisco. Applications are sought for postdoctoral fellows in the labs of:
Robert W. Mahley, M.D., Ph.D.: Study and development of transgenic mouse models of Type III hyperlipoproteinemia, will examine effects of expression of apo E mutants on lipid metabolism and atherosclerosis.
Israel F. Charo, M.D., Ph.D.: Research on the molecular biology of monocyte-endothelial cell interactions in the vasculature. Current projects are focused on receptors for rapidly emerging family of cytokines known as the chemokines. Methodology includes receptor mutagenesis and expression in Xenopus oocytes and mammalian cells.
Stephen G. Young, M.D.: 2 positions: Research on the structure and function of apolipoprotein B (apo B). Characterization of recently developed transgenic mice expressing large amounts of human apo B, generation of mice with targeted mutations in the apo B gene, and investigation of the mechanism of hypobetalipoproteinemia. Experience with transgenic mice and/or molecular biology techniques is desirable.
Thomas L. Innerarity, Ph.D.: Study the mechanism and physiology of apo B RNA editing and investigate mutations of apo B 100 that disrupt LDL binding to the LDL receptor.
Candidates should possess an M.D. or Ph.D. in molecular biology or biochemistry. Competitive salary and benefits. Send C.V. and names of three references to: Postdoctoral Recruitment; Gladstone Institute of Cardiovascular Disease, UCSF; P.O. Box 419100; SF, CA 94141-9100. EOE.

The Lindsey F. Kimball Research Institute of the New York Blood Center invites applications for a Molecular Biologist to join the Laboratory of Virology and Parasitology, headed by Dr. Alfred Prince, to study approaches to the development of a Hepatitis C virus vaccine. Research will focus on:
- Development of expression vectors for HCV genes
- Evaluation of expression in mammalian systems
- Evaluation of protective efficacy of immunization strategies
Applicants should have a Ph.D. and a strong background in Molecular Biology with experience in construction and evaluation of prokaryotic and mammalian expression constructs.
Appointments can be made at the Postdoctoral Fellow or Assistant Member levels, depending on experience. Salaries will be determined based on qualifications and experience. Fringe benefits are excellent and include a housing allowance for post-doctoral fellows. Applicants should send their CV, list of publications, a statement of career goals, and the names and addresses of three references to: Dr. Alfred M. Prince, Head, Laboratory of Virology and Parasitology, The Lindsey F. Kimball Research Institute of the New York Blood Center, 310 East 67th Street, New York, NY 10021, USA.

Equal opportunity employer m/f/d/v.

A Division of the New York Blood Center
Where concern for the community comes first.

UNIVERSITY OF MICHIGAN DEPARTMENT OF BIOLOGY
The Department of Biology, University of Michigan, invites applications for tenure-track positions in the field of cellular, molecular and developmental biology. The Department has made a substantial commitment to new hiring in these areas. Three positions are immediately available and there is a possibility of a fourth. The areas of interest are molecular cell biology, molecular/cell biology of plant development, molecular/cell biology of animal development, and prokaryotic gene regulation. The existing appointments are at the junior level, but appointment at higher levels may be possible in exceptional circumstances. Candidates must have a Ph.D., postdoctoral training, a demonstrated record of publication and a strong interest in teaching. The successful candidates will join a large, diverse department with research foci ranging from molecular through organismal to ecosystem biology. In addition to establishing a strong research program, the successful candidates will be expected to participate in teaching undergraduate and graduate-level courses in their areas of expertise. Applications should include a current C.V., up to three relevant reprints and a brief statement of future research plans. Applicants should also request that three letters of reference be sent. All materials must be received by November 1, 1993, and should be directed to:
Chair, Cell and Molecular Biology Search Committee
Department of Biology
University of Michigan
Natural Science Building
Ann Arbor, Michigan 48109-1048

The University of Michigan is an Affirmative Action/Equal Opportunity Employer.
SENIOR RESEARCH SCIENTIST

The IMMUNE RESPONSE CORPORATION, a rapidly growing biotechnology company based in Carlsbad, California is currently seeking a Ph.D. level scientist to work on T-cell immunoregulation in autoimmune disease. The company's T-cell receptor peptide-based treatment of Rheumatoid Arthritis is currently in clinical trials. The position available will involve both the basic and clinical research associated with the development of therapeutic products for autoimmune disease.

The IMMUNE RESPONSE CORPORATION offers a competitive compensation and benefits package and the opportunity to make a significant contribution in a stimulating, state-of-the-art, work environment. Interested candidates should mail or fax their C.V. to:

Human Resources
THE IMMUNE RESPONSE CORPORATION
5935 Darwin Court
Carlsbad, CA 92008
(619) 431-8636

Equal Opportunity Employer

RECEPTOR STRUCTURE-BASED DRUG DESIGN

Agouron Pharmaceuticals, Inc., a recognized pioneer and leader in the field of rational drug design, is located in San Diego, California in the midst of a dynamic and challenging environment of academic and industrial research centers. We are seeking talented Ph.D. scientists to join our multidisciplinary team in the following areas:

Pharmacology — The successful candidate will participate in research and preclinical development programs focused on the identification of novel anticancer and antiviral agents. Applicants with up to 5 years of postdoctoral experience should have a broad knowledge of the use of in vitro and in vivo models of efficacy, pharmacology and safety studies, together with an interest in drug metabolism and pharmacokinetics. Code 95W.

Protein crystallography — A background in macromolecular crystallography, including experimental aspects of structure solution and refinement, is required. The successful candidate will also have experience in the use of high resolution molecular graphics for structure analysis and interpretation. Applicants should be interested in computer graphics-assisted design of ligands in the context of a multidisciplinary team that includes synthetic organic and computational chemists as well as crystallographers. Code 95D.

We offer competitive salaries and benefits in a superb location. Please send résumés (coded to the position for which you are applying) in confidence to:

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

Biology Faculty Position
University of California, San Diego

The Department of Biology at the University of California, San Diego, invites applications for a tenure track Assistant Professor faculty position. Preference will be given to individuals with a proven research interest in defining the spatial organization, the assembly, and the dynamics of complex cellular structures. Such studies might focus on cytoskeletal organization, membrane-cytoskeletal interactions, membrane biogenesis, cell adhesion, and cell motility. Individuals using innovative optical or electron microscopic techniques are particularly encouraged to apply. The successful candidate is expected to pursue a vigorous research program and to participate in graduate and undergraduate teaching programs. The position is available effective Fall, 1994, subject to availability of funding, with salary based on University of California pay scales.

Interested individuals should submit a curriculum vitae, a statement of prior experience, professional goals, and research interests, and the names of three references by December 15, 1993, to:

Dr. John Newport
Biology Search Committee
c/o Ms. Carrie Garnett
Department of Biology 9346
University of California, San Diego
9500 Gilman Dr.
La Jolla, CA 92037-0346

The University of California, San Diego, is an equal opportunity/affirmative action employer.

AQUATIC ECOLOGIST (Anticipated Position)

The National Biological Survey invites applications for a Research Fishery Biologist (GS-482-11/12) to serve as the Assistant Unit Leader for Fish at the New Mexico Cooperative Fish and Wildlife Research Unit. The successful candidate will be located at New Mexico State University, in Los Alamos, New Mexico, where the Unit is housed. The successful candidate will receive an adjunct faculty appointment to the Fishery and Wildlife Science Department in the College of Agriculture and Home Economics. Minimum qualifications include: Ph.D. in Aquatic Ecology, Aquatic Systems, Conservation Biology, Fishery Management or a related field with strong ecological or systems level training; specialization in aquatic systems with quantitative applications to contemporary resource management needs; publication record in area of expertise; and demonstrated experience working productively in a collaborative, interdisciplinary, or multidisciplinary setting. Desired qualifications include: course work and practical experience in the area of environmental contamination detection, ecological transfer, or interpretation of effects on organisms and systems; field and laboratory experience in aquatic systems research with application to fresh water fishery management; experience in a resource conservation or management setting in public or private sector; and familiarity with working in networked systems or microcomputers, minicomputers, and mainframe terminals.

For application details, contact Dr. Phillip Zwank at the New Mexico Cooperative Fish and Wildlife Research Unit (505/666-4053). The National Biological Survey will pay up to $10,000 for associated moving expenses as authorized by Federal Travel Regulations.

The U.S. National Biological Survey is an Equal Opportunity Employer.

Scientists

Miles Inc., Diagnostics Division, a worldwide developer of clinical laboratory instruments, is expanding its research and development activities in the fast-growing and challenging area of automated, high sensitivity immunoassays.

There are immediate positions available for forward thinking R&D scientists, at the Ph.D. level, with solid academic training and 3-4 years' industrial or postdoctoral experience in immunochemistry, protein chemistry, or immunoassay development.

Challenging career opportunities are also available for highly motivated scientists at the BS/MS level with immunoassay product development experience.

The Diagnostics Division offers an environment conducive to professional growth as well as an excellent compensation and benefits program. Send CV in confidence to:

Manager of Human Resources, Technical Staffing, Miles Inc., Diagnostics Division, 511 Benedict Ave., Tarrytown, NY 10591. An Equal Opportunity Employer M/F/H/V.

MILES

Diagnostics Division
MOLECULAR GENETIC/GENE THERAPY
POSITIONS OPEN

The Section of Medical Genetics at the School of Veterinary Medicine, University of Pennsylvania, is seeking a postdoctoral fellow to join a large program in comparative molecular biology of inherited diseases of companion animals as models of human diseases. A canine model of phosphofructokinase deficiency causing hemolyis and myopathy is being used to characterize the molecular genetics. The fellow will develop and evaluate muscle and stem cell gene therapy. Studies include retroviral vector development, bone marrow and myoblast transplantation, and tissue specific gene expression. Applicants should have a doctoral degree (Ph.D., D.V.M., M.D.), and training in molecular genetics and cell biology is highly desirable. Application and resume are required; include curriculum vitae, address, telephone/FAX numbers of three references, and should be directed to: Dr. Urs Giger, VHPH, 3850 Spruce Street, Philadelphia, PA 19104-6010, Telephone: 215-898-8830, FAX: 215-573-2166.

The University of Pennsylvania is an Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP to start immediately for Ph.D. Molecular Biologist with experience in standard and novel molecular biology techniques, development of recombinant mammalian expression systems, and molecular analysis of secreted proteins. The candidate would lead to a faculty position affiliated with Loma Linda University. The research work is performed in a large, multidisciplinary laboratory. Salary and benefits are competitive. Send curriculum vitae and references to: Dr. R. Tsien, Department of Molecular and Cellular Pharmacology, Loma Linda University, Loma Linda, CA 92357.

POSTDOCTORAL ASSOCIATE—Position available for individual to perform analysis of expression and experimental manipulation of genes encoding growth factor ligand/receptor and cell adhesion molecules. Experience in cloning transfected trangenic mouse males of malignant skin melanoma. Strong experience in molecular biology techniques required. Send curriculum vitae and names of three references to: Dr. Beatrice Minta, Department of Molecular Biology, University of Pennsylvania, 3400 Spruce Street, Philadelphia, PA 19104. We are an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATE wanted for studies of protein ubiquitination. Specific areas include (1) structure-function studies of ubiquitin ligation pathway enzymes, and (2) regulation of mitotic cyclin degradation in yeast. Experience in biochemistry or yeast genetics desired. Send curriculum vitae and three letters of reference to: Dr. David K. Gonda, Department of Molecular Biology and Biochemistry, University of California, Irvine, 92617. We are an Equal Opportunity Employer.

POSTDOCTORAL RESEARCH ASSOCIATE POSITION available immediately at the University of Georgia Environmental Institute (UGEI). The UGEI is a multi-disciplinary research center of the University of Georgia that works to solve problems in the field of environmental science using a combination of academic and applied research. The research associate is expected to work on an ongoing project related to the use of molecular techniques to study the effects of pollutants on the environment. The position requires a Ph.D. in molecular biology or a related field. The position includes a stipend of $22,000 per year and benefits. Send a letter of interest, curriculum vitae, and names of three references to: Dr. J. T. Smith, UGEI, University of Georgia, Athens, GA 30602. We are an Equal Opportunity Employer.

A POSTDOCTORAL RESEARCH POSITION is available for a Ph.D. with molecular biology experience to study transcription factors involved in the regulation of programmed cell death and other critical processes in the muscle and heart. Experience with techniques in the field of molecular biology required. Please submit cover letter, curriculum vitae, Statement of Research Plans, three reference letters, and a list of publications to: Dr. R. E. W. Smith, Department of Molecular Biology, University of Mississippi Medical Center, Jackson, MS 39216. We are an Equal Opportunity Employer.

RESEARCH ASSOCIATE/ASSISTANT positions to study (i) mechanism of eukaryotic DNA replication, and (ii) molecular biology of estrogen function in breast cancer. Positions require publication and proven experience in molecular biology/ enzymology/molecular genetics. Send curriculum vitae to: Dr. B. R. Brown, Department of Biology, Eastern Washington University, Cheney, WA 99004-2445. We are an Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATE—A five-year postdoctoral associate position is immediately available to study the molecular regulatory mechanisms of differen- tiation of osteoblasts and cementoblasts. Strong background and experience in molecular biology, gene cloning and characterization, and PCR techniques are required. Send curriculum vitae and the names of three references to: Dr. M. C. Daugherty, Department of Oral Biology, University of North Carolina, Chapel Hill, NC 27514. We are an Equal Opportunity Employer.

Northeastern University School of Medicine. A position is open for a RESEARCH ASSOCIATE interested in glial cells in both normal and pathological conditions. Particular emphasis will be placed on understanding CNS inflammation due to demyelinating autoimmune and viral diseases both in vivo and in culture conditions, and on the development of astrocyte cell lines. Selection will be guided by knowledge of CNS remyelination. The candidate should be a cellular biologist with experience in basic molecular techniques. Send résumé and a list of three references to: Dr. M. C. Daugherty, Department of Oral Biology, Northeastern University School of Medicine, 303 East Chicago Avenue, Chicago, IL 60611-3008.

The Nature Conservancy seeks an ecologist to coordinate ecological change and management, and mapping work in support of conservation efforts in the Latin America and Caribbean region. This position focuses on vegetation classification, providing leadership in the development and application of Rapid Ecological Assessment techniques. Requirements include: advanced degree with specialization in vegetation ecology; experience in Latin America; familiarity with major neotropical ecosystems; experience with remote sensing-based land cover mapping; and fluency in English and Spanish.

The Conservancy is located in Washington, D.C. Send an application and resume, with three references to: Dr. Bruce Stein, Director, Latin America Science Program, The Nature Conservancy, 1815 North Lynn Street, Arlington, VA 22209. The Network Conservancy is an Equal Opportunity Employer.

SENIOR SCIENTIST

Direct R&D in marine meteorology. Develop systems for predictions and communications. Analyze routing strategy and vessel needs, and conduct research. Requires experience with seakeeping software, FORTTRAN, C, MS, and NDIP compilers and navigation instruments. Requires Ph.D. in marine meteorology or equivalent and 1 year in marine meteorology or 2 years of software R&D in related nautical field. $50,500 to $52,000 per year, 40 hours per week. Job interview site: Sunnyside, CA. Must have the legal authority to work in the United States. Send ad with resume to: Job #TGA42040, P.O. Box 269065, Sacramento, CA 95826-9065. Equal Employment Opportunity.

The Anatomy Department of the Medical College of Ohio is opening a search for a tenure-track or tenured NEUROBIOLIOGIST studying neural organization at the molecular, cellular, or system level. Applicants for an assistant professorship should have a demonstrated ability to establish an independent and funded research program. Applicants for more senior appointments should have an established record of productivity and a history of successful grants. Applicants with interests in histology and behavior will be especially encouraged to apply. The Department of Anatomy offers freedom of time to pursue research questions and a high level of supportive and generous start-up funds. The University of Cincinnati offers a range of courses in the field of neuroscience, including courses in behavioral neuroscience, cellular and molecular biology, and brain development. Send curriculum vitae, a brief statement of research plans, and the names of 3 to 4 references to: Dr. W. T. Walter, University of Cincinnati, Center for Faculty Search Committee, Department of Anatomy, Medical College of Ohio, Toledo, OH 43699-0008. Equal Employment Opportunity.

The Human Gene Therapy Research Institute (HGTRI) at Iowa Methodist Medical Center is actively recruiting M.D. and Ph.D. SCIENTISTS of various experience levels with expertise in hematology/oncology, infectious diseases, genetics, molecular biology, surgical oncology and neurosurgery to participate in the development and initiation of human gene therapy clinical trials. The HGTRI was established in 1993 under the direction of Dr. Kenneth W. Culver and contains more than 12,400 square feet of laboratories and clinical facilities. The Iowa Methodist Medical Center is a 710-bed non-profit tertiary care hospital located in Des Moines, Iowa. Academic affiliates with Iowa State University and the University of Iowa provide an ideal environment for the efficient development of gene therapy as a new treatment modality and clinical discipline. Please forward a copy of your curriculum vitae and positions of three references to: Jonathan J. Lipman, Ph.D., Pharmacology Group Leader, Molecular Genetics Corp., 101 Waukegan Road, Suite 970, Lake Bluff, IL 60044. Equal Opportunity/Affirmative Action Employer.

PHYSICAL SCIENCE

RESEARCH ASSOCIATE

E. L. GINZTON LABORATORY

Responsibilities include development of numerical analysis software for the study of the physics of semiconductor lasers, electronic devices and optoelectronic devices. Applicants are required to have a Ph.D. in EE or Applied Physics, 3 or more years of work experience in the field. Experience in optical cavity lasers, high-power semiconductor lasers, quantum optics, optical properties of semiconductor materials, low dimensional state physics, optical and quantum electronics, spectral, noise and modulation properties of semiconductor lasers, modal behavior of resonators, nonlinear propagation of EM waves are desired. Please send an application, curriculum vitae and names of three references to: Prof. C. Chang-Hasbain, E. L. Ginzton Laboratory, Stanford University, Stanford, CA 94305-4085 by September 30, 1993.
ENDOWED EMINENT SCHOLAR & FACULTY POSITION 
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The Georgia Institute of Technology invites applications for an endowed, tenure-track faculty position in Atmospheric Chemistry and/or Air Quality Management. The position is accompanied by a $1.5 million endowment, funded in part by the Georgia Research Alliance, and an appointment at the rank of Full Professor in the School of Earth and Atmospheric Sciences at Georgia Tech. In addition to his or her normal academic duties, the Scholar will head a statewide effort among Georgia’s major research universities to develop and apply air quality forecasting tools capable of providing guidance to local, regional, national, and international economic planning boards and environmental management agencies.

The successful candidate should have a record of scientific excellence and leadership commensurate with a senior academic appointment. While all areas of specialization in atmospheric chemistry and air quality management will be considered, preference will be given to scientists working on urban- and regional-scale air quality modeling.

Applications and inquiries should be forwarded to:

Dr. C.S. Kiang, Chairman
Eminent Scholar Search Committee
School of Earth and Atmospheric Sciences
Georgia Institute of Technology
Atlanta, GA 30332
E-mail: carol.thomas@ees.gatech.edu
PHONE: Voice: (404) 894-1748
FAX: (404) 853-0232

The deadline for submission of applications is December 1, 1993. The Search Committee intends to begin interviewing candidates in January, 1994.

The Georgia Institute of Technology is an equal opportunity affirmative action institution.

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Please submit current curriculum vitae, including three professional references, to: Protein Crystallographer; Searle Human Resources; Mail Zone BB5E; Searle c/o Monsanto Company; 700 Chesterfield Parkway; St. Louis, MO 63198. An Equal Opportunity Employer M/F/D/V.

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Postdoctoral Fellow

This renewable, one-year position will involve problem-solving in the area of biochemical molecules, protein sequencing and carbohydrate analysis. The selected candidate will perform project work as well as research. Our environment features several mass spectrometers with capabilities in a wide variety of MS techniques, including LD, PD, FAB, ESI, TSP, MSMS, LCMs and GCMS.

We require a PhD or other advanced study in Analytical Chemistry, Biochemistry or related fields. Experience in mass spectrometry, protein handling and HPLC is desirable.

Abbott provides an excellent salary and benefits package including profit sharing and a stock retirement plan. We are located in an attractive suburban area, approximately 30 miles north of Chicago. For confidential consideration, please send a resume and salary history to: Patricia Haas, D.-SBS, APED, Job# SM55294, Abbott Laboratories, One Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer/Smoke-Free Environment.

Miles Inc., Pharmaceutical Division, is a multi-faceted, continuously expanding campus in West Haven, CT. Our location offers employees Connecticut countrysides and nearby shorelines as well as easy access to the cultural advantages and diversity of New York, Boston and Yale University. As a highly progressive company, we can offer you exceptional growth and advancement opportunities in our highly interdisciplinary environment.

CELL AND MOLECULAR BIOLOGIST

We have several openings for Associate Research Scientists in the Institute for Molecular Biologicals to participate in integrated research programs to discover and characterize novel proteins of potential therapeutic value.

The candidate must have proven experience in animal cell culture, transfection methodologies, characterization of novel cell lines, and bioassay development. Proficiency with DNA/RNA methodologies and/or the expression, purification, and characterization of recombinant proteins is essential. A Bachelor's degree and either a Master's degree or 2-3 years' experience in a relevant area is required.

We offer a competitive salary and comprehensive benefits package. If you'd like to join our team, please send resume to: Miles Inc., Pharmaceutical Division, Dept. ELJG, 400 Morgan Lane, West Haven, CT 06516. An Equal Opportunity Employer M/F/D/V.
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Applications are invited by the Governing Body of the College for the following full-time statutory post:

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University College Dublin is the largest third level institution in Ireland. The department of Computer Science is part of the Faculty of Science and is housed in its own purpose-built building on the attractive 300 acre Belfield university campus on the south side of Dublin City.

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The professor will have the opportunity to play a leading role in the development of a new industry-sponsored advanced parallel super-computing facility currently being established on campus.

Prior to application, further information (including application procedure) may be obtained from the Personnel Office, University College Dublin, Belfield, Dublin 4, Ireland (quoting above reference number). Telephone enquiries: (+353-1) 7061412/7061508. FAX: (+353-1) 2692472.

The closing date for receipt of completed applications is: Thursday, 16 December 1993.

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The Center invites outstanding individuals in developmental neurobiology to apply for faculty appointments as Assistant and Associate Professor, rank commensurate with qualifications. Theses positions are part of a major commitment to further, through the Center, the development of neuroscience at UC Davis. We seek candidates who use molecular and cellular approaches to address problems in the development of nervous systems. Appropriate research areas include establishment and maintenance of specific connections in the nervous system, mechanisms that underlie neuronal differentiation, and development. Preference will be shown to applicants who have both evolutionary and functional perspectives.

The Center for neuroscience is a campus-wide unit involving faculty from five different colleges/schools at Davis. The faculty’s fields of research range from a systems approach to cellular neurobiology. The University of California is an affirmative action/equal opportunity employer.

The selection committee will begin to review applications on October 15; these positions will remain open until filled.

Applicants should send curriculum vitae and the names of at least three references to:

Michael S. Gazarian, Ph.D.
Director, Center for Neuroscience
University of California
Davis, CA 95616

FACULTY POSITION IN
MOLECULAR GENETICS
UNIVERSITY OF FLORIDA
COLLEGE OF MEDICINE
The Center for Mammalian Genetics and the Department of Biochemistry & Molecular Biology in the University of Florida College of Medicine invite applications for a tenure-track faculty position at the level of Assistant Professor. The successful applicant will have his/her primary appointment in the Department and will join 23 Center faculty with diverse interests in mammalian genetics. Applicants should have research interests in any of the following areas: human molecular genetics, developmental genetics, gene therapy, neurogenetics, and physical mapping. The Center and Department are housed in the recently opened Academic Research Building, and the appointee will have excellent laboratory facilities, a competitive salary, an attractive start-up package, and access to outstanding state-of-the-art molecular genetic core facilities. This is an interdisciplinary appointment designed to encourage extensive interaction with faculty throughout the College of Medicine and University of Florida.

Candidates should have a Ph.D. and/or M.D. degree with strong research training in molecular and/or mammalian genetics, including post-doctoral experience. A curriculum vitae, a description of research experience and interests, and three letters of reference should be sent to: Edward K. Wakeland, Director, Center for Mammalian Genetics, College of Medicine, University of Florida, Gainesville, FL 32610-0245. The closing date for submission of completed applications is December 1, 1993.

The University of Florida is an Equal Opportunity/ Affirmative Action Employer and specifically invites and encourages applications from qualified women and minority candidates.

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1993 ASMBB FALL SYMPOSIA
Keystone, Colorado
EPGENETIC MODIFICATIONS
OF THE GENOME
October 22-25
Organizer:
Shirley M. Tilghman, Princeton University
Keynote Speaker:
Tim Bestor, Harvard Medical School
Note: The symposium scheduled for Oct. 2-11: RECOMB INASE MEDIATED GENOME REORGANIZATION: PROGRAMMED, ABE RANT AND EXPERIMENTAL has been cancelled.

For information contact:
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Tel: 301-530-7010 • Fax 301-530-7014

Abbott Laboratories
Mass Spectrometry Postdoctoral Fellow
This renewable, one-year position will involve problem-solving in the area of biochemical molecules, protein sequencing and carbohydrate analysis. The selected candidate will perform project work as well as research. Our environment features several mass spectrometers with capabilities in a wide variety of MS techniques, including LD, PD, Fab, ESI, TSP, MS/MS, LCMS and GCMS.

We require a PhD or other advanced study in Analytical Chemistry, Biochemistry or related fields. Experience in mass spectrometry, protein handling and HPLC is desirable.

Abbott provides an excellent salary and benefits package including profit sharing and a stock retirement plan. We are located in an attractive suburban area, approximately 30 miles north of Chicago. For confidential consideration, please send a resume and salary history to: Patricia Handy, D-583, A&P&D, Job# SMS5294, Abbott Laboratories, One Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer/Smoke-Free Environment.

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POSITIONS OPEN

COAGULATION SCIENTIST
Instrumentation Laboratory (IL), a worldwide leader in the research and development of reagent biomedical instrumentation test systems, is currently seeking an individual for its Lexington, Massachusetts, facility. Responsibilities include research and development of blood coagulation controls, reagents and kits to be used on our instrumentation. Incumbent will participate in projects from the concept stage through development and to final market release. Qualified candidate will have a minimum of a B.S. degree in a biological science plus a minimum of three years of related experience in product development, preferably in an industrial environment. High level of independence and ability to meet rigorous deadlines are required.

IL offers an excellent salary and benefits package including 401(k) and tuition reimbursement. Interested candidates should submit resume and salary history to: Christopher Hatt, Human Resources, Instrumentation Laboratory, 113 Hartwell Avenue, Lexington, MA 02173-3190. IL is an Equal Opportunity Employer.

MOLECULAR BIOLOGIST—The Deborah Research Institute, a private non-profit research institute, has a position available for a Molecular Biologist to work in the cardiovascular system and muscle. This person must have a Ph.D., preferably in cell biology, biochemistry or Molecular Biology with at least two years of postdoctoral experience in a molecular genetics laboratory. The person must have capability of developing an independent research program, as well as collaborating with other basic and clinical scientists. Interested persons should submit current curriculum vitae, three published papers or manuscripts, and addresses of three references. Beginning date: January 1, 1994. Send information to: C. D. Iannuzzi, Ph.D., Director, Deborah Research Institute, Trenton/Pine Mill Roads, Browns Mills, N J 08015-1799. Telephone: (609) 893-1016, FAX: (609) 893-2441. An Equal Opportunity Employer.

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