COORDINATOR OF DEVELOPMENTAL RESEARCH

The Children's Hospital of Philadelphia

The Division of Pediatric Cardiology in the Department of Pediatrics, University of Pennsylvania School of Medicine is seeking an outstanding senior investigator (M.D. or Ph.D.) at the ASSOCIATE PROFESSOR/PROFESSOR level. The successful candidate will be responsible for building a research group of physicians and basic scientists at the Joseph Stokes Jr. Research Institute of The Children's Hospital of Philadelphia. The focus of this research should be in the area of development of the mammalian cardiovascular system. The successful candidate will direct the program in Cardiac Development within the Division and Institute as well as be responsible for building his/her own research group. This individual will be responsible for recruitment of additional faculty and coordination and development of existing and new programs and centers of research. The successful candidate must have extensive research experience and extramural funding, and experience in training young investigators. The expectation will be to develop an extramurally funded research program, train postdoctoral fellows, and participate in the education program of the pediatric cardiology division. Research space will be provided within the newly constructed Abramson Pediatric Research Center. Significant opportunity for collaboration exists with investigators in the Division of Surgery and Cardiovascular Surgery at The Children's Hospital of Philadelphia and throughout the University of Pennsylvania and the Wistar Institute. Applicants should send a curriculum vitae, research and teaching goals and interests, and three letters of recommendation by April 1, 1996. The Children's Hospital of Philadelphia is an Affirmative Action/Equal Opportunity Employer. Women, minorities, and persons with disabilities are encouraged to apply.

MAMMALIAN OR AVIAN PHYSIOLOGIST

Tenure-track, ASSISTANT PROFESSOR position anticipated for Fall 1996 at the University of New Orleans (UNO). Ph.D. required and postdoctoral research experience in physiological adaptations of mammals or birds preferred. The Department is affiliated with the Audubon Institute's Center for Research of Endangered Species providing research opportunities involving threatened and endangered mammals and birds. Initially, duties include developing an upper-level animal physiology laboratory, and later, participating in upper-level physiology courses and Introductory Biology. Our twenty-four faculty are expected to seek outside funding and engage in research, direct graduate student research, and teach courses. UNO (approximately 16,000 students) is in the LSU System on a campus overlooking Lake Pontchartrain. A statement of research interests, recent reprints, curriculum vitae, and three letters of recommendation should be sent by February 15, 1996 to: Dr. Donald L. Seabury, Committee, Biological Sciences, University of New Orleans, New Orleans, LA 70148. Email: BBBS@UNO.EDU. UNO is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN RADIATION BIOLOGY AT STANFORD UNIVERSITY

The Division of Radiation Biology of the Department of Radiation Oncology is seeking applicants for a non-tenure line RESEARCH ASSOCIATE PROFESSOR. We seek applicants with an interest in and a proven research record in the application of molecular biology to the area of DNA repair. Successful applicants will be expected to participate in an existing program in DNA damage and repair following ionizing radiation and eventually to develop his or her own research funding. Other research within the Division of Radiation Biology will be available for the successful candidate who would collaborate with various aspects of cellular stress to hypoxic conditions and exploitation of the oxygen catabolic pathways. Applicants will be expected to participate in an existing program in DNA damage and repair following ionizing radiation and eventually to develop his or her own research funding. Other research within the Division of Radiation Biology will be available for the successful candidate who would collaborate with various aspects of cellular stress to hypoxic conditions and exploitation of the oxygen catabolic pathways. Applicants will be expected to participate in an existing program in DNA damage and repair following ionizing radiation and eventually to develop his or her own research funding. Other research within the Division of Radiation Biology will be available for the successful candidate who would collaborate with various aspects of cellular stress to hypoxic conditions and exploitation of the oxygen catabolic pathways. Applicants will be expected to participate in an existing program in DNA damage and repair following ionizing radiation and eventually to develop his or her own research funding. Other research within the Division of Radiation Biology will be available for the successful candidate who would collaborate with various aspects of cellular stress to hypoxic conditions and exploitation of the oxygen catabolic pathways. Applicants will be expected to participate in an existing program in DNA damage and repair following ionizing radiation and eventually to develop his or her own research funding. Other research within the Division of Radiation Biology will be available for the successful candidate who would collaborate with various aspects of cellular stress to hypoxic conditions and exploitation of the oxygen catabolic pathways. Applicants will be expected to participate in an existing program in DNA damage and repair following ionizing radiation and eventually to develop his or her own research funding. Other research within the Division of Radiation Biology will be available for the successful candidate who would collaborate with various aspects of cellular stress to hypoxic conditions and exploitation of the oxygen catabolic pathways. Applications are solicited from qualified women and men for this position and from qualified minority groups on its faculty and particularly encourages applications from such candidates.

BIOLOGY/ENVIRONMENTAL BIOLOGY FACULTY

Governors State University invites applications and nominations for a TENURE-TRACK FACULTY POSITION in Biology/Environment for fall of 1996. Located 35 miles south of downtown Chicago, Governors State University serves over 6,000 students in the College of Arts and Sciences and Public Administration, Education, and Health Professions.

Description of Position: Undergraduate teaching includes Animal Diversity (Zoology), Basic Ecology, a natural history course, Evolution, Plant Systematics, Mammalogy, etc. appropriate to background) and either Comparative Anatomy or Microbiology. Masters level responsibilities include courses in upper-level areas Ecology, Meth-
PHYSIOLOGY AND BIOPHYSICS
ASSISTANT OR ASSOCIATE PROFESSOR

Applications are invited for a tenure-leading faculty position in the Department of Physiology and Biophysics at the University of Nebraska Medical Center in Omaha. We are seeking a CARdioVASCULAR PHysiOlogIST who is currently working as an independent investigator on funded research in an area of heart failure, hypertension or cardiac arrest and resuscitation, specifically for the position of Associate Professor. The successful candidate will be expected to develop and teach an independent research program which can result in funded positions. Applications will be accepted until December 1, 1996. Letters of recommendation should be sent to: Dr. Jack C. Schumaker, Chair, Physiology and Biophysics, University of Nebraska Medical Center, 9840 Farnam Street, Omaha, NE 68120. Full consideration will be given to one whose research would be compatible with that of other faculty members in the Department of Physiology and Biophysics.

FACULTY POSITION IN SYSTEMS NEUROPHYSIOLOGY OR NEUROETHOLOGY

The Department of Biology at the City College of the City University of New York seeks a NEUROPHYSIOLOGIST working at the systems level who has a strong independent research record. Salary will be commensurate with experience and will be subject to final approval by the college. Application should be submitted by December 15, 1996. A curriculum vitae, a statement of research interests, and three letters of recommendation should be sent to: Dr. John G. Roderick, Chair, Department of Biology, City College of the City University of New York, Convent Avenue at 138th Street, New York, NY 10031. An Affirmative Action/Equal Opportunity Employer. Reasonable accommodations provided for individuals with disabilities upon request.

CANCER GENETICIST

The Department of Genetics at the Southwest Foundation for Biomedical Research invites applications for a FACULTY-LEVEL POSITION for an individual with an active background in cancer research. The successful candidate will be expected to develop a strong independent research program and will be expected to participate in research programs with members of our laboratories of molecular genetics, bio-chemical genetics, immunogenetics, population genetics, quantitative genetics, and cell biology. This position is a critical component of a major research initiative involving our pedigreed colony of 2400 Monodelphis domestica, which is a unique model for UV-induced melanoma and corneal cancer. Research with genetically altered and our pedigreed colony of 3000 baboons also is possible. Academic affiliation also may be possible. A Ph.D. with post-doctoral research experience is required. Salary and rank will be commensurate with experience. This is an excellent opportunity for a creative scientist to have a leadership role in a dynamic genetics department. Send resume, statement of research interests, a current address, and telephone number of three references to: Dr. James E. Hisson, Search Committee Chair, c/o Mike Moore, Director, HR/Cooperation, Southwest Foundation for Biomedical Research, P.O. Box 28147, San Antonio, TX 78228-0147. An Equal Opportunity Employer, Male/Female.

BEHAVIORAL ECOLOGIST

VISITING POSITION for 1996–97 at John Carroll University, a Catholic and Jesuit University, offering B.S., M.S. and M.A. degrees. Successful applicant will be a viable candidate if position is converted to tenure-track. Responsibilities will be to teach behavior at the graduate level and evolution and ecology to undergraduates. Cappability to teach genetics is desirable. Load is 12 credit hours. Submit letter of application, curriculum vitae, statement of teaching philosophy, and three references to: Dr. John Carroll University, English Department, John Carroll University, University Heights, OH 44118. An Equal Opportunity/Affirmative Action Employer; women and minorities encouraged to apply.

ENVIRONMENTAL SCIENCE AND POLICY

Two tenure-track ASSISTANT PROFESSOR positions, environmental science/statistics and environmen- tal policy, are available at the undergraduate and graduate level for the Department of Environmental Science and Policy. Applicants are encouraged to send curriculum vitae, a statement of research interests, and three letters of recommendation to the Chair, Graduate Committee, Department of Environmental Science and Policy, University of California, Santa Barbara, CA 93106-2104. A curriculum vitae, and list of at least three references to: Dr. J. R. Pratt, Chair, Environmental Science and Policy, Department of Environmental Science and Policy, University of California, Santa Barbara, CA 93106-2104. Telephone: 805-893-4210. E-mail: jpratt@ucsb.edu.

ASSISTANT PROFESSOR

Drosophila Molecular Biologist

The Department of Biochemistry and Molecular Genetics at the University of Alabama at Birmingham is seeking applications from individuals who work with Drosophila. The specific area of research is open. This is a TENURE-TRACK FACULTY POSITION. The successful candidate may begin their appointment as early as October 1, 1996. He/she will be expected to develop a funded research program and to teach in the graduate and medical/dental programs. Interested individuals should forward a curriculum vitae, a statement of research interests, and three letters of recommendation by March 30, 1996 to: Dr. James E. Bagot, Department of Biochemistry and Molecular Genetics, University of Alabama at Birmingham, Birmingham, AL 35294. An Equal Opportunity/Affirmative Action Employer.
Applicants are selected for Federal applications by the NIH. Applicants must be available for the initial appointment, and the position may range from $20,000 to $97,991, depending on qualifications, depending on the level of education and experience. The NIH is an equal opportunity employer.

**MOLECULAR NEUROSCIENCE**

Department of Developmental Neurobiology

St. Jude Children's Research Hospital, Danny Thomas, Founder, a renowned center for biomedical research, has launched an initiative in the neurosciences housed in the recently completed Danny Thomas Tower. To this end, a new Department of Developmental Neurobiology, dedicated to the investigation of fundamental questions in contemporary neurobiology, has been created. The department is now recruiting postdoctoral fellows, graduate students and technical staff with research interests and training in molecular and cellular neurobiology. Currently, the department comprises Dr. Tom Curran (analysis of gene regulation; gene function during neurodevelopment), Dr. James Morgan (molecular basis of neuronal de-generation and regeneration; stimulus-transcription coupling in the nervous system), Dr. Suzanne Baker (molecular basis of carcinogenesis in Ewing's sarcoma and pediatric brain tumors) and Dr. Michi Yuzaki (role of excitatory amino acid receptors in development and function of the nervous system; mechanisms of synaptic plasticity).

The campus provides a state-of-the-art research environment including new, custom designed laboratories and core facilities for molecular biology, peptide and protein chemistry, genomics and transgenic/knockout technology. The research towers presently house approximately 300 doctoral level scientists who provide a rich and interactive scientific environment. In addition, the Department is fostering strong intellectual and collaborative ties with neuroscientists and neurologists at the University of Tennessee Medical School. The faculty are affiliated with the Neuroscience Graduate Program in the Department of Anatomy and Neurobiology.

Postdoctoral candidates should send a CV and 3 letters of recommendation to the research lab of interest. Candidates for technical positions should write or call Kathleen Speck, human resources department, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38105, (901-495-2770), for information and application forms. Potential graduate students should write or call Dr. Jean Laucht (901-495-2265) for information about the Neuroscience graduate program. We expect to fill positions during the Spring of 1996; therefore, applicants should inquire before the end of January.

**Vice Provost for Research**

The University of Pennsylvania invites applications and nominations for the position of Vice Provost for Research. The Vice Provost is responsible to the Provost for the development and implementation of policies and procedures that promote excellence in research across the University. In this capacity the Vice Provost explores potential new areas for research and oversees long-range planning efforts with respect to research and to facilities and support at the University. Advises the Provost on all such efforts, provides leadership and coordination of multi-disciplinary research programs, and represents Penn to federal and other funding agencies. The Vice Provost is responsible for administering and coordinating a wide variety of activities supporting research at Penn, including the Provost's Council on Research, the Research Foundation, and the Research Facilities Development Fund. In addition, the Vice Provost has direct supervisory responsibility for five administrative entities: the Office of Research Administration, the Center for Technology Transfer, the University Laboratory Animal Resources, the Office of Radiation Safety and the Office of Environmental Health and Safety.

Candidates for the position must have a strong record of research and scholarship sufficient to merit appointment as a full professor in an academic department of the University, knowledge of the operations and practices of a comprehensive research-oriented university, and proven administrative competence.

The position is available in July, 1996. Applications should include a curriculum vitae and other information which will help the search committee in evaluating the application. The review of applications will begin February 1, 1996. All nominations, applications, and supporting materials should be mailed to:

Vice Provost for Research Search Committee
Office of the Provost
University of Pennsylvania
110 College Hall
Philadelphia, PA 19104-6303.

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER
SABBATICAL LEAVE APPOINTMENT: EMINENT AQUATIC ECOLOGIST

The Florida Center for Environmental Studies (CES) has funding ($50,000) to support a 12 month Sabbatical Leave position for an EMINENT AQUATIC ECOLOGIST. Candidates must have a Ph.D. and extensive experience in aquatic research, supported by a significant grant award and strong publication record. Expertise in restoration ecology of estuarine and coastal wetlands, and in aquatic toxicology is required. Applications should include information for five references to: Ms. Jo Ann Jolley, Florida Center for Environmental Studies, Florida Atlantic University—North Campus, 3970 RCA Boulevard, Suite 7400, Palm Beach Gardens, FL 33410. Application review will begin February 1, 1996. An Equal Employment Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSORS IN LIFE AND EARTH SCIENCES, OTTERBEIN COLLEGE

BOTANIST: Ph.D. in plant physiology with experience in plant molecular biology and systematics. Teaching responsibilities include plant genetics, and advanced plant biology courses in the life science major and courses in the college’s general education program. Experience in ecology and paleontology to teach earth science and environmental courses. Position supports the life science major and faculty, a statement of teaching philosophy, and three letters of recommendation by: March 1, 1996. An Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

RESEARCH ASSISTANT SCIENTIST

The Division of Infectious Diseases, Department of Medicine, Indiana University Medical Center invites the appointment of a faculty member at the ASSISTANT SCIENTIST level. The position is 100 percent research with a strong focus on molecular epidemiology of Chlamydia trachomatis. Appropriate training in molecular biology, biochemistry, or virology, Molecular Biology, or a related field. Postdoctoral experience is preferred and experience with nucleic acids is required. The successful candidate will be expected to work closely with an established group of investigators on the molecular epidemiology and immunology of Chlamydia trachomatis. Applications should include a curriculum vitae, a statement of research interest, and the names and addresses of three individuals who may be contacted for letters of reference to: Dr. Robert B. Jones, Ph.D., Chief, Division of Infectious Diseases, Department of Medicine, Indiana University School of Medicine, 1100 West Michigan Street, Indianapolis, IN 46202. An equal opportunity/Affirmative Action Employer and welcomes applications from women and minority group members.

PROFESSOR OF BIOCHEMISTRY OR BIOPHYSICS

The Department of Biology invites applications for a tenure-track FACULTY POSITION in microbial ecology. We seek a college faculty member with experience in marine bacteria who would complement our present programs in planktonic food web interactions, nutrient cycling, biogeochemical fluxes and wetland ecology. The successful candidate is expected to participate in an externally funded research program and to participate in our graduate education program. A Ph.D. in biological oceanography or microbiology is required with postdoctoral experience. Applicants should send a cover letter, a statement of research interests, curriculum vitae and the names of four references by 1 March 1996 to: Michael Roman, Chairman, Microbial Oceanographic Research Group, Post Office Box 1917, Horn Point Environmental Laboratory, P.O. Box 775, Cambridge, MD 21613. Telephone: 410-228-8200. Affirmative Action/Equal Opportunity Employer.

ASSOCIATE PROFESSOR

The Department of Veterinary Anatomy and Cell Biology is seeking a cell biologist/molecular biologist for a tenure-track faculty position at the ASSOCIATE PROFESSOR level starting June 1, 1996. Applicant should have Ph.D. or equivalent in a biological or biomedical science, postdoctoral experience, and a background in molecular biology, ability to teach neuroanatomy/neuroscience, and extramural funding. Application deadline is February 1, 1996, or until suitable candidate is found. Submit curriculum vitae; names, addresses, and telephone numbers of at least three references; and a summary of current research to: Dr. George M. Trachtenberg, Department of Veterinary Anatomy and Cell Biology, School of Veterinary Medicine, Louisiana State University, Baton Rouge, LA 70803. Louisiana State University is an Equal Opportunity/Affirmative Action Employer.

STATE UNIVERSITY OF NEW YORK COLLEGE AT OLD WESTBURY

ASSISTANT PROFESSOR: Biology: Tenure-track teaching position beginning fall 1996 in an ethnically diverse undergraduate college. Candidates must have a Ph.D. and demonstrated experience in a biology or related field with an interest in teaching and conducting research in cell biology. Responsibilities include teaching, curriculum development, and participation in the academic community. Application deadline is February 23, 1996. The State University of New York is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

COLUMBIA UNIVERSITY

The Department of Microbiology seeks an outstanding candidate for a tenure-track position at the ASSISTANT PROFESSOR level. The applicant’s research program should focus on genetic and biochemical analysis of bacterial signal transduction, cell cycle regulation, chromosome replication and gene expression, or related topics in yeast. Columbia University has a strong graduate program and an interactive faculty working in related areas. Send a curriculum vitae, names and addresses of three letters of reference to: Dr. Marian Carlson, Search Committee Chair, Yeast Molecular Genetics Search Committee, Department of Microbiology, HHSC, 1208 Columbia University, 701 West 168th Street, New York, NY 10032. Columbia University is an Affirmative Action/Equal Opportunity Employer.

ENVIROMENTAL STUDIES

Westminster College seeks a SENIOR ASSISTANT or JUNIOR ASSOCIATE PROFESSOR to develop an environmental studies program. Applicants should have a doctorate in an appropriate field, strong commitment to undergraduate teaching and advising, and evidence of professional growth. The appointee will teach core courses in the program and introduce courses in one or more of the following areas: earth sciences, geology, geography, and meteorology. The position begins July 1996. Contact: Prof. Hank Ortinger, c/o Office of the Dean of Faculty and Vice President, Westminster College, 501 Westminster Avenue, Fulton, MO 65251. Closing date: February 15, 1996. Westminster College is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.

ASSISTANT PROFESSOR

Ph.D. is required. Expertise in immunology/microbiology. In addition to excellence in teaching, the ability to develop a strong research laboratory using state of the art techniques is required. Successful candidate for this position will have primary teaching responsibilities in the College of Arts and Sciences, with possible secondary responsibilities in the Honors College. Appointment commences September 1, 1996. The deadline for applications is February 1, 1996. This position is subject to availability of funding and Board of Trustees approval. Apply to: Dean, College of Arts and Sciences, Garden City, NY 11530-4299. Equal Opportunity/Affirmative Action Employer.

固定任期职位（研究助理教授）作为ASSOCIATE DIRECTOR of the Pacific Northwest Tree Improvement Research Cooperative, which conducts genetics research in support of applied breeding programs. Position is available April 1, 1996. Ph.D. in forest genetics with strong background in quantitative genetics and direct experience in writing scientific articles. Salary range of $33,996 to $39,000 per annum. Reappointment at the discretion of the Director of the Cooperative. Send résumé, name, and three letters of recommendation to: Silvia Ferretti, D.O., Dean and Vice President of Academic Affairs, Oregon State University, Forest Research Center, College of Forestry, Oregon State University, Corvallis, OR 97331-7501. Oregon State University is an Equal Employment Opportunity/Affirmative Action Employer and is responsive to dual-career needs.
ANNOUNCING THE UNCF·MERCK POSTDOCTORAL SCIENCE RESEARCH FELLOWSHIPS

Ten $55,000 awards will be made in 1996. Each award consists of

- **FELLOWSHIP STIPEND UP TO $40,000**
- **INSTITUTIONAL GRANT UP TO $15,000**

Applicants must be:
- African American
- Appointed as a postdoctoral fellow during the 1996 calendar year at an academic institution or a non-academic institution, such as the National Institutes of Health or the Centers for Disease Control
- Committed to conduct research at a Merck research facility for a minimum of three months
- A U.S. citizen or permanent resident.

For application packets, contact: Rebecca Bennett, The College Fund/UNCF, 1-800-331-2244

**Deadline for receipt is February 26, 1996**

"A mind is a terrible thing to waste."

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**FACULTY POSITION IN MICROBIOLOGY**
**MICHIGAN STATE UNIVERSITY and EDITOR-IN-CHIEF BERGEY'S MANUAL**

The Department of Microbiology at Michigan State University and the Board of Trustees of the Merck Manual Trust intend to make an academic year appointment at the level of ASSOCIATE OR FULL PROFESSOR (with tenure), which would also carry the title and responsibilities of EDITOR-IN-CHIEF for the Merck Manual Trust. In addition, the successful applicant will be appointed with the MSU-National Science Foundation Center for Microbial Ecology. Applicants are sought with expertise in microbial systematics and/or biodiversity. Responsibilities include supervising the publication activities of the Merck's Manual Trust, attracting external support for research in the general area of microbial systematics and diversity, and teaching duties at the undergraduate and/or graduate level. A Ph.D. degree and demonstrated success and visibility in microbiology are required, along with the ability to work with the contributors to and publishers of Microbial Manual and associated publications.

The Department of Microbiology at MSU is one of the largest and most diverse departments in the nation. To apply, send a C.V. along with a plan describing future goals in research and in the role of Editor-in-Chief to: Dr. John Holt, Search Committee, Department of Microbiology, Gillium Hall, Michigan State University, East Lansing, MI 48824. Review of applications will begin March 1, 1996.

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**NATIONAL INSTITUTES OF HEALTH / DEPARTMENT OF HEALTH AND HUMAN SERVICES**
**CHIEF, NEUROBIOLOGY AND ANESTHESIOLOGY BRANCH (NAB)**

The National Institute of Dental Research (NIDR) invites nominations and applications for the position of Chief, Neurobiology and Anesthesiology Branch (NAB). The Chief, NAB, is responsible for the scientific and administrative management of a multidisciplinary research program spanning the basic and clinical sciences in oral-facial sensations, with emphasis on pain mechanisms and the development of new methods of pain control.

This is a Federal Civil Service position at the GS-15 level, salary range $71,664 to $93,166 per annum, including Washington, D.C. locality pay). The individual selected may be considered for: (1) Physicians Comparability Allowance up to $20,000 per year; (2) physician special pay under Title 38: (a) recruitment bonus of up to 25% of base pay, subject to individual approval; or (b) a relocation bonus of up to 25% of base pay, subject to individual approval. A one-year probationary period must be served by the individual selected if not currently in the Federal service. Alternatively, appointment in the PHS Commissioned Corps may be considered.

The individual selected also may be considered for appointment in the Senior Biomedical Research Service (SBRS). Salary range for SBRS is $71,664 to $148,400 per annum, and may include ability to transfer current retirement system (if portable) into NIH employment.

U.S. citizenship is required for appointment to the Federal Civil Service or the PHS Commissioned Corps. U.S. citizens and citizens of countries allied to the U.S. are eligible for appointment to the SBRS. Other employment options may also apply to foreign nationals.

Applicants should have a D.D.S., M.D., or a Ph.D. in a science related to health, dentistry or medicine, (or possess equivalent combination of experience and training); research accomplishments in an area of relevance to the position, and demonstrated leadership qualities.

Applicants may apply by submitting a curriculum vitae and bibliography, a resume, Optional Application for Federal Employment, OF-612 (available in any Federal Personnel Office), or an application in any other written format. Applicants are encouraged to address the knowledge, skills and abilities required for this position.

Further information about the position and qualifications requirements, including the knowledge, skills and abilities required, may be obtained from:

**MS. FAYE M. HARBRANT, PERSONNEL MANAGEMENT SPECIALIST**
**NATIONAL INSTITUTE OF DENTAL RESEARCH**
**NATIONAL INSTITUTES OF HEALTH**
**31 CENTER DRIVE, MSC 2290, BUILDING 31, ROOM 2C-23**
**BETHESDA, MARYLAND 20892-2290; (301) 496-6871**

Application materials must be postmarked and sent to Ms. Harbrant by the closing date of February 26, 1996.

NIH is an Equal Opportunity Employer
POSITIONS OPEN
CENTRE COLLEGE
Developmental Cell Biologist

ASSISTANT PROFESSOR, tenure-track, Ph.D. re-
quired. Strong background in light and electron micro-
copy and immunofluorescence. Teaching responsibilities include introductory biology, introd-
cutory cell and molecular biology, cell ultrastruc-
ture and physiology, developmental biology, microscopy and microscopy related labo-
ratory courses and associated laboratory courses and sem-
nars. Collaborative research with undergraduates is ex-
pected. Strong commitment to liberal arts and under-
graduate education; excellent written and oral com-
nunications. Salary dependent on position, plus de-
nedicated time. Send current vita, transcripts, and a letter of recom-
mendation to: Dean John C. Ward, Centre Col-
lege, 601 South breakpointe, Danville, KY 40422.
394. Review of applications will begin February 5, 1996. (express intent to apply via Email: Rich@Centre.edu or fax: Professor Peggy Rich@, 606-236-7925). Centre College is an Equal Opportunity Employer. Applications from women and minority groups are encouraged.

ENVIRONMENTAL SCIENTIST: Pending final
budget approval, Drake University seeks a teacher/scholar to de-
velop and direct an undergraduate Environmental Science and Policy program that will provide an innova-
tive ecological perspective within a liberal arts setting. This is a TENURE-TRACK POSITION with rank and salary dependent on experience and qualifications. Can-
didates should have a Ph.D. or equivalent degree, and receive, a record of teaching excellence, an active research agenda, and a strong commitment to undergraduate re-
search. Teaching load is 21/2 courses per year, with an in-
dependent orientation that permits developing new courses, courses, and internships appropriate to envi-
nronmental concerns. Familiarity with spatial information technology and GIS is desirable. The position has a five-
year renewable contract and includes a terminal laboratory course and a field course. Send current vita, evidence of teaching effec-
tiveness, research goals, relevant reprints, and the names, addresses, and telephone numbers of three references to: Chair, Search Committee, Department of Geography, Drake University, Des Moines, IA 50311. Review will begin February 1, 1996. Drake University is an Equal Opportunity Employer.

North Carolina State University invites applications for a TENURE-TRACK position at the ASSISTANT PROFESSOR level. Candidates should have a Ph.D. in plant breeding, genetics, molecular biology or related area, with postdoctoral experience in gene cloning, plant transformation and related technologies. The successful candidate will initiate a program for germplasm improve-
ment of winter and summer cover crops. Candidates are expected to be involved in teaching both graduate and undergraduate courses, and to publish in the area of cereal breeding. Interested individuals should contact: Dr. David A. Knauf, Head, Crop Science Department, North Carolina State University, Box 7620, Raleigh, NC 27695-7620. North Carolina State University is an Equal Opportunity Employer and operates under Affirmative Action policy. The university awaits all qualified applicants to apply.

The Swiss Federal Institute of Technology in Zurich (ETHZ) invites applications for a CHAIR IN CELL BIOLOGY. The Department of Biology at ETHZ has defined structural characterization and processing of bioinformation and molecular biology of organisms as the three main research directions for the next decades. We seek, therefore, an outstanding candidate with an estab-
lished research group in cell biology or molecular biology of higher organisms. The main emphasis should be on cell differentiation and cell-cell interactions with research focus on new development. This major focus is molecular physiology. Support is provided through excellent research facilities including high-tech micrscopy and through the ongoing research on struc-
tural and functional aspects of the cellular organization.
The successful candidate is expected to participate in the teaching program in cell biology at all levels. Please apply with curriculum vitae, teaching statement, and a list of publications to: The President of ETHZ, Prof. Dr. J. Nitsch, ETH Zen-
trum, CH-8092 Zurich, no later than March 31, 1996. Applications from female scientists and recent graduates are especially invited.

POSITIONS OPEN

The Institute of Systematic Botany of The New York Botanical Garden is pleased to announce an opening for a position of ASSISTANT CURATOR. Qualifications are: 1) a Ph.D. in Botany, 2) demonstrated research interests (monographic and/or floristic) in the flowering plants of the New World as evidenced by publication in peer-reviewed journals or completion of an outstanding Ph.D. dissertation, 3) the interest and ability to utilize large herbarium and library collections, 4) the ability to develop and continue an active field pro-
gram, 5) a willingness to participate, such as scientific publication and teaching, and 6) a will-
ingness to seek external sources of funding. Interested applicants should send their curriculum vitae, statement of research interests, reprints, and the names of five col-
cleagues willing to provide letters of recommendation to: Personnel Coordinator, The New York Botanical Garden, 200th Street and Southern Boulevard, Bronx, NY 10458-5126. Application deadline: 28 Feb-

PROTEIN CRYSTALLOGRAPHER
University of Georgia

A tenure-track ASSISTANT PROFESSORSHIP is
available in Structural Biology in the Departments of Biochemistry and Molecular Biology. Applicants should have a Ph.D. or equivalent degree and at least two years of postdoctoral research experience. The successful candi-
date is expected to establish a research program in collaboration with a faculty member in the Department of Plant Science. Salary is dependent on position and includes a terminal laboratory course and a field course. Send current vita, evidence of teaching effec-
tiveness, research goals, relevant reprints, and the names, addresses, and telephone numbers of three references to: Chair, Search Committee, Department of Geography, Drake University, Des Moines, IA 50311. Review will begin February 1, 1996. Drake University is an Equal Opportunity Employer.

North Carolina State University (NCSU) has a position available for DIRECTOR of the NCSU NMR Facility, operated by the Departments of Chemistry and Biochem-
istry. Responsibilities include supervision of research-level NMR spectroscopists and an electronics technician, over-
sight of five high field/high resolution spectrometers and two solid state spectrometers, UNIX data system administra-
tion, general administrative oversight of the Facility, and design and implementation of new research/machine im-
provement instrumentation. Participation in collaborative research is expected. Minimum qualifications are a Ph.D. degree with NMR specialization and four years of experi-
ence at an NMR facility. Send curriculum vitae, and a statement of research interests and goals, three to five letters of reference to: Dr. E. O. Stejskal, Chair, NMR Search Commit-
tee, Department of Chemistry, Box 8204, North Carolina State University, Raleigh, NC 27695-8204.
Women and minorities are encouraged to apply. NCSU is an Equal Opportunity/Affirmative Action Employer. See: http://www2.
csu.edu/nccs/chemistry/chem.html on the WEB.

ASSISTANT PROFESSOR: Twelve month tenure-
track, 55 percent research and 45 percent extension, de-
velopment of insect and disease programs and experimen-
tals, and assisting with research administration. The Ohio State University/Ohio Agricultural Research and Development Center (OARDC), Wooster, Ohio. Available July 1, 1996. A Ph.D. in Entomology or related field is required. Postdoctoral or equivalent experience in pest management is desirable. The research program can be in any area related to biology and/or management of pests that attack ornamental plants, such as ornamental trees. The Extension program will assist the commercial nursery, Christmas tree and urban arboriculture indus-
tries. To apply, send curriculum vitae, undergraduate and graduate degrees, three to five letters of reference (with names, addresses, and phone numbers of five referen-
ces), cover letter with professional interests and goals, names, addresses, and telephone numbers of five references, evidence of publication and extension experience, and copies of all applications to: Dr. David W. Koons, Chair, The Ohio State University, Agriculture Research and Development Center, Wooster, OH 44691. Applications will be processed beginning 15 March 1996. The Ohio State University is an Equal Opportu-
nity/Affirmative Action Employer.
Grants are now available to support research efforts that will focus on the cerebellar neurodegeneration seen in all patients with Ataxia-Telangiectasia (A-T). Projects awarded funds will concentrate on the neuropathology of A-T concurrently with other scientists who are cataloging genetic mutations in patients, studying ATM gene homologs in yeast and Drosophila model systems, making knock-out mice, raising antibodies against the ATM protein, trying to capture the ATM complex using immunoaffinity and two-hybrid screens and looking at the protein's involvement in cell cycle regulation and radiation response.

In spite of its pleiotropic nature, A-T is primarily a neurodegenerative disease. While the other manifestations of the disease can be understood in terms of the putative ATM function, the cerebellar problem is still a great enigma. Why the cerebellum? Why the Purkinje cells? A major objective of new grant awards therefore will be to investigate the role of the ATM protein in the development and maintenance of the cerebellum. Competitive awards will be given to academic, government, and corporate researchers for one- and two-year projects to be funded up to a maximum total direct cost of $100,000 per year. No administrative overhead or fixed costs are supported. Quarterly grant awards are made using a thorough peer-review selection process. Scientific excellence and direct relevance to A-T are the paramount criteria in award decisions. The next deadline for submission of proposals is March 1, 1996, with decisions by May 1, 1996 and grant periods starting by May 15, 1996. For grant proposal guidelines, interested researchers should contact the A-T Children's Project or visit our internet world-wide-web home page.

Suite 104
398 W. Camino Gardens Blvd.
Boca Raton, Florida 33432 USA

Phone: 407-395-2621 Fax: 407-395-2640
e-mail: bradmargus@delphi.com
Web Home Page: http://www.med.jhu.edu/ataxia/

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**PENN UNIVERSITY OF PENNSYLVANIA**

**Senior Faculty Position in Developmental Biology**

The Department of Cell and Developmental Biology at the University of Pennsylvania School of Medicine has embarked on a major expansion in the analysis of vertebrate and invertebrate development. At this time, we are particularly interested in recruiting a senior investigator who uses experimental approaches to study problems such as morphogenesis, pattern formation, differentiation and determination in the early embryo. Highly qualified individuals in related areas are also encouraged to apply. The position will be filled at the rank of associate or full professor.

We expect to begin interviewing candidates by March 1, 1996. Send curriculum vitae and research description to:

Search Committee, c/o Charles P. Emerson, Jr. Chair, Department of Cell and Developmental Biology University of Pennsylvania Philadelphia, PA 19104-6058

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**SmithKline Beecham Pharmaceuticals**

**Challenging the natural limits.**
GROSS ANATOMIST: Highly motivated person to help develop multi-disciplinary programs in gross anatomy and neuroanatomy for students in professional Physician Assistant BS, Occupational Therapy BS and Physical Therapy MS programs. Design innovative curricula to foster team approaches to health care delivery and enhance student research and training activities are modest, and limited to the graduate and postdoctoral level. Training and teaching experiences are with human, veterinary and animal models. Responsibilities include delivery of lower division and advanced graduate level curricula in human anatomy and physiology, teaching and research, and program development. There are numerous opportunities for faculty collaboration. Individuals with a doctoral degree, relevant experience, and original ideas on animal modeling and molecular genetics are encouraged to apply. It is anticipated that the full-time position will begin on or before September 1, 1996. Interested individuals should send a curriculum vitae and names of four references by April 1, 1996 to: Dr. G. L. Van Houweling, Search Committee Chair, University of Washington, Box 587190, Seattle, WA 98195. The University of Washington is an Equal Opportunity/Affirmative Action Employer.

Biology: ASSISTANT PROFESSOR. Tenure track, Ph.D. required. Broadly-trained Cell Biologist with expertise in areas such as organole structure and dynamics, muscle contraction, or cell-surface biology and other eukaryotic structure/function relationships. Expectations: strong commitment to undergraduate and at the graduate programs, teaching undergraduate and graduate courses in cell biology and related areas; serve as mentor for undergraduate and research and Master’s theses; seek extramural funding. Appalachian State University, a member of the University of North Carolina (UNC) System, has an enrollment of more than 25,000 students, located in the top four in SAT scores, retention, and graduation rates. The Biology Department has 9 faculty, 50 majors, and 35 graduate students. Send letter of application, curriculum vitae, description of research interests, names, addresses, and telephone numbers of three references to: Dr. Douglas Meikle, Chair, Department of Biology, Appalachian State University, 572 River Street, Boone, NC 28608. Telephone: 704-262-3025. Completed applications due by February 16, 1996. Appalachian State University is an Equal Opportunity Employer.

TENURE-TRACK FACULTY POSITION

The Department of Biochemistry and Biophysics, University of California, Berkeley, has an ASSISTANT PROFESSOR position. Individuals working in modern biophysics, including cell biology, development, and structural biology, or related disciplines are encouraged to apply. Candidates should hold a Ph.D. or M.D. degree, and will be expected to establish a dynamic research program and be a team player in a collaborative environment. By March 1, 1996, submit a curriculum vitae, summary of research accomplishments, description of future research plans, major publications, and three to five letters of recommendation to: Search Committee, Biochemistry and Biophysics, University of California, San Francisco, CA 94143-0448. Women and minorities are encouraged to apply. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR

The Department of Physiology and Cell Biology is recruiting a tenure-track FACULTY MEMBER. Candidates should have research experience in either Physiological or Cellular Biology and be able to establish an independent, extramurally-funded research program related to either cardiovascular disease, microvascular physiology, pulmonary pathobiology, in vitro or in vivo model systems. Applications from candidates at the Assistant Professor level are encouraged. Applications will begin to be reviewed on February 15, 1998. University of Wisconsin-Madison is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL ASSOCIATE

A POSTDOCTORAL position is available to study the posttranscriptional regulation of early development in Xenopus and mouse embryos via homology to cytoplasmic mRNA processing and translational control. Useful references include: Gebeau et al., EMBO J. 13, 5712-5720 (1994); Baker and Richter, EMBO J. 15, 6631-6637 (1996); Wold et al., Current Experiments in Cell and Molecular Biology, Cold Spring Harbor Laboratory Press. Interested persons should send a complete curriculum vitae, including the names and addresses of three persons who may act as references to: Dr. Joel D. Richter, c/o Human Resources, Worcester Foundation for Biomedical Research, 222 Maple Avenue, Shrewsbury, MA 01545, USA.

MACROMOLECULAR STRUCTURAL BIOLOGIST

THE OHIO STATE UNIVERSITY

The Ohio State University is seeking one or possibly TWO FACULTY in the area of Macromolecular Structural Biology, as part of the multi-year interdisciplinary Molecular Life Sciences Initiative. Scientists with strong research experience in X-ray crystallography, mass spectrometry or NMR spectroscopy are a high priority. Department of Biochemistry and Molecular Biology offers an excellent research and teaching environment. Application materials and three letters of recommendation should be sent to: Dr. Charles L. Brooks, Ph.D., 1925 Coffey Road, Columbus, OH 43210. Application materials will begin to be reviewed on February 15, 1998. The Ohio State University is an Affirmative Action/Equal Opportunity Employer. Women, minorities, Vietnam-era veterans, disabled veterans, and individuals with disabilities are encouraged to apply.
RESEARCH MYCOLOGIST
Natural Products Section

At Wyeth-Ayerst Research, a major division of Fortuna 150 American Home Products Corporation, we're meeting the challenges of a new decade and the next century by building upon our strengths and creating an environment that fosters a more dynamic Research and Development organization. As a leader in the research and development of therapeutic compounds, our drugs have been instrumental in the areas of infectious, cardiovascular, central nervous system, and metabolic diseases, cancer and women's health. Currently, we're seeking a Mycologist to join us in Pearl River, NY.

The successful candidate will conduct research to isolate unusual fungi from diverse environmental niches and to characterize conditions for their growth and production of secondary metabolites. The goal of this program is the discovery of novel, bioactive natural products for medical and agricultural applications. Candidates should have a Ph.D. degree in Microbiology or a related discipline with at least 5-7 years of postdoctoral experience. Specific background in the application of fungi for the production of useful metabolites, enzymes, etc. and in fungal genetics is desirable.

This position emphasizes strong interactions with a staff of highly experienced research scientists and presents a valuable opportunity to acquire a broad background in a multidisciplinary pharmaceutical discovery environment.

Wyeth-Ayerst offers an excellent compensation and benefits package in a highly professional environment. Please send your resume with salary requirements to: Wyeth-Ayerst Research, Human Resources Dept., Position #PS-1678, P.O. Box 7886, Philadelphia, PA 19101-7886, or fax your resume (in line mode if possible) directly into our centralized Research resume database at (610) 989-4854. Principals Only. Equal Opportunity Employer. M/F/D/V.

NIH is an Equal Opportunity Employer

ASSISTANT PROFESSOR OF GENETICS

Applications are invited for a tenure-track position in the Department of Genetics with primary research and teaching interests in the molecular genetics of eukaryotes. Those with research interests in fungal genetics or molecular genetic approaches to cellular and developmental biology are especially encouraged to apply. The candidate will be expected to develop a strong creative research program and have a commitment to teaching at the undergraduate and graduate levels. The appointment could begin as early as September 1, 1996. Apply before March 1, 1996 by sending a curriculum vitae, list of publications, brief statement of research interests and three letters of reference solicited by the applicant to:

Search Committee
Department of Genetics
Life Sciences Building
University of Georgia
Athens, GA 30602-7223

The University of Georgia is an Equal Opportunity/Affirmative Action Employer

Roche TOXICOLOGIST

Hoffmann-La Roche, a leader in the pharmaceutical and health care industries, is looking for an experienced toxicologist to join the Department of Toxicology and Pathology in Nutley, New Jersey.

The successful candidate will represent the Department on International Project Teams using toxicological knowledge and skills to strategically design and coordinate the preclinical safety programs for drugs in development. Additional responsibilities will include the design and interpretation of toxicity studies and preparation of contributions to internal and regulatory documents.

To qualify, you must have a Ph.D. or a veterinary degree and a minimum of five years pharmaceutical and drug development experience. Strong oral/written communication, interpersonal and team skills are required, supported by the ability to effective plan and manage multiple scientific projects and to make sound scientific decisions. PC/computer knowledge is desirable.

We offer a competitive salary and benefits package as well as the opportunity to make an impact in an important industry. For consideration, please send your curriculum vitae and salary history to: Ms. Stella Strapazas, Hoffmann-La Roche Inc., Department SS526RT, Nutley New Jersey 07110-1199. Principals only. NO PHONE CALLS PLEASE. We are an equal opportunity employer.

Roche Hoffmann-La Roche
A Member of the Roche Group
FACULTY OPENING NEURAL BASIS OF MEMORY AND LEARNING

The Department of Neuroscience at the University of Pittsburgh, together with the Center for the Neural Basis of Cognition at Carnegie Mellon University, seeks a FACULTY MEMBER with research interests in the neural basis of memory and learning. Appointment can be at any level.

Candidates should send an application to: Dr. German Barrionuevo, Department of Neuroscience, University of Pittsburgh, 446 Crawford Hall, Pittsburgh, PA 15260. This includes a curriculum vitae, copies of representative publications, three letters of reference, and a statement of interest describing the candidate's work. The University of Pittsburgh is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION KIDNEY BIOLOGY AND PATHOBIOLOGY

Case Western Reserve University

Applications are invited for positions funded by NIH Institutional Training Grant, beginning in July 1996. TRAINING FACULTY will use both cell and molecular biological techniques to understand normal kidney function and mechanisms of disease. Faculty research interests include mechanisms of inflammatory tissue injury and repair in the kidney, protein trafficking, kidney development, mucosal immunity and gene transfer techniques. Experience in molecular biology, cell biology or biochemistry is desirable. Must have basic knowledge of protein expression and cloning, and letters of recommendation. Search is open and applications are encouraged. Interested candidates should submit a curriculum vitae, and letters of recommendation to: Dr. John R. Sedor, Chief, Division of Nephrology, MetroHealth Medical Center, Rambelcamp Center for Research, 2500 MetroHealth Place, Cleveland, OH 44109-1998.

POSTDOCTORAL POSITION in molecular hema-

toiology available immediately to candidates with an M.D. or a Ph.D. degree. Priority will be given to those with prior basic research experience particularly in the fields of molecular and cellular biology or virology. This position is intended to support a group working in the area of the gene therapy of blood diseases. Please send a letter of application with your curriculum vitae and the names and addresses of three references to: Dr. George F. Atweh, Division of Hematology, Box 1079, Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029-6574. FAX: 212-369-8375; Email: gatweh@smtplink.mssm.edu.

POSTDOCTORAL POSITION available immedi-

ately for NSF-funded research in the design of cell/poly-

mer composites for mesenchymal tissue engineering in orthopaedic applications. The successful candidate will have a Ph.D. in Cell/Molecular Biology or Polymer Science. Send curriculum vitae with bibliography, a statement of research interests and telephone numbers to: 3 references to: Cato T. Laurencin, M.D., Ph.D., Department of Orthopaedic Surgery, Medical College of Pennsylvania Hospital, 3300 Henry Avenue, Phila-

delphia, PA 19104-3299. FAX: 215-848-1355. Equal Oppor-

tunity Employer.

POSTDOCTORAL POSITION available immedi-

ately for an NIH-funded study of genes suppressing radi-

tion sensitivity in mammalian cells. Investigation will include the effects of suppression and apoptosis and cell cycle checkpoint formation. This position is best suited to a recent graduate with basic experience in molecular bio-

technical methods and/or somatic cell genetics. Please submit curriculum vitae and the names and addresses of three references to: Dr. Mark Meuth, Eccles Institute of Human Genetics, Building 535, Room 5110, University of Utah, Salt Lake City, UT 84112.

A POSTDOCTORAL RESEARCH ASSOCIATE POSITION is available to study mechanisms of chemi-

cally induced diabetes, thymidine S-transferase and cytochrome P450 gene expression in extraparous tissues. Applicants should have experience in molecular biology. A curriculum vitae and three reference letters should be sent to: Dr. Raymond F. Novak, Director, Institute of Chemical Toxicology, 2727 Second Avenue, Room 4000, Detroit, MI 48201. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to study molecular biology of bovine herpesvirus types 1 and 2. Qualified individuals should pos-

sess a Ph.D. Experience in virus genetics, virology, cellular immunology and molecular biology is preferred. Send curriculum vitae, research interests, background and the names and telephone numbers of three references to: Shafique I. Chowdhury, Room VMS 342, College of Veterinary Medicine, Kansas State University, Manhattan, KS 66506. Telephone: 913-532-4616; FAX: 913-532-4039; Email: Chowdhry@vet.ksu.edu.

FACULTY OPENING BIOLOGY AND NEUROSCIENCE

The Department of Neuroscience at the University of Pittsburgh, together with the Center for the Neural Basis of Cognition at Carnegie Mellon University, seeks a FACULTY MEMBER with research interests in the neural basis of memory and learning. Appointment can be at any level.

Candidates should send an application to: Dr. German Barrionuevo, Department of Neuroscience, University of Pittsburgh, 446 Crawford Hall, Pittsburgh, PA 15260. This includes a curriculum vitae, copies of representative publications, three letters of reference, and a statement of interest describing the candidate's work. The University of Pittsburgh is an Equal Employment Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION KIDNEY BIOLOGY AND PATHOBIOLOGY

Case Western Reserve University

Applications are invited for positions funded by NIH Institutional Training Grant, beginning in July 1996. TRAINING FACULTY will use both cell and molecular biological techniques to understand normal kidney function and mechanisms of disease. Faculty research interests include mechanisms of inflammatory tissue injury and repair in the kidney, protein trafficking, kidney development, mucosal immunity and gene transfer techniques. Experience in molecular biology, cell biology or biochemistry is desirable. Must have basic knowledge of protein expression and cloning, and letters of recommendation. Search is open and applications are encouraged. Interested candidates should submit a curriculum vitae, and letters of recommendation to: Dr. John R. Sedor, Chief, Division of Nephrology, MetroHealth Medical Center, Rambelcamp Center for Research, 2500 MetroHealth Place, Cleveland, OH 44109-1998.

POSTDOCTORAL POSITION in molecular hema-

toiology available immediately to candidates with an M.D. or a Ph.D. degree. Priority will be given to those with prior basic research experience particularly in the fields of molecular and cellular biology or virology. This position is intended to support a group working in the area of the gene therapy of blood diseases. Please send a letter of application with your curriculum vitae and the names and addresses of three references to: Dr. George F. Atweh, Division of Hematology, Box 1079, Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, NY 10029-6574. FAX: 212-369-8375; Email: gatweh@smtplink.mssm.edu.

POSTDOCTORAL POSITION available immedi-

ately for NSF-funded research in the design of cell/poly-

mer composites for mesenchymal tissue engineering in orthopaedic applications. The successful candidate will have a Ph.D. in Cell/Molecular Biology or Polymer Science. Send curriculum vitae with bibliography, a statement of research interests and telephone numbers to: 3 references to: Cato T. Laurencin, M.D., Ph.D., Department of Orthopaedic Surgery, Medical College of Pennsylvania Hospital, 3300 Henry Avenue, Philadelphia, PA 19104-3299. FAX: 215-848-1355. Equal Opportunity Employer.

POSTDOCTORAL POSITION available immedi-

ately for an NIH-funded study of genes suppressing radi-

tion sensitivity in mammalian cells. Investigation will include the effects of suppression and apoptosis and cell cycle checkpoint formation. This position is best suited to a recent graduate with basic experience in molecular bio-

technical methods and/or somatic cell genetics. Please submit curriculum vitae and the names and addresses of three references to: Dr. Mark Meuth, Eccles Institute of Human Genetics, Building 535, Room 5110, University of Utah, Salt Lake City, UT 84112.

A POSTDOCTORAL RESEARCH ASSOCIATE POSITION is available to study mechanisms of chemi-

cally induced diabetes, thymidine S-transferase and cytochrome P450 gene expression in extraparous tissues. Applicants should have experience in molecular biology. A curriculum vitae and three reference letters should be sent to: Dr. Raymond F. Novak, Director, Institute of Chemical Toxicology, 2727 Second Avenue, Room 4000, Detroit, MI 48201. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available to study molecular biology of bovine herpesvirus types 1 and 2. Qualified individuals should pos-

sess a Ph.D. Experience in virus genetics, virology, cellular immunology and molecular biology is preferred. Send curriculum vitae, research interests, background and the names and telephone numbers of three references to: Shafique I. Chowdhury, Room VMS 342, College of Veterinary Medicine, Kansas State University, Manhattan, KS 66506. Telephone: 913-532-4616; FAX: 913-532-4039; Email: Chowdhry@vet.ksu.edu.
Sandia National Laboratories
Post-Doctoral Positions In Computational Chemistry

Sandia National Laboratories in Livermore, California has an ongoing program in computational chemistry which has immediate openings for post-doctoral researchers. Areas of research include the modeling of organic polymers, proteins, DNA, and small molecules, using a variety of computational methods such as molecular mechanics, molecular dynamics, and ab initio quantum chemistry. We have a mix of methods and software development and applications work. Successful candidates shall have a Ph.D. in chemistry, biophysics, or a related field, and proven experience in software development or application of computational chemistry methodologies. Experience in one of the following modeling areas would be of particular interest: polymers (mechanical and chemical properties), proteins (including antibody modeling), DNA dynamics and reactivity, small molecule/macromolecule interactions, florescence properties of dye molecules, The research group has extensive computing resources including a high-end graphics workstation, distributed networks of high-end workstations containing up to 50 nodes, SMMFP workstations, and a 2-node Intel Paragon. The group also has access to a massively parallel Intel Paragon and SU/CUBE machines, and a teraflop MPP that is scheduled to be delivered in late 1996. We feel that this position will provide especially exciting prospects for candidates with a strong background in computational methods who are interested in problems of interest to experimentalists. Salary and fringe benefits are extremely competitive. Candidates should send a CV (with names of references), reprints and uncertified copies of college transcripts to:

Dr. Richard Judson
Sandia National Laboratories
Attn: Anna Isham, Personnel, MS 9111
HR Department 8522 - CA0006
P.O. Box 969
Livermore, CA 94550

Deadline is March 1, 1996
U.S. Citizenship is required
Equal Opportunity Employer M/F/V/H

UNIVERSITY OF MINNESOTA
POSTDOCTORAL/RESEARCH ASSOCIATES.
(A variety of annually renewable, non-tenure-track appointments at the rank of Postdoctoral/Research Associate between 75-100% time.) Ph.D. / foreign equivalent in hand by appointment. Candidates with previous postdoctoral experience and background in biochemistry, microbiology, molecular biology, pharmacology, immunology, or virology preferred. Research Associates require 1-2 years of postdoctoral experience; 3-5 years of postdoctoral experience preferred. Duties include conducting experiments on current research in department and participating in design, implementation, and evaluation of research; designing, organizing and implementing project database; analyzing data; collaborating on reports and published findings. Salary based on experience and qualifications. Deadline: 6/30/96 for positions starting continually but not after 8/30/96. Send curriculum vitae, letter of application and names and addresses of three references to: J. Hildebrand, Veterinary Pathobiology, University of Minnesota, 1988 Fitch Avenue, Room 295J, St. Paul, MN 55108. The University of Minnesota is an Equal Opportunity Educator and Employer.

ASSISTANT PROFESSOR IN IMMUNOLOGY: Faculty positions in Immunology are available at the University of Rochester School of Medicine. The Clinical Immunology/Rheumatology Unit invites applications for tenure-track positions at the Assistant Professor level from qualified individuals with a basic research interest in the areas of tolerance/autoimmunity, germinal center biology, somatic mutation, repertoire development, apoptosis or Immunology of HIV. Candidates should possess a Ph.D., M.D., or M.D./Ph.D. degree or equivalent degree as well as a productive postdoctoral experience in related areas. The selected candidates will be expected to develop an independent, externally funded research program of the highest quality. Secondary appointments in Basic Science Departments are available. Qualified candidates should submit a curriculum vitae, names of 3 references, and a brief statement of research interests to: Iiaki Sanz, MD, Unit Chief, Clinical Immunology/Rheumatology Unit, Univ. of Rochester Medical Center, 601 Elmwood Ave., Box 695, Rochester, NY, 14642. Phone: 716-275-2891/Fax: 716-275-1070.

ASSISTANT PROFESSOR IN GENE THERAPY: Faculty positions in Gene Therapy are available at the University of Rochester School of Medicine. The Clinical Immunology/Rheumatology Unit invites applications for a tenure-track position at the Assistant Professor-level from qualified individuals with a basic research interest in the field of gene therapy, particularly as it applies to immune regulation, inflammation and/or the biology of the synovial membrane and cartilage. Candidates should possess a Ph.D., M.D. or M.D./Ph.D. degree or equivalent degree as well as productive postdoctoral training in gene therapy or related areas. The selected candidate will be able to interact with a growing number of researchers working in the field of gene therapy. Secondary appointments in Basic Science Departments are available. Qualified candidates should submit a curriculum vitae, names of 3 references, and a brief statement of research interests to: Iiaki Sanz, MD, Clinical Immunology/Rheumatology Unit, Univ. of Rochester Medical Center, 601 Elmwood Ave., Box 695, Rochester, NY, 14642. Phone: 716-275-2891/Fax: 716-275-1070.

POSTDOCTORAL POSITIONS IN IMMUNOLOGY available immediately at the University of Rochester School of Medicine. Opportunities available to qualified candidates with a Ph.D., M.D., or equivalent degree and a research interest in the areas of tolerance/autoimmunity, molecular genetics of autoantibodies, somatic mutation of immunoglobulin genes, germinal center biophysics and VDJ recombination. Interested individuals should submit a CV, names of three references and a brief statement of research interest to: Iiaki Sanz, MD, Clinical Immunology/Rheumatology Unit, Univ. of Rochester Medical Center, 601 Elmwood Ave., Box 695, Rochester, NY, 14642. Phone: 716-275-2891/Fax: 716-275-1070.

SANDOZ CHAIR IN NEUROSCIENCE
THE OHIO STATE UNIVERSITY MEDICAL CENTER

The Department of Neurology announces a search for a senior investigator to assume the Sandoz Chair in the College of Medicine. We seek a highly qualified investigator (M.D. or Ph.D.) working in the area of degenerative or immune-mediated brain disorders and/or movement disorders who will serve as an interface between basic and clinical neuroscience groups. Strong skills in molecular neuroscience are desirable. This position is a fully endowed Chair, the successful candidate can expect to receive substantial space and a generous start-up package.

Neuroscience has been designated as a Center for Excellence in the Medical Center Strategic Plan. Already in place are well funded programs in CNS neoplasia, neurotrauma and spinal cord repair, neuroimmunology, developmental neurobiology, autonomic and enteric neurobiology, and molecular neurobiology. An interdisciplinary Ph.D. Program in Neuroscience, and a Medical Scientist Program (M.D./Ph.D.) provide campus-wide support for graduate education in neurobiology. The Ohio State University is a comprehensive research university with all of the health sciences colleges located on the same campus with the College of Biological Sciences, Mathematical and Physical Sciences, and a unique Neurobiotechnology Center. Opportunities for collaboration and interaction are extensive and diverse. The City of Columbus is the state capital and a major economic center which provides diverse cultural and recreational opportunities to a metropolitan region exceeding 1.4 million people. Nominations are welcomed; applications should include a curriculum vitae, statement of research experience and interests and the names of three references, and should be sent to:

Jerry R. Mendell, M.D.
Department of Neurology
The Ohio State University
1764 Upham Drive
Columbus, Ohio 43210
Telephone: 614-293-4962; Fax: 614-293-4688
The Ohio State University is an equal opportunity employer.
**POSTDOCTORAL POSITION**

**GNECOLOGICAL ONCOLOGY**

Position available immediately to investigate molecular oncogenesis of human ovarian surface epithelium. Current research is directed toward understanding genetic alterations in ovarian carcinomas, especially using polymerase chain reaction (PCR) and in situ hybridization techniques and in vitro electrophysics and clinical pharmacology techniques and single unit recordings from afferent/efferent nerve fibers, histologic preparation and examination of brain tissue and upper tract, and animal model analysis. The successful candidate will work on molecular biology and genetics, pancreatic proliferation and its regulation in a slice preparation of the spinal cord. Conventional intracellular and whole-cell patch-clamp recordings with infrared video-microscopy will be employed. Thus, a strong background in molecular biology and in vitro slice techniques of the nervous system is desirable. Please contact the Neuroscience Group or the Cell Biology Group and send curriculum vitae and three qualified references.

**POSTDOCTORAL POSITION**

Available immediately. The successful candidate will be working on molecular and cellular biology as well as the generation of transgenic mice. Experience in recombinant DNA technology is strongly preferred. A Ph.D. degree or equivalent training is required. Experience in in vitro and in vivo assays, and a strong background in molecular biology and cell biology is required. Experience in protein purification desirable. Send curriculum vitae and three references to: Dr. Richard L. Weinberg, Department of Biomedical Sciences, 7777 Sunset Blvd., Los Angeles, CA 90046. FAX: 805-476-7080.

**POSTDOCTORAL POSITION**

Available immediately. The successful candidate will be working on molecular biology and genetics, pancreatic proliferation and its regulation in a slice preparation of the spinal cord. Conventional intracellular and whole-cell patch-clamp recordings with infrared video-microscopy will be employed. Thus, a strong background in molecular biology and in vitro slice techniques of the nervous system is desirable. Please contact the Neuroscience Group or the Cell Biology Group and send curriculum vitae and three qualified references.

**RESEARCH SCIENTIST**

The Research Department of the Genitourinary Institute of America is seeking a RESEARCH SCIENTIST to fulfill a vital role as a part of a research team involved with the acquisition of scientific data on genital materials. The candidate must have: 1) A Ph.D. in materials science, geology or chemistry at time of appointment; 2) A strong background in geology and geochronology; 3) A strong background in materials science and a knowledge of geology and geochronology. Send curriculum vitae, address, and three references to: Dr. D. L. Hendrix, Department of Pathology, University of California, San Francisco, 1801 Divisadero Street, San Francisco, CA 94143.

**POSTDOCTORAL POSITION**

Available immediately. The successful candidate will be working on molecular biology and genetics, pancreatic proliferation and its regulation in a slice preparation of the spinal cord. Conventional intracellular and whole-cell patch-clamp recordings with infrared video-microscopy will be employed. Thus, a strong background in molecular biology and in vitro slice techniques of the nervous system is desirable. Please contact the Neuroscience Group or the Cell Biology Group and send curriculum vitae and three qualified references.
DEPARTMENT OF PHYSIOLOGY & BIOPHYSICS
UNIVERSITY OF CALIFORNIA, IRVINE

POSTDOCTORAL & PROFESSIONAL RESEARCHER FELLOWSHIPS

Several positions for research in individual laboratories in the Department are available for candidates who have demonstrated research promise at the postdoctoral and professional researcher series level. The emphasis of research in the Department is the synergistic fields of molecular biophysics and cell signaling. The faculty of the Department and their research interests are:

- Dr. Nancy Allbritton: Signal transduction by second messengers and protein kinases.
- Dr. Kenneth Baldwin: Developmental, hormonal, and exercise factors regulating striated muscle gene expression.
- Dr. Michael D. Cahalan: Ion channels and Ca^{2+} signaling in the immune system.
- Dr. Vincent J. Calozzo: Cellular and molecular mechanisms regulating the mechanical properties of skeletal muscle.
- Dr. K. George Chandy: Molecular biology of ion channels and their role in immune cells.
- Dr. J. Jay Gargus: Molecular analysis of membrane signaling proteins.
- Dr. Alan L. Goldin: Molecular biology of neural channels and receptors.
- Dr. George A. Gutman: Molecular and evolutionary studies of immunoglobulin and ion channel genes.
- Dr. Harry T. Haigler: Molecular and cellular mechanisms by which polypeptide hormones control cell replication.
- Dr. James E. Hall: Gap junctions, ion channels and water transport proteins.
- Dr. Kenneth J. Longmuir: Transport and energy coupling in the membrane of Halobacterium salinarium.
- Dr. Thomas L. Poulos: Protein crystallography; protein engineering; heme enzyme structure and function.
- Dr. Hamid Said: Cellular and molecular mechanisms and regulation of intestinal vitamin transporters.
- Dr. Ivan Soltesz: Plasticity and modulation of inhibitory synaptic neurotransmission.
- Dr. Bruce Tromberg: Optical spectroscopy of tissues and cells.
- Dr. Larry E. Vicker: Protein engineering; molecular chaperones and protein folding.
- Dr. Stephen H. White: Membrane structure; peptide-bilayer interactions; protein-structure prediction.

Interested applicants should send curriculum vitae to:
Dr. Janos K. Lanyi, Professor and Chair
Department of Physiology & Biophysics
University of California, Irvine
Irvine, CA 92217-4580
http://www.med.ucl.edu/~p-and-b

University of California, Irvine is an Equal Opportunity Employer committed to excellence through diversity.

CORNELL UNIVERSITY

PROVOST FOR MEDICAL AFFAIRS
DEAN OF THE MEDICAL COLLEGE

Nominations and applications are invited for the position of Provost for Medical Affairs of Cornell University and the Stephen and Suzanne Weiss Dean of the Medical College.

The Provost for Medical Affairs is the Senior Executive Officer of the University responsible for the University’s academic and clinical programs in the health sciences, which are offered by the Medical College and Graduate School of Medical Sciences located at The New York Hospital - Cornell Medical Center in New York City. The Provost reports directly to the President of the University, meets regularly with the Cornell Board of Trustees and serves on the Board of Overseers of the Medical College and Graduate School of Medical Sciences. The Dean of the Graduate School of Medical Sciences reports to the Provost for Medical Affairs.

The Stephen and Suzanne Weiss Dean of the Medical College has responsibility for personnel, facilities, finance, planning and development as well as all programs of instruction and research and the medical faculty practice plan. The Dean serves on the Joint Board of the New York Hospital - Cornell Medical Center.

The Provost/Dean will provide not just stewardship but dynamic leadership as the Medical College mobilizes for the 21st Century with major capitalization, refocus and enrichment of its missions in research, education and clinical care. The successful candidate will shape and implement a vision for an institution that interacts synergistically with an incomparable set of partners, including its sister colleges at Cornell University as well as its neighbors and affiliates, The New York Hospital and New York Hospital Care Network institutions, The Hospital for Special Surgery, Memorial Sloan-Kettering Cancer Center and The Rockefeller University.

A candidate for the position of Provost and Dean should be a nationally recognized leader in health sciences research and education with significant experience in the administration of such programs. The individual should hold an M.D. and/or Ph.D. degree and have demonstrated leadership qualities.

Review of candidates will begin immediately and continue until the position is filled. Nominations and applications, including a current curriculum vitae, should be addressed to: Joanne Blauer, Secretary of the Search Committee, Cornell University Medical College, 1300 York Avenue, Room F-100, New York, NY 10021, EED/AA/AF/F/D/V.

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ImmuneX is a leading biopharmaceutical company, based in Seattle, focused on the discovery, development, manufacture, and marketing of products to treat cancer and autoimmune disease. Our business is saving lives.

Bioinformatics Programmer

Seattle, WA

Currently, we are expanding our Bioinformatics program to support a number of high throughput sequencing projects and are seeking a highly skilled professional to provide assistance. Responsibilities will include maintenance and updating of sequence databases and the design and development of relational databases and applications.

Successful candidate will have a minimum of 3 to 5 years software engineering experience, to include experience in systems analysis, design and development. You must have knowledge and skill in C, UNIX, Oracle RDBMS, and the Macintosh environment. The successful candidate must also have a background in the biological sciences or experience with a biopharmaceutical company. Experience with data modelling, Oracle Forms, Oracle Data Browser/Query, WWW/CGI/HTML interface to RDBMS preferred, but not required.

We are looking for highly motivated, self starters possessing good communication skills to interact with our scientific staff.

In addition to the opportunity for real growth, ImmuneX offers a competitive salary and benefits package. For consideration, please send cover letter and resume, referencing Job #4419.171 to:

ImmuneX Corporation
Attn: Human Resources
Dept. #4419.171
51 University Street
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VIROLOGIST POSTDOCTORAL RESEARCH ASSOCIATE

IIT Research Institute, an independent research and development organization, has an immediate position available for a virologist with molecular biology experience. Applicants should be recent Ph.D. graduates with retrovirus or other RNA virus experience. A strong background in animal models and/or vaccine development would be a definite plus. Prior postdoctoral experience is not required. Interested candidates should send a curriculum vitae, along with a statement of research interests and names of three references to: Human Resources, Department S196, IIT Research Institute, 10 West 35th Street, Chicago, IL 60616. Equal Opportunity/Affirmative Action Employer.

A POSTDOCTORAL POSITION is available immediately to study the signal transduction mechanisms of the E2F site to switch from positive to negative element. Nature 375:812-815, 1995). Dr. Steven Jay Weintraub, Departments of Internal Medicine and Cell Biology and Physiology, Washington University School of Medicine, Campus Box 8052, 660 South Euclid Avenue, Saint Louis, MO 63110.

RESEARCH SCIENTIST

ECOGEN INC., a biotechnology company located in Langhorn, Pennsylvania, has an immediate opening for a research scientist skilled in two or more of the following disciplines: membrane biochemistry, membrane biophysics and molecular modelling-computational chemistry. Candidates must have a Ph.D. degree in the appropriate discipline. Postdoctoral experience preferred. Please send your résumé and salary history to: ECOGEN INC., Reference Number 96-4, P.O. Box 3023, Langhorn, PA 19047-3023. Equal opportunity employer.

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Executive Director
Southern California Coastal Water Research Project

The Southern California Coastal Water Research Project (SCCWRR) located in Westminster seeks an Executive Director to lead an interdisciplinary research program focused on anthropogenic and environmental factors affecting marine resources in the Southern California Bight and to relate these findings to existing or proposed environmental control policies and requirements. SCCWRR is a public agency governed by representatives of four large wastewater agencies, USEPA Region IX, three Bay-Water Quality Control Boards, and the California State Water Resources Control Board.

The director leads a staff of 24 in coordinated laboratory and field studies in biology, chemistry, toxicology, and oceanography. The director works with the government to develop program priorities, administers the organization, directs the activities of scientific and other staff, develops the annual research plan and budget, produces the annual report and other publications, coordinates activities with participating agencies, attracts external funding, and represents SCCWRR.

The director must possess strong managerial, scientific, and communication skills. Qualifications should include demonstrated abilities to manage a scientific enterprise and staff of professionals, to develop and manage budgets, to procure funding, and to speak and write effectively.

Desirable qualifications include an advanced degree and experience in marine environmental research. Salary and benefits will be commensurate with qualifications. Applicants should submit a statement of qualifications and resume to: SCCWRR Search, c/o CSDLAC, POB 4998, Whittier, CA 90607 by February 15, 1996. Applications will be kept confidential. SCCWRR is an Equal Opportunity Employer.

FACULTY POSITION

NEUROSCIENCES

The Geriatric Research, Education and Clinical Coordination Affairs Puget Sound Health Care System (VAPSHCS) Seattle Division, and the Division of Gerontology and Geriatric Medicine, Department of Medicine, and the Department of Pharmacology at the University of Washington are jointly recruiting a full-time faculty member at the RESEARCH ASSOCIATE or RESEARCH ASSOCIATE PROFESSOR level, commensurate with qualifications. Candidates must hold the degree of Ph.D. and/or M.D., and have at least two years of postdoctoral experience, and have a strong interest in basic mechanisms of aging or in diseases related to the elderly. The successful candidate is expected to develop a strong independent research program in the areas of research in cellular biology, molecular biology and/or biochemistry. Applicants will be able to interact with other neuroscientists and neurogeneticists including a strong core of individuals working on Parkinson's disease, at both the VAPSHCS and at the University of Washington. Applicants can participate in the training and teaching activities of the Division of Gerontology and Geriatric Medicine and the graduate program of the Department of Pharmacology. The closing date for applications is February 20, 1996. Applicants should send a curriculum vitae, three letters of recommendation, and brief statements summarizing research accomplishments and future plans to Dr. Gerard D. Schellenberg, Associate Director for Research, GRECC (182B), Veterans Affairs Puget Sound Health Care System, 1660 South Columbian Way, Seattle WA 98168. The VAPSHCS and the University of Washington are Affirmative Action, Equal Opportunity Employers. Women and minorities are encouraged to apply.

CARDIOVASCULAR PHARMACOLOGY

Sr/Principal Scientist

The R.W. Johnson Pharmaceutical Research Institute conducts research in areas of physiological and biochemical processes that underlie cardiovascular and metabolic diseases. Applicants for the Research Scientist position should have a strong background in pharmacology and medicinal chemistry, and be able to work within a collaborative environment.

We offer a competitive salary and excellent benefits, including medical/dental insurance, 401(k) plan and our LITE FOR LIFE Wellness Program with on-site fitness center. Please forward a copy of your curriculum vitae suitable for scanning into our database (i.e., clean/clear, no graphics and preferably unfolded) to: Dept. 544, R.W. Johnson & Johnson Recruiting, P.O. Box 16597, New Brunswick, NJ 08906-6597.

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Homer T. Hirst III Professorship of Oncology in Pathology
Cornell University Medical College
New York, NY

Cornell University Medical College (CUMC) invites applications and nominations of outstanding researchers for an Endowed Professorship in Oncological Pathology. The area of research should be related to the broad area of tumor biology. Genetic approaches to metastatic disease is a potential area of interest. The primary appointment will be in the Department of Pathology. The department is under the leadership of Daniel M. Knowles, M.D. and it now has 30 full-time faculty members. Ongoing collaborations exist between CUMC, Memorial/Sloan-Kettering Cancer Center and The Rockefeller University. These three institutions also participate in the joint tri-institutional MD/PhD program.

In addition to its anatomic and laboratory diagnostic functions, the Department will have 3 major research foci: vascular biology, immunobiology, and this new area, tumor biology/carcinogens. Therefore, we are seeking an outstanding individual who has an international reputation for excellence in research and teaching. The candidate must also possess exceptional interpersonal and grantmanship skills. The successful candidate will have demonstrated abilities to foster collaborative and interdisciplinary initiatives, and a commitment to develop a group in tumor biology within the department. Candidates will hold either an MD, Ph.D., or MD/Ph.D. They are expected to have credentials sufficient to be appointed at the tenured, full professor level.

An attractive, competitive salary, start-up package and newly renovated research space will be offered. Candidate screening will begin in January/February and continue until the position is filled.

Direct nominations or applications with a letter of interest, curriculum vitae, and names, addresses and telephone numbers of at least three references should be sent to:

Dr. David P. Hajjar
Chair, Search Committee - H.T. Hirst Professorship
Cornell University Medical College
1300 York Avenue
New York, NY 10021

Cornell University Medical College is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.
The search for an employer has molecular origins.

Biochemistry students at Buffalo, New York, and the Ohio State University in Columbus, Ohio, are seeking candidates for the positions of Chairperson and Chair, respectively. Applicants should be interested in developing multidisciplinary and organizational skills.

Review of applications will begin on March 1, 1996. The search will continue until the position is filled. Materials, including an application letter, curriculum vitae, and the names and addresses of four references, should be directed to Thomas N. Hansen, M.D., Chair, Search Committee, Medical Director's Office, Children's Hospital, 700 Children's Drive, Columbus, Ohio 43205.

The Ohio State University is an affirmative action/equal opportunity employer. Women and under-represented minorities are encouraged to apply.

Chairperson, Department of Pediatrics

The School of Medicine and Biomedical Sciences at the State University of New York at Buffalo is seeking candidates for the A. Conger Goodwin Chair of Pediatrics. Applicants should be interested in developing institutional and organizational skills.

Candidates must be certified by the American Board of Pediatrics, or equivalent, and be recognized as a national or international leader in academic medicine. Qualifications of the candidate for the rank of professor with tenure include distinction in pediatrics as well as demonstrated leadership in patient care, research, teaching, and administration.

The University of New York at Buffalo is an Affirmative Action/Equal Opportunity Employer and is especially interested in identifying and supporting underrepresented and minority candidates for this position.

The Department of Pathology, University of California, Irvine, anticipates openings with starting dates between January 1, 1996 and December 31, 1996 in (i) Faculty positions (Assistant/Associate/Full Professors in the adjunct and clinical series), and (ii) Research positions (Researcher, Specialist and Postgraduate Researcher series). The current faculty and their research interests are:

- P. Carpenter: Oncogenes and metastasis-associated genes in breast and ovarian cancer; and regulation of cell death.
- B. Choi: Neurobiology, neurotoxicology
- L. M. de la Mazza: Chlamydia trachomatis: immunopathology and vaccine development
- J. Emerson: NMR and Alzheimer's disease
- J. Hiserodt: Immunology and immunochemistry of malignancy
- Y. Kikkawa: Pulmonary biology, P450 and free radical pathology
- R. Newman: Organ transplantation
- E. Peterson: Chlamydia trachomatis: immunopathology and pathogenicity
- W. E. Robinson: HIV/SIV: Immunopathology and Experimental Therapeutics
- M. Samoszuk: Hematopathology, cytokines in lymphomas, and new therapeutics
- M. Seledz: Host defense mechanisms in granulocytes; mucosal immunity; antimicrobial function of the lung
- J. Thompson: Hematopathology, Immunotherapy of malignancy
- N-S. Wang: Ultrastructure and Pathology of lung and pleura

Candidates should send CV to Yutaka Kikkawa, M.D., Professor and Chair, Department of Pathology, UCI-COM, D440 Med Sci, Irvine, CA 92717.

The University of California, Irvine: rooted in education, enriched by diversity.

Chairperson, Department of Pediatrics

The National Center for Toxicological Research (NCTR) announces an opening for the position of Associate Director for Research. Applications must be received by March 31, 1996. NCTR is part of the U.S. Department of Health and Human Services/Food and Drug Administration (FDA), 15 miles north of Little Rock, Arkansas. The mission of NCTR is to conduct peer-reviewed scientific research that supports and anticipates the FDA's current and future regulatory needs. This involves fundamental and applied research specifically designed to define biological mechanisms of action underlying the toxicity of products regulated by the FDA. A career at NCTR is aimed at developing methods to improve assessment of human exposure, susceptibility, and risk. This position exercises administrative and programmatic control over the Office of Research. The Office includes approximately 150 research and support staff, with about 100 doctoral-level investigators. This opening is a civil service position in the Senior Biomedical Research Service (SBRs). The SBRs salary range is $67,941 to $148,400. Applicants must have a doctorate in medicine, veterinary medicine, biology, microbiology, pharmacology, physiology, chemistry or closely related physical or biological science; demonstrated experience involving research, analysis and evaluation of scientific data related to the study of the biological effects of potentially toxic chemical substances and chemical toxicants found in the environment, and strong managerial experience or potential.

Applicant information should be directed to John Anderson, Office of Human Resources and Management Services, Food and Drug Administration, Room 7B-32, HFA 408, Parklawn Building, 5600 Fishers Lane, Rockville, Maryland 20857. For further information contact Mr. Anderson by phone on (301) 443-1755 or by fax on (301) 443-6703.

BOTANIST

Tenure-track position at Assistant Professor level to begin September 1996; Ph.D. and postdoctoral experience required. The Biology Department at Western Washington University invites applications from botanists with expertise in plant growth and development, including those studying the cellular or developmental aspects of plant responses to the environment. Teaching responsibilities will include introductory plant biology, an intermediate level biology course, and advanced courses in the area of expertise. The successful applicant will be expected to maintain an active research program involving undergraduate and graduate (MS) students and to seek extramural funding. The department is committed to excellence in undergraduate teaching, with research playing an important role in the educational process. The Biology Department recently occupied a new four-story building; a greenhouse is scheduled for completion in Summer 1996. Western Washington University is located in northwest Washington, near the foothills of the Cascade Mountains. Applicants should submit a curriculum vitae, concise statements of interests and accomplishments in both teaching and research, a transcript of science coursework, and the names, addresses, and phone numbers of four references to: David Morgan, Search Committee Chair, Department of Biology, 5206 College Way, Bellingham, WA 98225-9160. Phone: (360) 650-3627; FAX: (360) 650-3148; e-mail: morgan@biol.wwu.edu. Further information at http://www.wwu.edu/biology.html. We will begin reviewing applications on 2 February 96, and the position will remain open until filled. An affirmative action/equal opportunity employer.
ASSOCIATE SCIENTIST

Athena Neurosciences, Inc. is an established biotechnology-based company committed to the discovery & development of new products to diagnose and treat diseases of the central nervous system. We currently have an associate scientist position open at our South San Francisco facility.

This position involves investigation of CNS disorders and includes characterization of a transgenic model of Alzheimer's Disease. The position requires at least two years' experience in quantitative in situ hybridization and autoradiography using CNS tissue. A background in CNS anatomy and experience with other morphologically-based quantitative imaging techniques, histocommunity, and in situ histochecmistry is highly desirable.

Athena offers competitive salaries and benefits. Please send resume to: Athena Neurosciences, Inc., HR Dept., Attn: Job# 50112-AS, 800 Gateway Blvd., South San Francisco, CA 94080. EOE

DIRECTOR

Center for Accelerator Mass Spectrometry (CAMs) Environmental Programs Directorate

Lawrence Livermore National Laboratory (LLNL)

The Lawrence Livermore National Laboratory is seeking a Director for the Center for Accelerator Mass Spectrometry (CAMs), an independent research organization within the Environmental Programs Directorate. The Center operates the world’s most versatile and productive AMS facility in execution of research programs in biomedicine, climate research, the geosciences, industrial and technological applications, and arms control. Colloborative programs with the nine campuses of the University of California, and other domestic and international academic, agency and industrial researchers includes archaeology, oceanography, the geosciences, and a broad range of the biosciences and clinical applications. The Center is committed to ongoing development of its current spectrometer and is planning to add one or more specialized AMS spectrometers as part of the evolution of its research program. In addition to its AMS capabilities, the Center shares and develops with Sandia California impressive tools for ion microprobe analysis and general nuclear analytical techniques.

We seek candidates with a demonstrated record of research innovation in nuclear, earth or life sciences and with entrepreneurial accomplishments in leading multidisciplinary research organizations. An earned Ph.D. in one of the above disciplines is essential. The position is available immediately. For information contact Jay Davis, e-mail: jcd@llnl.gov. US Citizenship and the ability obtain a Department of Energy 'Q' clearance are required.

LLNL offers a challenging work environment, unique collaborative opportunities with the nine University of California campuses, and a competitive salary/benefit package. Interested applicants please send a resume, three letters of references and a brief statement of research interests to: Rene Sorensen, Recruiting and Employment Division, Dept. AHS/CNRS, Lawrence Livermore National Laboratory, P.O. Box 5510, Livermore, CA 94551-5510. We are proud to be an Equal Opportunity Employer. M/F/D/V.

UNIVERSITY OF VERMONT

ASSISTANT/ASSOCIATE PROFESSOR

MICROBIAL PATHOGENESIS

The Department of Microbiology and Molecular Genetics invites applications for a tenure-track faculty position. We are soliciting applicants who have demonstrated superior talent and productivity in the area of molecular mechanisms of microbial or viral pathogenesis, including host-pathogen interactions. Applicants must hold a doctoral degree in microbiology or related discipline and must have postdoctoral research experience. The successful candidate will be expected to establish a vigorous, independent research program and to participate in teaching microbiology at the undergraduate, graduate and/or medical school levels. Details about departmental research interests and the University may be viewed on the Internet at http://salus.med.uvm.edu/mmg/mmg.html. Applicants should submit a letter of interest accompanied by a curriculum vitae, a description of research and teaching interests and should arrange for three letters of reference sent to: Dr. Paula Fives-Taylor, Professor and Search Committee Chair, Dept. of Microbiology and Molecular Genetics, Stafford Hall, University of Vermont, Burlington, VT 05405. Review of applications will begin immediately and continue until the position is filled. The University of Vermont is an equal opportunity, affirmative action employer. Women and minorities are encouraged to apply.

Aquatic Microbial Ecologist

The Wadsworth Center, New York State Department of Health, seeks an aquatic microbial ecologist with a strong background in physiology and/or molecular biology of algae and/or bacteria, and with a strong commitment to develop a new research program on drinking and surface water systems or biofilms. We particularly encourage applications from candidates who use innovative approaches to address public health problems in a broad sense. Salary will be commensurate with experience. The successful candidate will also be eligible for faculty appointment in the School of Public Health, State University of New York at Albany. The Wadsworth Center is a comprehensive public health laboratory with a staff of 800 which includes 170 Ph.D.-level research scientists. Letter of application, accompanied by a curriculum vitae and names of three references should be sent by February 23, 1996 to Dr. G. Y. Rhee, Wadsworth Center, New York State Department of Health, PO Box 509, Albany, NY 12201-0509.

The New York State Department of Health is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

FACULTY POSITION

PLANT PHYSIOLOGY/PLANT MOLECULAR BIOLOGY

The Institute of Paper Science and Technology (IPST) is seeking a Plant Scientist to augment their Forest Biology Program by establishing a research program based on the application of modern techniques to problems in plant physiology. This program should attract external funding. The IPST's Forest Biology Program is currently focused on softwoods, and the candidate should have experience in softwoods with a focus on forest management and productivity. The candidate should have experience in molecular biology and genetics and should be interested in applying these techniques to problems in plant biology. The successful candidate will be expected to establish a vigorous, independent research program and to contribute to teaching the IPST-Georgia Tech Plant Physiology Program. The successful candidate will be eligible for faculty appointment in the School of Forest Resources, College of Natural Resources, Georgia Tech, Atlanta, GA 30318-5794 or Fax to (404) 894-5302. EEO/AFFIRMATIVE ACTION EMPLOYER M/F/V/D
European Science Education

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23 February Issue

Careers in Biotechnology and Pharmaceuticals

The 23 February issue of SCIENCE will feature a special advertising supplement on careers in biotechnology and pharmaceuticals. Plus, this issue will be distributed at the bioSCIENCE Career Fair, 1-2 March, held at the MIT campus in Cambridge, MA.

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Australia: Call Keith Sandell
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Japan: Call Mashy Yoshikawa
Phone: (+81) 3 3235-5961;
Fax: (+81) 3 3235-5852.
Department of Pharmacology
University of Minnesota Medical School
TENURE/TRACK POSITIONS
(Professor, Associate Professor and Professor)

Applications are invited for TENURE/TRACK FACULTY POSITIONS in the Department of Pharmacology, University of Minnesota Medical School. Successful candidates are expected to establish an outstanding, independent research program, in addition to participating in teaching undergraduate/graduate medical courses in the area of molecular pharmacology. Requirements for ASSOCIATE PROFESSOR positions include a Ph.D. in Pharmacology or other basic medical sciences or an M.D., and at least 2 years of postdoctoral research experience. Candidates with a strong research background and experience in using state-of-the-art approaches involving cellular, molecular, genetic or biophysical techniques to study problems relevant to pharmacological sciences are preferred. Applicants must have demonstrated involvement in research and published in leading peer-reviewed journals.

Appointments as ASSOCIATE PROFESSOR (Tenured) will be considered for applicants with professional distinction in published research, teaching and evidence of consistently attracting extramural funding for research. Appointments at this rank must meet the minimum qualifications established by the University of Minnesota.

Applicants should indicate the rank they are applying for and send a copy of their curriculum vitae, reprints of important publications, a statement of research plans and names of three references to: Dr. S. Ramakrishnan, Chairperson of Search Committee, Department of Pharmacology, 3-249 Millard Hall, University of Minnesota, 435 Delaware Street, S.E., Minneapolis, MN 55455.

Deadline for receipt of applications is March 31, 1996. University of Minnesota is an equal opportunity educator/employer and offers an excellent academic research environment.

For further information about the Department of Pharmacology and its programs, access the Department’s home page (http://brain.med.umn.edu/index.html) on the Web.

MICROBIOLOGY/GENETICS
Indiana University Kokomo

The Department of Biological & Physical Sciences invites applications for a tenure-track position at the Assistant Professor level commencing August 1996. Responsibilities include teaching, at the undergraduate level, Microbiology (both lecture and lab) for nursing and allied health students, and, on an alternating year basis, upper level courses in Microbiology, Genetics and additional course for non-majors. Although teaching is a prime responsibility, research and service are also required. Publication is expected.

Desired qualifications include an earned doctorate, and a strong commitment to undergraduate teaching, research and publication. Preference will be given to individuals with a strong emphasis in microbiology. Salary is competitive and includes an excellent fringe benefits package. Although the review process will commence February 12, 1996, applications will be accepted until the position is filled.

Send resume, copies of undergraduate and graduate transcripts, three letters of reference, and telephone numbers of references to:

Dr. Robert Roales
Chairperson, Department of Biological & Physical Sciences
Indiana University Kokomo
P.O. Box 9003
Kokomo, IN 46904-9003
E-mail: RRoales@IUKFSI.IUK.Indiana.EDU

Indiana University Kokomo is an Equal Opportunity/Affirmative Action Employer.
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- You can register in advance and just pick up your badge on-site
- You don't have to attend to participate, all resumes will be given to all employers
- FREE to AAAS Members and AMSIE'96 registrants
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FOR MORE INFORMATION, CONTACT
MAIL: Kevin Bullock
AMSIIE'96 Job Fair, 1333 H Street, NW, Washington, DC 20005
FAX: (202) 289-4021
E-mail: kbullock@aaas.org
American Association for the Advancement of Science

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- Employers can conduct Career Development Seminars: topics include resume writing, interviewing, and other job-hunting skills, as well as the latest information and issues related to scientific careers
- FREE resume book of all participating candidates

FOR MORE INFORMATION, CONTACT
MAIL: Kevin Bullock
AMSIIE'96 Job Fair, 1333 H Street, NW, Washington, DC 20005
PHONE: (202) 326-7049
FAX: (202) 289-4021
E-mail: kbullock@aaas.org
American Association for the Advancement of Science
AMSIE’96 JOB FAIR
1996 AAAS Annual Meeting & Science Innovation Exposition (AMSIE’96)
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CANDIDATE Advance Registration Form

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- Organic
- Physical

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- Atmospheric
- Geology/Soil Sci.
- Oceanography

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- Aeronautical
- Nuclear
- Biomedical
- Chemical
- Electrical/Electronic

Mathematics & Computer Science

- Computer Science
- Mathematics
- Statistics

Physics & Astronomy

- Astron./Astrophys.
- Atomic/Molecular
- Particle
- Plasma

Social & Behavioral Sciences

- Anthro./Sociol.
- Language Sciences
- Econ./Poli. Sci.
- Science Policy

- Education
- Psychology
- History & Philosophy of Science

INSTRUCTIONS: Complete the AMSIE’96 Advance Registration Form. Enclose a current curriculum vitae (including a listing of three professional references), and mail to: Kevin M. Bullock, Project Coordinator, AAAS Employment Exchange, 1333 H Street, NW, Suite 1159, Washington, DC 20005. NOTE: Faxed forms and resumes are not acceptable. If you are planning to be on-site at AMSIE’96, please remember to bring multiple copies of your current curriculum vitae. Incomplete forms will not be accepted.

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Our newly formed department of Computational and Structural Sciences now needs an NMR Spectroscopist to develop multidimensional NMR techniques and apply them to drug discovery research. This department will occupy modern facilities within the new central research and development facilities at Harlow, which will be completed in 1996. State-of-the-art instrumentation, including 500 and 600 MHz spectrometers and well-equipped data analysis and support facilities complement the research enterprise.

The successful candidate will have a PhD in Physics, Chemistry or Biochemistry and a sound knowledge of NMR theory combined with a strong experimental background in multidimensional techniques. This position ideally suits someone with postdoctoral experience, and whose background includes applications of NMR methods to investigations in biological systems including proteins, nucleic acids, their complexes and/or protein-ligand interactions.

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Am Institut für Physikalische und Theoretische Chemie, Naturwissenschaftliche Fakultät II (Biologie, Chemie und Pharmazie), ist zum 1.10.1997 eine

C 4-Professur für Theoretische Chemie
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La Jolla, CA at The Scripps Research Institute, October 4-5

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THE 1997 KING FAISAL INTERNATIONAL PRIZE FOR SCIENCE

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The General Secretariat of The King Faisal International Prize is pleased to invite universities, scientific societies, research centres, and other learned circles throughout the world to nominate qualified candidates for the above Prize. The 1997 topic is:

PHYSICS

Nomination Conditions:

1. Nominated work must:
   a) be published and original;
   b) represent a contribution of the highest distinction;
   c) benefit mankind and advance scientific knowledge.

2. Nominations must include:
   a) an official letter of nomination detailing the scientific justification for the nomination;
   b) a typed CV detailing the nominee's academic background and experience and listing all the nominee's published works;
   c) six (6) copies of each nominated work;
   d) three (3) recent colour photos;
   e) full contact details.

   Items b-e may be submitted by the nominating body or the nominee

3. Nominations must be submitted by official nominating bodies as specified herein and not by individuals or political parties.

In order for nominees to qualify, all conditions must be fulfilled. Required documentation must be received by The King Faisal International Prize no later than 31 May 1996.

The decision of the Prize's Selection Committee is final. Winners will be announced in January 1997 and will be honored at an official ceremony later in the year in Riyadh. Each winner receives:

A certificate, written in Diwani calligraphy and presented in a leather folder, describing the work for which the winner is awarded the Prize;

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Joint winners share the cash prize.

Please send nominations by airmail to:

The General Secretariat
The King Faisal International Prize
P.O. Box 22476
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ANNOUNCEMENT

WORKSHOP ON TOXICITY OF ALTERNATIVES TO CHLOROFLUOROCARBONS (CFCs)

The National Research Council's Committee on Toxicology will hold a one and one-half day workshop on the toxicity of alternatives to chlorofluorocarbons on March 7 to 8, 1996 in Irvine, California. The workshop will evaluate all aspects of toxicity of CFC substitutes with emphasis on cardiac sensitization. The workshop is being held as a satellite meeting of the Society of Toxicology meeting in Anaheim, California. There is no charge for attending the workshop, but preregistration is encouraged due to limited space. For further details, contact: Dr. Margaret McVey, National Research Council, 2101 Constitution Avenue NW, Washington, DC 20418. Telephone: 202-334-2548; FAX: 202-334-2752; Email: mmcvey@nas.edu.

COURSES AND TRAINING

MOLECULAR BIOLOGY for Teaching College Faculty. A five-day project-based LABORATORY COURSE presenting fundamental molecular techniques including restriction analysis, hybridization and PCR. Designed for teaching faculty. July 22 to 26, 1996 at Elon College in Burlington, North Carolina, with a possible second session. $1,000 fee includes room and board. Application deadline: April 1, 1996. Sponsored by Elon College and Carolina Biological Supply Company. Contact: Dr. Helen Kreuzer. Telephone: 910-538-6374.

“MEMORY: RECORDING EXPERIENCE IN CELLS AND CIRCUITS”

Sponsored by the National Academy of Sciences, February 17 to 20, 1996, Arnold and Mabel Beckman Center in Irvine, California. Registration fee: $175 by February 1, 1996. For more information contact: Michelle Pizzuti, Section of Neurobiology, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06510, USA. Email: michelle.pizzuti@yale.edu or on World Wide Web at the following url: http://info.med.yale.edu/neurobio/memory.

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