### POSITIONS OPEN

#### NEUROBIOLOGY/PLANT PATHOLOGY

The Department of Plant Pathology and the Southern Experiment Station at Non-Waseca, University of Minnesota, invites applications for an ASSISTANT PROFESSOR in Neuromotology/Plant Pathology, 12-month, tenure-track appointment. The successful candidate will develop a research program to help elucidate soybean cyst nematode (SCN) including biological and ecological investigations. Assisting with other nematode crop production problems is required when appropriate. Collaborative research examining cultural, biological, mechanical and chemical control of SCN in Minnesota is of interest. Project leadership and active seeking of external funding is expected. Advising of graduate students is expected. Some classroom teaching at St. Paul is possible. Minimum qualifications: a Ph.D. in plant pathology, nematology, entomology, or a related area with three years of experience with plant parasitic nematodes in field research settings. Desired qualifications: course work and field research emphasizing SCN and soybean production systems, ability to communicate effectively to diverse audiences, documented collaborative research, on farm research, evidence of ability to obtain external funding, interest in and understanding of long-term ecological systems, and two years of postdoctoral experience. Salary is commensurate with qualifications and experience. The position will be available on or about June 1, 1995. Applications should include a curriculum vitae, all transcripts, one page summary of goals in context of this position and three letters of reference. Please send applications to:

Chair, Neurobiologist Search Committee
411 Borlaug Hall
University of Minnesota
St. Paul, MN 55108

All materials must be postmarked no later than February 15, 1995. The University is an Equal Opportunity Employer.

#### BIOCHEMISTRY/MOLECULAR BIOLOGY

MEHARRY MEDICAL COLLEGE

Faculty positions are available in 1995 in the Department of Biochemistry, at the level of ASSISTANT or ASSOCIATE Professor. Applicants must have a Ph.D. or M.D. degree, or both, and appropriate formal postdoctoral research experience. Joint appointments in clinical science departments are possible. We are seeking individuals who have potential or demonstrated competence in the use of molecular biological or biophysical approaches to conduct research in molecular medicine, or on fundamental biochemistry in the Department of Biochemistry. Selected individuals must also be capable of, and committed to making significant contributions to teaching and administration of the Department of Biochemistry. Successful applicants will be expected to develop and maintain a funded research program of high quality and to substantially participate in the graduate and professional (medical, dental, and health) school teaching programs of the Department. Applicants should send curriculum vitae, a statement on teaching interests, names of four individuals who may be contacted for reference, and a summary (not exceeding four pages) of potential research project(s) to: Ifeniyi J. Arinze, Ph.D., Chairman, Department of Biochemistry, Meharry Medical College, Nashville, TN 37208. An Equal Opportunity/Affirmative Action Employer.

#### COMPARATIVE PHYSIOLOGIST

DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Applications are invited for a full-time tenure-track position at the ASSISTANT PROFESSOR level. Preference will be given to individuals with interests in comparative or adaptional physiology and utilizing physiological, biochemical, cellular and/or molecular approaches in their research. Successful candidates must hold a Ph.D. degree with postdoctoral experience, and be expected to develop a vigorous, independently funded research program, and to compete for undergraduate/graduate teaching assignments. The appointee will join a strong department with broad interests and expertise in molecular, cellular, and systems biology. The University of Illinois has a state-of-the-art Biotechnology center with service facilities in molecular biology, protein analysis, cell culture and transgenic animals. Competitive salary and startup funds, and the possibility of receipt of applications is February 21, 1995. Interviews may take place before February 21, 1995, but all applications received by this date will be fully considered. Applicants should submit a brief statement describing research interests and plans, curriculum vitae, list of publications, and the names and telephone numbers of at least three references to: Dr. Arthur D. Orf, Search Chairperson, Department of Physiology and Biophysics, University of Illinois, 524 Burrill Hall, 407 South Goodwin Avenue, Urbana, IL 61801.

The University of Illinois is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are highly encouraged to apply.

Trent University invites applications for a tenure-track position as a geneticist in the Department of Biology at the rank of ASSISTANT PROFESSOR to start July 1, 1995. The position requires a Ph.D. in population genetics, molecular biology, or genomics. Preference will be given to applicants with demonstrated ability in undergraduate teaching combined with an active research program. Areas of specialization should be in plant and/or animal population genetics, microbial or fungal genetics or molecular genetics as applied to ecology. Research interests should complement those of existing faculty. The successful applicant will have the opportunity to supervise graduate students (M.Sc. or Ph.D.) within the interdisciplinary Watershed Ecosystems Graduate Program, and will be expected to apply for external funding support for their research. Trent is a small liberal arts and sciences university located in the Kawartha Lakes region of central Ontario. The successful candidate will serve in teaching courses on introductory biology, genetics and/or population genetics and evolution. This person will also be expected to develop an upper year half course in an area of specialization. The appointment will be for a three-year period with an option for renewal. Salary is based on the salary scale for the position of Professor at the rank of Assistant Professor, which is currently $41,816 per annum. Send letter of application, brief statement of research and teaching experiences, curriculum vitae and the names and addresses (including FAX numbers and Email addresses) of three references to: Dr. J. F. Sutchiffe, Chair, Department of Biology, Trent University, Peterborough, Ontario K9L 7B8 Canada. Email enquiries: BMOUNTNEY @TRENTU.CA. Closing date for applications is March 1, 1995. Trent University is an Employment Equity Employer, and especially invites candidates from women, Aboriginal peoples, persons with disabilities, and persons from visible minority groups. In accordance with Canadian immigration regulations, this advertisement is directed to Canadian citizens and permanent residents of Canada.

#### ASSISTANT/ASSOCIATE PROFESSOR

DEPARTMENT OF WILDLIFE BIOLOGY

UNIVERSITY OF WISCONSIN-MADISON

The Department of Wildlife Ecology at the University of Wisconsin-Madison seeks applicants for a 12-month, tenure-track position as ASSISTANT PROFESSOR. A Ph.D. in wildlife ecology/ecosystem management, or related field is required, and postdoctoral research and teaching experience are desirable. The successful applicant is expected to conduct independent and interdisciplinary research in quantitative animal ecology in the context of ecosystem management, and to teach two courses each year. Send curriculum vitae, college transcripts, three to five letters of reference, and statement of research and teaching interests by March 1, 1995, to: Chair, Department of Wildlife Ecology, 226 Russell Labs, University of Wisconsin, Madison, WI 53706. Telephone: 608-262-2671. The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer.

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### DISPLAY PERSONNEL ADVERTISEMENTS

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Recruitment Advertising
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### CONDITIONS: The AASAS encourages employers to actively recruit and employ underrepresented minority groups. Science reserves the right, at its discretion, to edit or decline to publish advertisements submitted to it.
ASSISTANT PROFESSOR
GRADUATE CENTER FOR TOXICOLOGY
UNIVERSITY OF KENTUCKY

The Graduate Center for Toxicology, University of Kentucky Chandler Medical Center, seeks candidates to fill a full-time, tenure-track faculty position at the level of ASSISTANT PROFESSOR. Requirements include a Ph.D. in Environmental or a related field, 3-5 years of postdoctoral training, and a productive record of quality research. Responsibilities include development of an independent research program, teaching undergraduate and graduate level courses, and mentoring of toxicology graduate students. Applicants using molecular biologic approaches to address problems of environmental health will be considered. While any specialty area will be considered, special consideration will be given to candidates working on mechanisms of DNA repair and oncogene and tumor suppressor gene expression. Current areas of emphasis and opportunities for collaboration in the Graduate Center for Toxicology include mechanisms of carcinogenesis, gene regulation, drug metabolism and transport, immunotoxicology and neurotoxicology. A competitive start-up package and research space in the newly constructed Health Sciences Research Building are available. Please send a curriculum vitae, a brief summary of research plans and the names of three references to: Dr. Peter L. Starkweather, University of Nevada, Las Vegas, 4505 Maryland Parkway, Las Vegas, NV 89154-4014. Review of applications will begin January 30, 1995. University of Nevada, Las Vegas is an Equal Opportunity/Affirmative Action Employer.

PH.D. MOLECULAR BIOLGIST
Assistant Professor, Associate Professor or Professor

The Department of Dermatology at the University of Colorado Health Sciences Center (UCHSC) School of Medicine seeks candidates for a positions in molecular biology/genetics and with a record of productive research. The role of the person will be to pursue an independent area of research pertinent to the skin and to collaborate with others in the department, and to supervise a molecular biology laboratory within the departmental research labs. This person will provide a primary faculty appointment and research laboratory in the Department of Dermatology and a secondary appointment in an appropriate basic sciences department. Applicants are expected to have a faculty rank commensurate with experience and credentials. Translational funding for three years available.

Individuals wishing to pursue this opportunity should send curriculum vitae, three letters of reference to: J. Clark Huff, M.D., Department of Dermatology, 4200 East 9th Avenue, Box B183, Denver, CO 80262.

UCHSC is committed to Equal Employment Opportunity and Affirmative Action.

The Chemistry and Geochemistry Department at Montana Tech of the University of Montana is seeking a full-time, tenure-track faculty member at the ASSISTANT PROFESSOR level to begin in August 1995, subject to the availability of funds. Minimum qualifications include an M.S. degree in geochemistry or a related science and the ability to teach undergraduate and graduate courses in general chemistry and geochemistry. Individuals who excel in teaching and who can establish a viable research program at the undergraduate and graduate level are encouraged to apply. Preference will be given to candidates who can contribute to the Master's geochemistry program. The Department of Chemistry and Geochemistry offers an A.C.S. accredited B.S. degree in chemistry and a Master's degree in Geochemistry. Montana Tech is situated in the historic mining community of Butte in the heart of the Rocky Mountains. Applicants should submit a résumé, curriculum vitae, a statement of research interests, and three letters of reference to: Dr. Doug Cee, Chair, Department of Chemistry and Geochemistry, Montana Tech of the University of Montana, 1300 West Park Street, Butte, MT 59701-8997 by March 1, 1995. Equal Employment Opportunity/Affirmative Action Employer.

IMMUNOLOGY—ASSISTANT PROFESSOR

The Department of Immunology and Microbiology, located in the Human Resources Office at the address/telephone number listed below. Review of applications to begin February 20, 1998, Submit cover letter, curriculum vitae, copies of transcripts and three letters of recommendation to: John A. Williams, M.D., Ph.D., Professor and Chair, Department of Immunology and Microbiology, University of Michigan, Ann Arbor, MI 48109-0622. The University of Michigan is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply.

The Department of Immunology and Microbiology seeks to appoint an Assistant Professor level faculty member in the area of immunology. This is a 9-month position to begin in August 1998. The successful candidate will have an established record of research in any area of the field of immunology and be prepared to establish an active and successful research program. The successful applicant will be expected to participate in the education and training of graduate students and postdoctoral fellows. The successful applicant will be expected to contribute actively to the growth of the department. Faculty appointments in the Immunology Program are subject to approval by the Provost and President of the University. The University of Michigan is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply.

The Department of Immunology and Microbiology seeks to appoint an Assistant Professor level faculty member in the area of immunology. This is a 9-month position to begin in August 1998. The successful candidate will have an established record of research in any area of the field of immunology and be prepared to establish an active and successful research program. The successful applicant will be expected to participate in the education and training of graduate students and postdoctoral fellows. The successful applicant will be expected to contribute actively to the growth of the department. Faculty appointments in the Immunology Program are subject to approval by the Provost and President of the University. The University of Michigan is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply.

Department of Immunology and Microbiology, The University of Michigan, Ann Arbor, MI 48109-0622. The University of Michigan is an Affirmative Action/Equal Opportunity Employer. Minorities and women are especially encouraged to apply.

ASSISTANT PROFESSOR OF BIOLOGY
BEAVER COLLEGE
(Suburban Philadelphia)

The Department of Biology invites applications for a tenure-track position beginning fall 1995. Responsibilities will include an upper level course in Neurobiology for Biology and Psychobiology majors, a two semester sequence in general biology, and ability to teach histology (although other teaching combinations which meet departmental needs may be considered). The successful candidate must have an earned doctoral degree and competence in the neurosciences. A dedication to teaching pre-professional, Biological, and Psychobiology majors, as well as an interest in mentoring undergraduates in research, is expected. For full consideration, by February 10, 1995, submit a letter of intent including research goals and teaching interests, curriculum vitae, and three letters of recommendation to: Professor Subhsh C. Minocha, Chair, PBIO-FMB Search Committee, Department of Plant Biology, Adj. Artie J. Yocom, Chair, Department of Biology, Beaver College, Glenside, PA 19038. Beaver College is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN PHYSIOLOGY OF MICHIGAN

The Department of Physiology at the University of Michigan Medical School invites applications for a ten-ure-track position at the ASSOCIATE PROFESSOR level. We seek a person utilizing modern techniques of cell and molecular biology to understand physiological processes at the integrative level. The individual must be able to participate effectively in the departmental and medical student teaching program in an area of integrative and/or medical physiology. Applications will be reviewed until the position is filled.

Specialties: Neurobiology, Neuroanatomy, Neuroendocrinology, Neuroimmunology, Neuropharmacology, Neurophysiology, Behavioral Physiology, and the Neurosciences. The successful applicant will be expected to establish an active and successful research program, to teach at the undergraduate and graduate levels, and to participate in the education and training of medical and graduate students. The University of Michigan School of Medicine is an Affirmative Action/Equal Opportunity Employer. Women and minorities are especially encouraged to apply.
Biogen is a dynamic young biotechnology company principally engaged in developing genetically engineered human pharmaceuticals. Now in our 16th year, we are one of the few profitable biotech companies in the U.S. Revenues come from five products - including Intron (®) alpha interferon and hepatitis B vaccines and diagnostics - sold throughout the world by licensees or affiliates. Current research is directed toward the discovery and development of proprietary products to treat inflammation, cardiovascular disease, AIDS and certain cancers.

Senior Scientist - Bioprocess Development
We currently seek a senior level molecular biologist in the area of CHO cell line construction and development. This position involves construction of cell lines with high productivities for our Process Development department. Work includes vector construction, transfection, and initial screening of cell lines with an emphasis on design of new host/vector systems using molecular genetic techniques. Candidates will work closely with scientists involved with media development regarding strategies to improve and maximize protein expression for cell lines needed for GMP manufacturing. To qualify candidates must have a PhD in Molecular Biology and 5-10 years' experience in vector and cell line construction for CHO cell lines in an industrial setting. Strong collaborative and communication skills are essential as well as evidence of external collaborative activities.

Senior Process Scientist - Drug Delivery
This achievement-oriented scientist will utilize a strong working knowledge of polymer/protein chemistry and biophysical characterization techniques to manage external collaborations associated with our drug delivery program. Specific responsibilities involve directing formulation research and development work, as well as overseeing various drug delivery programs aimed at increasing the value of our therapeutic products through internal Research and Development and external collaboration. Candidates must have a PhD in Chemistry, Pharmacology or Biochemistry and a strong publication record in projects dealing with interactions of polypeptides and drug delivery systems. Applicants must also possess 3 years' experience actively managing collaborations involving drug delivery of therapeutic proteins with other companies.

Scientist - Quality Control
Utilizing hands-on experience developing a wide range of biochemical methods, this proven scientist will develop, document and validate new assays for the purpose of quantitating products and raw materials produced in the manufacturing of proteins. These methods will include chromatographic, colorimetric, electrophoretic and general chemical assays. This individual will also supervise the transfer of release testing methods to our quality Control group. To succeed, candidates must have a PhD in Chemistry or Biochemistry, 5 years' industrial experience and a strong understanding of GMPs. A working knowledge of the development and validation of analytical methods involving protein chemistry, chromatography, spectroscopy, computers, lab automation, statistical analysis, experimental design, quality control and quality assurance is also required. Direct experience in assay development for biochemical products a must.

Biogen offers what few companies in our industry can - Professional Challenge, Stability, Profitability, and Growth. In addition, our compensation and benefits package is one of the best in the industry, and is designed to attract and retain the finest talent available. If you are one of the best, you have an opportunity to join us now. Please forward your resume to: Joe Mini, Dept.-Sci, Biogen Inc., 14 Cambridge Center, Cambridge, MA 02142, FAX: (617) 679-3595.

Biogen is An Equal Opportunity Employer.
The Department of Biology invites applications for a non-tenure-track position as ASSISTANT PROFESSOR beginning August 15, 1995. The successful applicant will teach Introductory Biology lectures and laboratories and will offer one or two additional, well or molecular biology. Fields presently represented in the department are Microbiology/Botany, Ecology, Cellular/Developmental, Vertebrate Anatomy, Molecular Genetics and Paleobiology/Invertebrate Zoology. Candidates must demonstrate interest or have experience in undergraduate teaching and have a Ph.D. (expected by August 1995). A letter of application stating educational philosophy (no longer than one page), a résumé and three letters of reference should be sent to: William A. Short, Chair, Department of Biology, Hampden-Sydney College, Hampden-Sydney, VA 23943; FAX: 804-223-6574 by February 10, 1995. Application material received after this date will not be considered. An Equal Opportunity Employer/Affirmative Action.

**HAMPDEN-SYDNEY COLLEGE**

**ASSISTANT/ASSOCIATE PROFESSOR**

Tenure-track faculty position, Department of Pharmacology and Experimental Therapeutics, Loyola University Chicago, Stritch School of Medicine. The Department of Pharmacology and Experimental Therapeutics is seeking to fill a tenure-track ASSISTANT PROFESSOR or ASSOCIATE PROFESSOR position. The ideal candidate should have a Ph.D. and/or M.D. degree, postdoctoral experience, and a strong commitment to excellence in research and teaching. Evidence of originality, scientific accomplishment and capability to develop an independent research program is essential. Salary is competitive, and based on experience and qualifications. Start-up packages are available for early development. Candidates should send their curriculum vitae, three letters of recommendation, representative reprints, and a synopsis of their current and future research interests to: Dr. Lee Bousser, Chair, Department of Pharmacology and Experimental Therapeutics, Loyola University Chicago, Stritch School of Medicine, 2160 South State Street, Chicago, IL 60612, Telephone: 708-216-3261; FAX: 708-216-6596. An Affirmative Action Equal Employment Opportunity Employer.

**ASSISTANT PROFESSOR, BIOCHEMISTRY**

The Oregon State University Department of Biochemistry and Biophysics invites applications for a full-time, TENURE-TRACK APPOINTMENT (nine-month). We seek an outstanding scientist with demonstrated postdoctoral research productivity in biochemistry, who will pursue an independent research program in biochemistry related subjects to undergraduates and graduates. The appointee is expected to develop an active, extramurally supported research program that complements the research efforts of the faculty. To apply send a letter of interest; curriculum vitae; a concise statement of research plans; copies of two representative publications; names, addresses, and telephone numbers of three professional references; and have the three reference letters sent to: Professor Philip N. McFadden, Biochemistry and Biophysics, 2011 ALS, Oregon State University, Corvallis, OR 97331-7305. Completed applications received by February 20, 1995, will be assured of consideration. Oregon State University is an Affirmative Action/Equal Opportunity Employer, and is responsive to dual-career couples.

**ASSISTANT/ASSOCIATE PROFESSOR.** The Center for Study of Gene Structure and Function at Hunter College of the City University of New York is a rapidly expanding research consortium. It includes faculty members in three departments: Biological Sciences, Chemistry, and Biophysics. Applications are invited for one or two tenure-track faculty appointments in any of these departments. Research areas include molecular biology, biochemistry, immunology, eukaryotic microbiology, neurosciences, structural biochemistry, physical biochemistry, and molecular spectroscopy. Candidates must have a Ph.D. degree with postdoctoral training and demonstrated evidence of productivity. Biophysical candidates will be expected to develop a research program, train doctoral candidates and participate in teaching. Submit curriculum vitae, research plans, and three letters of recommendation to: The Dean, Division of Sciences and Mathematics, Hunter College, Room 312HN, 695 Park Avenue, New York, NY 10021. Minority applicants are particularly urged to apply.

**HUNMAN GENETICS DEPARTMENT UNIVERSITY OF UTAH**

**FACULTY POSITION TENURE-TRACK – ANY LEVEL**

Current faculty interests include: Genetics of Human Disease; Developmental Genetics; Human Genome Project; and Population Genetics. Send curriculum vitae and brief description of research interests to: Raymond F. Gesteland, Department of Human Genetics, University of Utah, 145 North Medical Drive, Mail Stop 84112. FAX: 801-585-3910; Email: ray@genet. med.utah.edu. The University of Utah is an Equal Employment Opportunity Employer and encourages applications from women and minorities.

**FACULTY POSITION**

The Department of Medicine at the University of Pennsylvania School of Medicine invites applications from physician/scientists for a FACULTY POSITION with in the Section of Diabetes. Candidates are sought who will direct an extramurally funded research program related to Diabetes in the broadest sense. Areas of potential interest include, but are not limited to, hormone action, signal transduction, genetics, metabolism, membrane protein targeting, and secretion. Academic rank and financial support will be commensurate with the needs and experience of the successful candidate. Please send curriculum vitae, a brief description of research interests, and three letters of recommendation to: Morris J. Birnbaum, M.D., Ph.D., Howard Hughes Medical Institute, Room 622 Clinical Research Building, 422 Curie Boulevard, Philadelphia, PA 19104-6148.

The University of Pennsylvania is an Affirmative Action/Equal Employment Opportunity and applications from women and minorities are welcomed.

**FACULTY POSITION**

The Department of Microbiology, University of California, San Francisco (UCSF) School of Medicine, and the San Francisco Cancer Genome Project (SFCGP) are currently seeking an outstanding candidate to fill a tenure-track or tenured position. In addition to departmental affiliation, the position includes membership in the Program in Biological Sciences, the excellent campus-wide graduate program. The search will consider candidates with demonstrated creativity and research productivity in viral replication and pathogenesis. Rank will be commensurate with level of experience. Interested candidates should send a curriculum vitae and a statement of future research plans, and have three letters of recommendation sent by January 31, 1995, to: Virolology Search Committee, Department of Microbiology & Immunology, Box 0414, University of California, San Francisco, San Francisco, California 94143. UCSF is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

**FACULTY POSITION**

The Department of Psychiatry, University of Pennsylvania, has established a new endowment fund available for programs in neurology and behavior. Positions are at either the junior/senior level depending on candidates' qualifications and experience. Applicants should have a Ph.D. with training in genetics and experience in endocrinology, molecular pharmacology and neuroanatomy. Please send letter of interest and curriculum vitae, along with three references to: Director, Developmental Neurogenetics, c/o Dr. Joseph C. Wu, M.D., Chairman, Department of Psychiatry, University of Pennsylvania, 305 Blockley Hall, 418 Guardian Drive, Philadelphia, PA 19104-6201. Equal Opportunity/Affirmative Action Employer.

**POSITIONS OPEN**

**CHAIRPERSON DEPARTMENT OF BIOLOGY**

The College of Arts and Sciences at Appalachian State University invites applications for the position of CHAIRPERSON of the Department of Biology. The position will be available beginning July 1, 1995. The successful candidate will demonstrate strong commitment to teaching, research and service and will possess an academic administrative background and have a record of excellence in teaching, research and service. Experience in the Chairmanship of a department is advantageous. Applicants should possess an earned Ph.D. in Biology or a closely related discipline and must demonstrate evidence of exemplary scholarly achievements. The chairperson will be expected to develop, implement and review departmental programs; conduct research; and direct and evaluate other instructional activities. A demonstrated commitment to diversity and minority involvement is required. A positive record of teaching excellence is an asset. The position is a full-time, 12-month appointment beginning July 1, 1995. Salary is commensurate with qualifications and experience. Responsibilities include: establishing a research program; teaching undergraduate and graduate courses; and maintaining a strong commitment to teaching, research and service. The Department of Biology is seeking candidates with teaching and research expertise in a variety of areas, including molecular biology, cell biology, biochemistry, physiology, botany, zoology, geology and environmental sciences. The successful candidate will have a strong commitment to university teaching and demonstrate a commitment to the diversity of the student body. Candidates should receive the Ph.D. degree by the time of appointment. Rank, salary and consideration for tenure will be based on experience. Applicants should send a cover letter detailing research emphasis and teaching expertise, curriculum vitae, and a list of three references to: Dr. W. H. Kornegay, Chair, Department of Biology, Office of the Dean, College of Arts and Sciences, Appalachian State University, Boone, NC 28608. For telephone inquiries: 704-262-2677. Appalachian State University is an Equal Opportunity Employer.

**CHAIR OF MICROBIOLOGY UNIVERSITY OF MARYLAND**

The College of Life Sciences at the University of Maryland-College Park invites applications for the position of CHAIR of the Department of Microbiology. The Department of Microbiology consists of 12 faculty with research and teaching interests including prokaryotic molecular biology, virology, immunology, ecology, and pathogenic microbiology. We seek an individual to provide academic and administrative leadership for expansion of our teaching and research programs. Candidates should be internationally recognized for their professional accomplishments and capability to direct an extramurally funded research program. Candidates should provide a letter of application accompanied by a curriculum vitae, and arrange to have three letters of reference sent directly to the address below. Review will begin on January 15, 1995, and continue until a suitable candidate is identified. The anticipated starting date for this position is August 1995. Applications should be addressed to: Search Committee Chair, Department of Microbiology, University of Maryland, College Park, MD 20742-4451. The University of Maryland is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

**CHAIR, ANIMAL SCIENCES UNIVERSITY OF MISSOURI-COLUMBIA**

An individual is sought to chair a unit of 33 faculty and 700 graduate and undergraduate students. Major primary research emphasis is in reproduction and nutrition. Qualifications include a Ph.D., an ability to communicate with various constituency groups of the state's animal industries, a commitment to diversity and demonstrated excellence in either research, teaching or extension, ideally in an area that complements existing programs. The closing date for applications is January 15, 1995. Names of candidates will be identified. Send nominations and applications to: Joe Kornegay, D.V.M., Ph.D. Chair, Search Committee 510 Agricultural Administration Center University of Missouri Columbia, MO 65211 Applications should include curriculum vitae, a detailed letter of intent and the names of at least three references. Individuals from underrepresented groups including minorities, women and people with disabilities are encouraged to apply.

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Molecular Biologist/Virologist

A postdoctoral scientist position for either a foreign applicant (Fogarty Visiting Fellowship Program) or a U.S. citizen (Intramural Research Training Appointment) is available immediately to study molecular mechanisms of tumorigenesis at the Laboratory of Immunopathology, National Institute of Allergy and Infectious Diseases. Research projects are aimed at identification and characterization of disease genes associated with murine AIDS (MAIDS)-lymphomas and B-cell lymphomas of ecotropical viruses-congenic NFS mice. Experience in molecular biology, especially in genomic- and cDNA-library construction, and less than five years postdoctoral experience are required. Salary range $25,000 - $32,000 will be commensurate with experience.

Qualified and interested candidates should send curriculum vitae and names and addresses of three (3) references to:

Dr. Herbert Morse or Dr. Xiaobei Liao
Laboratory of Immunopathology
NIAID - National Institutes of Health
Building 7, Room 302
7 Center Drive MSC-0760
Bethesda, MD 20892-0760

Phone: 301-496-4436/6379 Fax: 301-402-0077

Applications must be received by February 28, 1995

NIH is an Equal Opportunity Employer

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Post-Doctoral Virologist

The Lindsey F. Kimball Research Institute of the New York Blood Center invites applications from Virologists for a Postdoctoral position in research on hepatitis C virus. As an active participant in the Laboratory of Virology and Parasitology, which includes 13 postdoctoral scientists working on independent projects related to the immunology and molecular biology of HCV, HIV, and the flarial parasite of Onchocherca volvulus, the incumbent will conduct studies on in vitro and in vivo replication, receptor studies and transduction with genomics and cloning.

The Lindsey F. Kimball Research Institute comprises 17 laboratories carrying out autonomous research programs in diverse fields of biomedical research. Available immediately, this position commands a negotiable salary and an excellent comprehensive benefits package. Please send CV with 3 letters of recommendation to: Jeffrey Slemmer, Department of Human Resources, New York Blood Center, 150 Amsterdam Avenue, New York, NY 10023. An Equal Opportunity Employer M/F/D/V.

Job Opportunity Hotline
1-800-835-0058

Lindsey F. Kimball Research Institute
A Division of the New York Blood Center

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DIRECTOR, NATIONAL TOXICOLOGY PROGRAM

For over 65 years, Battelle staff have designed and carried out vital, challenging, and rewarding research programs. Battelle’s Health Division is engaged in important work in the areas of Pharmaceutical Product Development, Agricultural Product Development, and Public Health Research. We are currently seeking candidates for the position of Director, National Toxicology Programs. In this role, the candidate selected will serve as Program Manager and Principal Investigator for studies under contracts with the National Institute of Environmental Health Sciences.

Prime responsibilities include the technical and fiscal management of toxicological studies conducted through the National Toxicology Program, the preparation of technical and business proposals for future work, the supervision of performance under current contracts, leadership responsibilities for technical and professional staff, and communications with NTP staff. Requirements include a Ph.D. in Pharmacology or Toxicology, evidence of independent research through a formal postdoctoral training program, American Board of Toxicology certification, significant experience leading large-scale rodent toxicology programs, and demonstrated capability for effective communication through conference presentations and journal publications. Previous experience (10+ years) conducting studies for the NTP is desirable.

This exciting and unique leadership opportunity is located at Battelle’s Columbus, Ohio research center and world headquarters. Battelle offers opportunities for professional growth and development in addition to a comprehensive package of compensation and benefits. If interested, please send resume/CV and cover letter to: NTP Search Committee, c/o Christopher Dunford, Dept. 175, Battelle, 505 King Avenue, Columbus, OH 43201-2693. Battelle is an Equal Opportunity Action Action/Equal Opportunity Employer M/F/D/V.
CHAIR
Department of Molecular and Human Genetics
Baylor College of Medicine

Baylor College of Medicine invites applications and nominations for the position of CHAIR of the Department of Molecular and Human Genetics. The Department includes programs in fundamental basic science, human genetics research (with a Human Genome Center), and a clinical research facility. The new Chair will have the opportunity to lead and expand the current programs and to establish new areas of research and training. The Chair will be expected to develop new multidisciplinary programs in areas of high promise and to provide leadership for the department in areas of strategic importance.

Applications and nominations should be received by March 1, 1995, and should include a full curriculum vitae, a brief statement of research interests, and three letters of recommendation. The successful candidate will be expected to provide leadership and direction for the department.

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

EXECUTIVE DIRECTOR OF OTS

The Organization for Tropical Studies (OTS) is seeking an EXECUTIVE DIRECTOR to provide leadership for the world’s premier organization in training graduate students and promoting research in tropical field biology and the wise use of natural resources. Candidates should have demonstrated leadership in three areas: fund raising, administration, and academic program development. The successful candidate must have significant cross-cultural professional experience and communication skills. A Ph.D. in the biological sciences and proficiency in Spanish are desirable. OTS is an international consortium of 55 U.S. and Central American institutions. The Executive Director is based in the North American Office at Duke University, Durham, North Carolina, USA. The majority of the programmatic activities take place at three field stations in Costa Rica.

Application review will begin May 15, 1995, for the position which will start July 1, 1996. Send resume, letter of interest, and names of five references to: Dr. Gordon Oriens, Chair, OTS Search Committee, Department of Zoology, University of Washington, Seattle, WA 98195. Duke University is an Equal Opportunity/Affirmative Action Employer.

PROFESSOR OF APICULTURE

The Department of Entomology invites applications for a PROFESSOR OF APICULTURE. The successful candidate will be expected to conduct research on social insect behavior and to develop a program of graduate training and research in this area. The Department of Entomology is located in the new Life Sciences Building, adjacent to the picturesque Smoky Hill River.

Applications should be sent to: Dr. J. Howard, Chair, Department of Entomology, University of Colorado, Boulder, CO 80309-0204. The University of Colorado is an Equal Opportunity/Affirmative Action Employer.

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DIRECTOR, Hemopathology Program. The University of Texas M. D. Anderson Cancer Center is seeking an individual to direct an interdisciplinary (Divisions of Pathology, Laboratory Medicine, and Medicine) program in Hemopathology. The candidate must be Board-certified in Hematology, preferably with certification in a discipline (Hematology, Hematology-Oncology, Hematology) aligned to the goals of the interdisciplinary program. These include (1) leading a clinical investigative program in leukemia/lymphoma, (2) directing patient-care diagnostic services dealing with hematology/hemopathology, (3) coordinating a training program in hematologic malignancies. It is expected that the candidates are prepared to play a major role in research dealing with these goals.

Send curriculum vitae and inquiries to: David G. Tuberger, M.D., Chairman, Search Committee, Department of Pediatrics, Box 87, UTMD Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030. The University of Texas M. D. Anderson Cancer Center is an Affirmative Action/Equal Opportunity Employer.

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POSTDOCTORAL POSITION

HARVARD MEDICAL SCHOOL

BETH ISRAEL HOSPITAL

Transcriptional Regulation of Eosinophil Genes

POSTDOCTORAL POSITION available immediately for new or experienced Ph.D. in molecular biology to characterize the promoters and enhancers of eosinophil genes, to isolate, clone and characterize transcription factors which regulate eosinophil-specific gene expression, and to study the role of these factors in lineage commitment, differentiation and functional maturation of these granulocytes. Genes being studied include those encoding the IL-5 receptor alpha subunit, granulocyte-associated protein such as eosinophil peroxidase, and CCL protein. Experience in gene regulation and/or transcription factor research desirable. Send/FAX curriculum vitae, three reference letters and two recent references to: Stephen I. Ackerman, Ph.D., Infectious Diseases, RE219, Beth Israel Hospital, 330 Brookline Avenue, Boston, MA 2215. FAX: 617-667-3299.

POSTDOCTORAL POSITION available immediately for new or experienced Ph.D. in molecular biology to characterize the promoters and enhancers of eosinophil genes, to isolate, clone and characterize transcription factors which regulate eosinophil-specific gene expression, and to study the role of these factors in lineage commitment, differentiation and functional maturation of these granulocytes. Genes being studied include those encoding the IL-5 receptor alpha subunit, granulocyte-associated protein such as eosinophil peroxidase, and CCL protein. Experience in gene regulation and/or transcription factor research desirable. Send/FAX curriculum vitae, three reference letters and two recent references to: Stephen I. Ackerman, Ph.D., Infectious Diseases, RE219, Beth Israel Hospital, 330 Brookline Avenue, Boston, MA 2215. FAX: 617-667-3299.

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Science Advertising Calendar of Events

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Editorial Focus, Gordon Research Conference.

10 February
Bonus Distribution to the AAAS Annual Meeting in Atlanta, Georgia, 17-20 February 1995.

24 February
Special Advertising Section, Euroscience at Work: Career Opportunities in European Biotechnology and Pharmaceuticals.

3 March
Bonus Distribution to the Biotechnology/Pharmaceutical Job Fair, 10-11 March, New Jersey. Bonus Distribution to the American Physical Society meeting, 22-24 March, San Jose, California.

10 March
Editorial Focus, Molecular Biology: Cellular Regulation I. Bonus Distribution to the American Association for Cancer Research meeting, 19-21 March, Toronto, Canada. Bonus Distribution to USGEB, 30-31 March, Fribourg, Switzerland.

17 March
Special Advertising Section, Careers in Biotechnology and Pharmaceuticals: Beyond Discovery. Bonus Distribution to two Biotechnology/Pharmaceutical Job Fairs: 24-25 March, La Jolla, California and 28-29 April, Cambridge, Massachusetts.

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Human Population Geneticist

The Laboratory of Neurogenetics of the National Institute on Alcohol Abuse and Alcoholism of the National Institutes of Health is seeking a human population geneticist for a tenured position at a level comparable to the associate or full professor. The successful candidate will join a productive research staff on projects related to large scale automated genotyping and genetic linkage and transmission analysis of alcoholism and related psychopathologies. In addition, the successful applicant will assume an active role in training graduate and post-doctoral fellows, and establish independent research projects in anthropological, evolutionary, population, and statistical genetics. Applicants should have experience with design and management of large databases that integrate pedigrees, molecular genetic markers, and clinical records. Experience with projects involving automated DNA genotyping, in using genetic analysis software packages (e.g., SAGE, Linkage, etc.), and in development of original methods and research designs is also necessary. Send curriculum vitae, including bibliography, statement of research interests, and names and addresses of three references to: David Goldman, MD, Laboratory of Neurogenetics, NIH/NIAAA, 12501 Washington Avenue, MSC 8205, Bethesda, MD 20892-8205.

Research Scientist

Bio-Rad Laboratories is a world leader in the fields of life science research products, clinical diagnostics and analytical instruments. Our continued growth has created a need for a dynamic scientific professional to work in our Lab Products Division.

The successful candidate will have a BS/MS or equivalent in a biological science with 2+ years laboratory experience. Must have good working knowledge of current methods of electrophoresis, chromatography and associated techniques including the analysis and purification of proteins and nucleic acids and isoelectric focusing.

For consideration, please send your resume to: Bio-Rad Laboratories, 2000 Alfred Nobel Dr., Dept. 017, Hercules, CA 94547. An EEO/AA Employer.
APOLIPROTEIN E

POSTDOCTORAL POSITIONS are available to study the role of apoE and apoA1 in cellular lipid metabolism and the development of Alzheimer’s disease. Experimental approaches involve gene knockout animals, molecular genetics, and cell biology. Ph.D. and/or M.D. with experience in hematopoiesis and lipoprotein biochemistry preferred. Curriculum vitae and names of two references to: David L. Williams, Department of Medicine, SUNY Stony Brook, Stony Brook, NY 11794-8511. SUNY Stony Brook is an Affirmative Action/Equal Opportunity Educator and Employer.

POSTDOCTORAL POSITION IN MOLECULAR GENETICS
Available immediately for an individual proficient in molecular biology. Preference will be given to applicants with experience in large DNA work (TAC, BAC, Pl cloning/analysis). Candidate will work with two international, multidisciplinary teams on genetics of complex cardiovascular disease. Please forward curriculum vitae, personal statement, three references, and research interests to: Dr. K. Lingle, Department of Medicine, BWH, Harvard Medical School, 75 Francis Street, Boston, MA 02115. FAX: 617-266-6830.

POSTDOCTORAL POSITION in Molecular Endocrinology. Positions available immediately for mecha-

nistic studies of regulation of insulin-like growth factor (IGF) and IGF binding protein gene expression. Current studies focus on the identification and functional analysis of insulin binding proteins, interactions, and secretion. Experience with pro-
tein and cell culture desirable. Send curriculum vitae and names of three references to: Terry G. Unterman, M.D., Endocrine Section (M/C 640), Department of Medicine, University of Illinois College of Medicine at Chicago, 840 South Wood Street, Chicago, IL 60612. An Affirmative Action/Equal Employment Opportunity position.

POSTDOCTORAL ASSOCIATE (S) to determine how metabolites and ions regulate the activity of intracellular Ca2+ channels. Studies will focus initially on the Ca2+ release-dependent mechanism and signaling responsible for malignant hyperthermia, an inherited syndrome that results from a mutation in this protein (see American Journal of Physiology 266: C1729-C1735, 1994; ibid. 267: C1253-1261, 1994). Candidates should have training in electrophysi-
ology; expertise in single channel analysis would be highly advantageous. Enquiries to: Dr. Charles F. Louis, Depart-
ment of Veterinary Pathobiology, University of Minnesota, Room 295, 1988 Fitch Avenue, St. Paul, MN 55108. Telephone: 612-624-2402. The University of Minnesota is an Equal Opportunity Educator and Employer.

POSTDOCTORAL ASSOCIATE
POSTDOCTORAL POSITION in lab studying cognitive effects of developmental brain damage. Two current NIH-funded projects concern perinatal exposure to cocaine and lead, respectively. Ph.D. preferred. Preference given to candidate with expertise in the areas of cognition and genetics. Send curriculum vitae and three letters of recommendation to: Dr. B. J. Strupp, Depart-
ment of Psychology and Division of Nutritional Sci-

POSTDOCTORAL FELLOW RESEARCH ASSOCIATE
Applications are invited for POSTDOCTORAL/RE-
SEARCH ASSOCIATE positions to study role of metabolic factors in the regulation of blood vessel growth at the whole animal, cellular, and molecular levels. Can-
didates must have a Ph.D. or an M.D. with an interest in physiology and molecular biology, or in cell biology and/or molec-
ular biology of vessel growth regulation. Salary will be commensurate with experience and credentials. Interest-
ed applicants should send curriculum vitae, and a list of research interests and names of at least three references to: Dr. Tom Adair, Department of Physiology and Biophysics, The University of Mississippi Medical Center, Jackson, MS 39216. The University of Mississippi Medical Center is an Equal Opportunity Employer/Male/Female/Dis-
abled/Veterans.

POSTDOCTORAL FELLOWSHIP EYE DEVELOPMENT
Position available to study the basis of cell determina-
tion during development of the vertebrate eye. Work involves a range of embryological and molecular tech-
niques, including the use of retrovirus vectors. Requires a solid background in molecular biology and experience in transcrip-
tion factors in the regulation of cell growth; intracellular signaling pathways in normal and malignant tissues; novel approaches to tumor therapy; effect of adhesion mole-
eclides on cell behavior. Send curriculum vitae and three letters of reference to: Dr. Olof Sundberg, Wilmer Eye Institute, Johns Hop-
kins University School of Medicine, 600 North Wolfe Street, Baltimore, MD 21287-9289. Johns Hopkins Uni-
versity School of Medicine is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION: NIH-funded stud-
ies on the characterization and molecular etiology of membrane estrogen receptors. Will entail a broad range of techniques including protein modification characteriza-
tions, PCR, sequencing, RIA, oocyte RNA injection, in-
munocytochemistry, and cell culture. Available immedi-
ately; salary depends on qualifications. Send curriculum vitae and three letters of reference to: Dr. Cheryl S. Watson, Human Biology, Chemistry and Genetics Department, University of Texas Medical Branch, Galveston, TX 77555. Email: cowatson@umb-

POSTDOCTORAL POSITION available immedi-
ately to study the mechanism of lysophospholipid absorp-
tion in the intestine (Am. J. Physiol., 267: G80-G86, 1994). A background in intracellular metabolism in bi-
chemistry. Experience with fluorescence and cell cul-
ture is desirable. Send curriculum vitae and names of three research interests in our group include (1) theoretical and experi-
mental quantum chemistry, (2) study of gene products in the normal and malignant kidney. Send curriculum vitae and three references to: L. Waskell, M.D., Ph.D., Depart-
ment of Anesthesiology, UC San Francisco, VA Med-
cal Center, San Francisco, CA 94112. FAX: 415-

POSTDOCTORAL/RESEARCH FELLOWSHIP
Theoretical, Computational, and Experimental Chemistry and Physics
We are looking for exceptionally able (1) theoretical/computational chemists or physicists with a strong back-
ground in quantitative chemistry, group theory, group light-
matter interactions, quantum control of chemical dynam-
ics, or related areas, (2) experimentalists, particularly with background in following: ultrahigh-\n
resolution time-resolved X-ray lasers, atomic and molecular beams, laser generated X-
rays, charged particle beams, or X-ray physics. Current research interests in our group include (1) theoretical and experi-
mental quantum control of chemical dynamics with femtosecond lasers, (2) development of multi-terawatt femtosecond lasers and their application to high field chemistry and physics, (3) ultrafast, short wavelength X-ray diffraction as applied to imaging mole-
cular quantum dynamics. For a description of current group activities and personnel see our World Wide Web site, http://www.wilson.ucsd.edu/ or send Email with no text to wilsjob@ucsd.edu. To apply, please send a curriculum vitae to: Dr. Kent R. Wilson, Depart-
ment of Chemistry 0339, University of California, San Diego, La Jolla, CA 92093-0339. Affirmative Ac-
ction/Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP
Available Immediately: POSTDOCTORAL FEL-
LOWSHIP for Ph.D. or M.D. to participate in NIH-
sponsored studies in the areas of regional cell growth and cancer growth factors in cerebral ischemia. Experience in experimental models of brain ischemia and/or molecular biology tech-
niques is preferred. Applications should include curriculum vitae, a brief statement of research interests and names and telephone numbers of three references to: Dr. Daniel R. Tescher, Laboratory, Massachusetts General Hospital/Har-
vard Medical School, MGH East, 149 13th Street, 6th Floor, Charlestown, MA 02129.

NIH PREDOCTORAL/POSTDOCTORAL FELLOWSHIP IN ONCOLOGY
Several FELLOWSHIP POSITIONS are available in an interdepartmental oncology training program based at Boston University School of Medicine. Potential research approaches include investigation of the role of receptor tyrosine kinases in the development of cancer, new tumor chemotherapeutic agents, and the molecular and cellular mechanisms of hormone action. The position is open to students with a Ph.D. in the biological sciences (physiology, chemistry, biochemistry, or biology). Applications should include a curriculum vitae, a brief statement of research interests and scientific background, and names and addresses of three references. Send statement of interest and references to: Norah F. McNally, Department of Pharmacology, Boston University School of Medicine, 80 East Concord Street, Bos-
 ton, MA 02118. The Department of Medicine and Boston University are committed to Affirmative Action/Equal Employment Opportunities and strongly encourage applications from women and minorities.

POSTDOCTORAL FELLOW
THE JOHNS HOPKINS SCHOOL OF MEDICINE
POSTDOCTORAL FELLOWSHIP IN PEDIATRIC HEMATOLOGY
A POSTDOCTORAL POSITION is available to in-
vestigate the control of fetal hemoglobin (HbF) produc-
tion in normal adults and in beta-hemoglobinopathies (such as sickle cell disease). The control of HbF is ge-
netically determined and varies over a wide range. Some physiologic and pharmacologic agents elevate HbF levels and decrease the severity of thalassemia and sickle cell disease. We have mapped a gene controlling HbF production to a small region (1–2 Mb) of the X-chromosome. Future studies will involve isolation of the gene and evaluation of expression in other species and animal models. Send curriculum vitae and references to: Dr. George Dover, Ross Research Building, Room 1125, The Johns Hopkins School of Medicine, 720 Rutland Avenue, Baltimore, MD 21205. Telephone: 410-955-3886.

POSTDOCTORAL RESEARCH ASSOCIATE
The Ecosystems Center at the Marine Biological Lab-
oratory is seeking a POSTDOCTORAL RESEARCH ASSOCIATE to join a research project developing an “Estuarine Biotic Integrity Index.” This project will develop higher trophic levels. Successful applicant will work closely with estuarine ecologists at sites around the United States to establish causal relationships between upland land use and fish community structure. Experience in estimating impact of physical and chemical factors on biological processes is desirable. Send curriculum vitae and three references to: Human Resources, MBL, Woods Hole, MA 02543. Telephone: 508-548-3705, x422; Email: resume@mbl.edu. An Equal Opportunity/Affirmative Action/ Non-smoking workplace.

The Johns Hopkins University School of Hygiene and Public Health invites applicants for fully funded PRE-
and POSTDOCTORAL TRAINING POSITIONS in immunotoxicology and environmental immunology. This program, supported by grants from the National Institute of Environmental Health Sciences, JHU School of Hy-
giene and Public Health, 615 North Wolfe Street, Baltimore, MD 21205.
SPECIAL LECTURES
G.H.A. Clowes Memorial Award Lecture
(Bert Vogelstein)
Presidential Address (Edward Bresnick)
American Cancer Society Award Lecture
(Frederick P. Li)
Richard and Hinda Rosenthal Foundation Award Lecture (Ellen S. Vitetta)
Cornelius P. Rhoads Memorial Award Lecture (Eric S. Landers)
Bruce F. Cain Memorial Award Lecture (Kenneth R. Harrap)

PLENARY SESSION
Integrated View of the Cancer Cell
(Edward S. Lippman)

SYMPOSIA
Growth Factors, Their Receptors and Differentiation (Angie Rizzino)
Oligonucleotide-mediated Modulation of Mammalian Gene Expression (Kevin J. Scanlon)
Biomarkers of Carcinogenesis (David Sidransky)
DNA Repair Pathways: Recent Surprises (Philip C. Hanawalt)
Mechanistic Basis of Ethnic Differences in Cancer Risk (Kenneth Olden)
Genetic Susceptibility to Cancer (Kenneth W. Kinzler)
Combinatorial Libraries for Cancer Research and Drug Discovery (Sydney E. Salmon)
Telomeres and Telomerase (Carol W. Greider and Jerry W. Shay)
Immunotherapy: Tumor Vaccines (David A. Berd)
Glycosylation Defining Malignancy (Sen-ito Hiro Hakomori)
New Strategies and Targets for Chemotherapy (Joseph R. Bertino and Eddie Reed)
The Biology of Radiation Oncology (H. Rodney Withers and C. Norman Coleman)
Genes, Development and Cancer (Eric N. Olson)
Dietary Intervention in Hormonal Carcinogenesis (Diane F. Birt and Lovell A. Jones)
Translational Research in Breast Cancer (Marc E. Lippman)
DNA Methylation (Peter A. Jones and Stephen B. Baylin)

Titles of Major Sessions
(Confirmed Chairpersons in Parentheses)

Genetic Approaches to Invasion and Metastasis (Robert S. Kerbel and Patricia S. Steeg)
The Role of Stromal-Epithelial Interactions in Growth and Neoplasia (Leland W. K. Chung)
Contribution of Environmental Factors to Cancer (Kenneth Olden)
Stem Cell Transplantation and High Dose Chemotherapy (Peter J. Quesenberry)
Signal Transduction and Gene Control and Development (James E. Darnell)
Natural Products in Chemoprevention of Cancer (Michael B. Sparn)
The Cell Cycle and Tumor Suppressor Genes (Thea D. Tisty)
Transcription Factors in Development and Neoplasia (Frank J. Rauscher III)
Gene Therapy in Cancer Clinical Trials (Jonathan W. Simons)
Graft versus Tumor Effects (Richard J. O'Reilly)
Angiogenic Control of Tumor Growth (Judah Folkman and Adrian L. Harris)
Extracellular Matrix, Gene Expression and Cell Signalling (Hynda K. Kleinman)
Apoptosis (Alan R. Eastman)
Cancer Prevention and Intermediate Biomarkers (Peter Greenwald)

CONTROVERSY SESSIONS
Breast Cancer Prevention: What Will We Advise Women with BRCA1? (Louise C. Strong)
Does the Current Body Burden of Dioxin Pose a Risk to the Health of the North American Population? (Alan Poland)
What Are the Limits and Benefits of Protein Specific Antigens as a Screening Tool? (John Trachtenberg)
Is Mammography Before Age 50 Beneficial? (Virginia L. Ernst)
Is Bone Marrow Transplantation Indicated for Breast Cancer? (Nancy E. Davidson)
Are Estrogens Implicated in Breast Cancer? (Lovell A. Jones)

MEET-THE-EXPERT
SUNRISE SESSIONS
Pediatric Malignancies (Joseph V. Simone)
A Primer on Analyzing Clinical Trials (Steven Piantadosi)
Farnesyl Transferase as a Target for Therapy (Alexander W. Wood)

Multidrug Resistance (Victor Ling)
Is a Mutagenic Event Involved in Initiation? (Ann R. Kennedy)
Everything You Always Wanted to Know About Prostatic Cancer but Were Afraid to Ask (John T. Isaacs)
Colon Cancer (Ronald N. Buick)
The Use of Hematopoietic Cells to Support High-Dose Chemotherapy (Elizabeth J. Shpall)
Multivariate Determinants of Radiocurability (Richard P. Hill)
Glutathione and Associated Enzymes in Anticancer Drug Response (Kenneth D. Tew)
Gene Therapy for Urological Cancers (Jonathan W. Simons)
Chemical and Viral Etiologies of Liver Cancer: Application of Mechanistic Knowledge to Prevention Interventions (John D. Groopman)
Human AH Receptor and Human Responses to Dioxins (Allen B. Okey)
Organ-specific Carcinogenesis (Location, Location, Location) (Cheryl Lyn Walker)
Pharmacokinetic/Pharmacodynamic Relationships in Cancer Chemotherapy (Merrill J. Egorin)
Cellular and Molecular Biology Underlying Relationships Between Major Forms of Human Lung Cancer (Stephen B. Baylin)
Prostate-specific Gene Expression in Transgenic Mice (Norman M. Greenberg)
Tyrosine Kinases and Phosphatases in Molecular Determinants of Multidrug Resistance (Elizabeth W. Newcomb)

METHODS WORKSHOPS*
General, In Situ, and Quantitative PCR (Saraswati Sukumar)
Gene Targeting and Gene Trapping in Mice (Janet Rossant and Andreas Nagy)

EDUCATIONAL WORKSHOPS*
Molecular Modeling to Medical Monitoring: The Development of New Anticancer Agents (Daniel D. Von Hoff)
Gene Therapy (Albert B. Deisseroth)
Genetic Instability in Cancer (Lawrence A. Loeb)
Cytochrome P450 (Colin R. Jefcoate)

*Additional application and registration fee required
POSTDOCTORAL FELLOWSHIPS IN CARDIOVASCULAR DEVELOPMENT, UCSF

NIH-funded fellowships available in early and peri-natal cardiovascular biology (e.g., cardiogenesis, vasculogenesis, endothelial, cell, endothelial function, gene regulation, signal transduction) in a multidisciplinary group of molecular biologists/physiologists. Applicants must have demonstrated interest in basic molecular biological/physiological research, and commitment to an academic career. U.S. citizenship or permanent residency status required. Applicants should also have a Ph.D. in physiology or pharmacology and research experience in the postdoctoral level. The position and faculty title (at Harvard Medical School) will be determined based on the candidate's qualifications.

Contact: Dr. Raj K. Goyal, Division of Gastroenterology, Beth Israel Hospital, 383 Longview Avenue, MA 02115. Women and minorities are encouraged to apply. We are an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE position in behavioral neuropharmacology available to study the mechanisms of antidepressant drug actions. Candidates will involve the use of controlled behavior and the assessment of core regulatory neuropharmacological/molecular measures. Candidates should have a Ph.D. in pharmacology, psychobiology, or related field. Send curriculum vitae and names of three references to: James M. O'Donnell, Ph.D., Pharmacology Department, Louisiana State University Medical School, 1501 Kings Highway, Shreveport, LA 71130. An Affirmative Action/Employer.

RESEARCH ASSOCIATE: Desire Ph.D. with experience in HIV molecular biology to be a research associate in a laboratory-based program on the pathogenesis of HIV. Person will help direct laboratory-based program involving the use of schedule of controlled behavior and the assessment of core regulatory neuropharmacological/molecular measures. Candidates should have a Ph.D. in pharmacology, psychobiology, or related field. Send curriculum vitae and names of three references to: Dr. Mike Hart, Division of Pulmonary and Critical Care Medicine, Indiana University School of Medicine, 1001 West 10th Street, OPW 425, INDIANA 46202. FAX: 317-630-6386. An Equal Opportunity Employer.

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE position available immediately to investigate mechanisms of oxidant-mediated cell injury. A doctorate in biochemistry, biophysics, physiology, or related discipline is required. Experience with ion-sensitive fluorophores, molecular biology, or signal transduction mechanisms is desirable. Send curriculum vitae and names of three references to: Dr. Mark H. Naylor, University of California, San Diego, 95410-0544. The University of California, San Francisco is an Equal Opportunity Employer.

POSTDOCTORAL FELLOW—Ph.D. in biological sciences. Training in general laboratory procedures, including tissue culture, use of radioactive tracers, immunoprecipitation; protein purification; column chromatography; and enzyme/protein kinase assays. $31,990/yr. Send curriculum vitae and references to: Dr. Joel Tabas, Department of Medicine, Columbia University, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW. Position available spring 1995 to conduct research on the role of macrophages in atherosclerosis using molecular biological and transgenic mouse techniques. Experience in molecular biology necessary. Must be U.S. citizen or permanent resident. Send curriculum vitae and references to: Dr. J. Tabas, Department of Medicine, Columbia University, New York, NY 10032. Columbia University is an Equal Opportunity/Affirmative Action Employer.

RESEARCH SCIENTIST BIOPHYSICS/CARDIOLOGY

Studies biophysical principles in cardiovascular applications; conducts research on effects of pharmacologic agents on heart and vascular functions; uses ischemic heart models to study mechanism of myocardial ischemic and reperfusion injuries; investigates mechanism of action of pharmaceuticals using canine and human ESR spectroscopy with nitroxide spin labels; uses spin trapping technique to measure free radicals in heart tissue; investigates role of generation of reactive oxides in vascular relaxation and myocardial protection; studies myocardial injury mechanisms by applying in vivo ESR and whole heart ESR loop-gap resonators; analyzes and develops new biophysical models; provides specific training, education and training/or experience must have included the following duties described above. 40 hours per week; $35,000 per year. Submit two copies of resume, evidence of area and references. Send resume and references to: Mr. Robert Osterkils, Jobs, Employment and Training Services, 201 East Washington Avenue, Room 211X, Madison, WI 53702.

PROJECT DIRECTOR

High-Throughput Automated DNA Sequencer R&D

Third Wave Technologies, a leading new biotechnology company, is seeking an experienced and motivated Ph.D. to manage development of novel research and instrumentation for research and clinical applications. Third Wave is actively seeking a PROJECT DIRECTOR to guide the technical team in the development of a high-throughput, fully automated DNA sequence analysis system. A Ph.D. or equivalent, supervisory experience, strong communication skills and a proven track-record of innovation are required. Industry experience is preferred. Our comprehensive salary and benefits package includes a stock option plan. For confidential consideration, mail or FAX curriculum vitae to: Third Wave Technologies, Inc., Attention: SEQ, 2800 South Fish Hatchery Road, Madison, WI 53711. FAX: 608-273-6989.

CLINICAL APPLICATIONS CELL BIOLOGIST—University of California at San Diego/Gene Therapy Program. The Director of the Clinical Applications Laboratory, will be responsible for developing/coordinating large multidisciplinary projects; contributing to gene delivery protocols and developing methodologies to transition research into clinical grade processes and products. Requires Ph.D. in Biological Sciences or equivalent combination of education/experience/knowledge of the field to contribute to originality/innovation in research results. Prefer working knowledge of process engineering and the appropriate application of computerized, statistical tools in the biological/physical sciences. Supervisory skills desirable. Salary commensurate with experience. Apply by February 27, 1995, referencing Job Code 95-0960, to: Resource, 10280 North Torrey Pines Road, Suite 266, La Jolla, CA 92039-0967. Affirmative Action/Equal Opportunity Employer.

ANIMAL COMMUNITY ECOLOGIST

EVERGLADES NATIONAL PARK

South Florida Natural Resources Center

The position of Animal Community Ecologist at Everglades National Park, South Florida Natural Resources Center will be advertised in the near future. This is a permanent position, GS12/13, salary range $40,298 to $62,298. Non-federal government employees may apply. This position involves responsibility for the design, management and implementation of a broad scientific program within a resource framework that will assist park management in understanding the ecological functioning of key terrestrial and aquatic species. Experience in quantitative data analysis, including term series methods and computer model implementation is preferred. For information, contact South Florida Natural Resources Center at 305-242-7800.

RESEARCH PROGRAM MANAGER, Center for X-ray Lithography, University of Wisconsin-Madison

Manage/coordinate day-to-day research operations of Center for X-ray Lithography, coordinating research team and work, budget, procurement, and staff management; patent administration. Minimum baccalaureate in physical sciences or engineering and minimum 2 years technical experience in an industrial, governmental, or university laboratory setting. Reply by February 13, 1995, to: J. W. H. University of Wisconsin-Madison, X-ray Lithography, UW-Madison, 3731 Schneider Drive, Stoughton, WI 53589-3097. The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer.
THE CENTER FOR ENVIRONMENTAL RESEARCH AND CONSERVATION
COLUMBIA UNIVERSITY

CERC, a consortium program of Columbia University, The American Museum of Natural History, The New York Botanical Garden, The Wildlife Conservation Society, and Wildlife Preservation Trust International, announces the establishment of seven new faculty positions in the areas of organismal biology, public health, ethno-environmental science, and environmental economics. The CERC is a new multidisciplinary institute aimed at promoting education, training, and research in biodiversity conservation by integrating the knowledge and methods of both the biological and social sciences.

Appointments to CERC will be joint with a relevant department at Columbia and will be five-year term positions at the Assistant Professor level. Each candidate is expected to teach at least one core course in the undergraduate or graduate curriculum of CERC as well as seminars in his/her area of specialty as it relates to conservation and biodiversity studies. Each candidate is also expected to maintain a vigorous research program supported by extramural funding. A willingness to develop integrative and multidisciplinary research and teaching is essential.

For terms beginning with the academic year 1995-96, applications are invited in the following fields:

Public Health/Environmental Science: CERC and the Division of Environmental Sciences, School of Public Health, seek a scientist with research and teaching activities focused on the interactions between population biology and/or ecology and public health. We are particularly interested in candidates whose research centers on the associations between the loss of animal and/or plant species and environmental quality.

Environmental Economics: CERC and the School of International and Public Affairs seek an economist with demonstrated expertise in issues of sustainable economic development. In particular, we seek candidates with a research focus on analyses of long-term costs and benefits of sustainable agricultural practices and/or analyses of the economic value of maintaining biodiversity in both fragile and non-fragile ecosystems.

Ethno-environmental Science: CERC and the Department of Anthropology seek an ethnobotanist, ethnologist, or other ethno-environmental scientist who studies the relationship between people and either plants or animals. This can include, but is not necessarily limited to, studies of how people manage the biological resources in their environment; the production and consumption of foods, medicines, and domestic and wild animals; and the marketing and economic evaluation of non-timber forest products.

All appointments will be effective July 1, 1995. Please submit a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Dr. Don J. McInchick, Director, Center for Environmental Research and Conservation, Columbia University, 405 Low Library, New York, NY 10027. Priority will be given to applications received by February 15, 1995.

Columbia University is an equal opportunity/affirmative action employer and strongly encourages applications from women and minorities.
The Cancer Research Institute is announcing the availability of its Clinical Investigator Award to support qualified scientists working in the field of clinical immunology. The award is $50,000 per year for 4 years and may be used at the recipient's discretion for salary, technical assistance, supplies, or capital equipment. The Cancer Research Institute does not provide funds for indirect costs. The deadline for receiving applications is March 1, 1995. Funding for the Clinical Investigator Awards will commence on July 1, 1995.

Candidates must hold a doctoral degree and be a tenure-track Assistant Professor at the time of award activation. The Institute has no citizen restrictions, and research supported by the award may be conducted at non-profit medical schools and research centers in the United States or abroad.

For application details, please contact:
Ms. Lynne Harmer, Grants Administrator
Cancer Research Institute
681 Fifth Avenue
New York, NY 10022-4209
Phone: 212-688-7515 Fax: 212-832-9376

The Research Triangle Institute (RTI) has openings for individuals with supervisory experience in:
- Xenobiotic Metabolism and Pharmacokinetics
- Nose-only Inhalation Metabolism.

A Ph.D. in chemistry, pharmacology, or closely related discipline; thorough theoretical understanding and excellent laboratory, communication (oral and written) and collaborative/personal relationship skills are required.

The successful candidate will be involved in all aspects of research programs including design of studies, supervision/conduct of the research, organization/interpretation of data, and preparation of research reports and manuscripts.

RTI offers a scientifically stimulating environment in a multidisciplinary research organization. Ongoing programs in organic, bioorganic and medicinal chemistry, toxicology and life sciences offer opportunities for collaborative research. The Research Triangle Park is noted for both its science and its quality of life.

Please send your resume, a description of your pertinent experience and research goals, and the names of 3 references to:

Research Triangle Institute
Office of Human Resources (BOC-H)
P.O. Box 12194
RTP, NC 27709.

An Equal Opportunity/Affirmative Action Employer (M/F/IV)

The University of Massachusetts Amherst announces 2 new postdoctoral lectureships in organismic and evolutionary biology. More than 60 faculty members in 10 departments are committed to the study of organismic and evolutionary biology, offering unique training and research opportunities for recent Ph.D.'s. Our 2-year lecture/research positions allow independent research with a faculty member and experience developing and teaching a 1-semester course in evolution, genetics, ecology or comparative anatomy. 1st year salary: $20,000. 2nd year salary: $25,000. To apply, send: CV; 3 letters of reference; 1-page description of course you propose teaching; 1-page proposal of your independent research; and letter of support from your proposed UMass Amherst faculty sponsor. Call 413-545-0928 for a list of faculty research interests and more information. Send materials to:

Darwin Fellows, Morrill Science Center
University of Massachusetts Amherst
Amherst, MA 01003-5810

Application review begins: 3/15/95
Interviews begin: 4/15/95
Positions remain open until successful candidates are selected. Start date: 9/1/95

The University of Massachusetts Amherst is an Affirmative Action/Equal Opportunity Employer

The School of medicine of the University of North Dakota and NRI, an independent neuroscience research institute, invite applications for the joint position of chairperson of the Department of Neuroscience and President of NRI.

The Department of Neuroscience, with a tradition of excellence in undergraduate and graduate medical education, includes divisions of behavioral science and psychiatry, neurology, neuropsychiatry and neuroendocrinology, and operates a fully accredited four-year psychiatry residency program.

NRI is an independent research institute with an Association Agreement with the School of Medicine and a mission to conduct and foster research in the neurosciences.

The position requires an individual with established skill in medical education and administration, and a demonstrated commitment to research. Board certification in a neuroscience discipline with five years of academic and clinical experience in the specialty are necessary. The candidate should be eligible for appointment as professor. Excellent opportunities for the development of basic and clinical research activity in the neurosciences are available. Salary and fringe benefits are competitive.

Those interested in applying for the position should send their complete cv to: Dr. Thomas E. Norris, Chair of the Search Committee, School of Medicine, University of North Dakota, P.O. Box 9037, Grand Forks, North Dakota, 58202-9037. Nomination consisting of name, telephone number and address should be sent to Dr. Norris. Review of applications will begin upon receipt. Applications should be submitted prior to February 28, 1995.

The University of North Dakota and NRI are equal opportunity/affirmative action institutions.
NeXagen is a Boulder, CO based biotechnology company leading the discovery and development of novel oligonucleotide-based therapeutic agents for the treatment of several major diseases. Recently, we announced our intention to merge with Vestar, Inc. of San Dimas, CA. The new company, to be named NeXstar Pharmaceuticals, will be a fully integrated pharmaceutical firm with exciting potential for the future. NeXstar will have product sales of over $40 million, a proven clinical and product development capability, and a fundamental and patent protected drug discovery technology. We are currently seeking a Senior Pharmacologist to join our team in Boulder.

MOLECULAR PHARMACOLOGIST

We are seeking a Senior Pharmacologist with training and experience in the areas of in vitro and molecular pharmacology. Candidates should have a Ph.D. and extensive experience in tissue culture techniques. Experience in development of cell-based assay systems designed to detect activation of intracellular signaling pathways is highly desirable. Responsibilities will include supervision of a tissue culture laboratory and collaboration with other scientists to develop cell-based in vitro assays for assessment of bioactivity associated with specifically evolved oligonucleotide compounds.

NeXagen offers a competitive salary and benefits package. Interested candidates may submit their resume and cover letter to: Human Resources - Position 158,

NeXagen, Inc.
2860 Wilderness Place
Suite 200
Boulder, CO 80301

NeXagen is an Equal Opportunity Employer

MOLECULAR TOOL, INC.

Molecular Tool is a biotechnology company located in Baltimore, Maryland committed to the development and commercialization of highly integrated, DNA-based systems for the analysis of genetic variations

GROUP LEADER. The company has an opening for a Group Leader in core technology. Candidates must have a Ph.D. in biochemistry or molecular biology and experience in managing an interdisciplinary team of Ph.D. and MS level scientists. The selected candidate will be expected to develop and maintain independent research projects related to the analysis of genetic polymorphisms.

BIOCHEMIST/MOLECULAR BIOLOGIST. Molecular Tool also has an exciting opportunity for a Ph.D. Biochemist with 0-2 years postdoctoral training to join its technology development group. Candidates must have a Ph.D. in biochemistry or a related field and experience in nucleic acid biochemistry and enzymology. Postdoctoral research experience in DNA polymerases is a plus. The selected candidate will work with a multidisciplinary team on the development and implementation of DNA diagnostic products.

Situated on the Hopkins Bayview Research Campus, Molecular Tool provides a stimulating scientific environment which encourages individual initiative and creative thinking. We also offer competitive salary and benefits packages. Interested candidates should send a resume together with the names of three professional references to Human Resources, Molecular Tool, Inc., Alpha Center, 5210 Eastern Avenue, Baltimore, MD 21224. No phone calls please.

Microscope Applications
Experts for Sales & Market Development

If you know microscopes - especially applications in light microscopy - then you are invited to contact Edge, inventors of Multiple Oblique™ illumination with real-time 3D imaging. This breakthrough technology is behind the Edge® R-400 microscope and additional exciting products to come. We are seeking applications experts for sales positions in the U.S. We appreciate selling experience, but place more emphasis on your knowledge of biological & materials applications for light microscopes. Our team includes in-house and outside sales professionals as well as degree researchers. Edge is the only American manufacturer of light microscopes.

Contact Linda Wagner during Pacific Time business hours at (800) 597-EDGE or (310) 396-9333, or fax (310) 396-9003.
Two tenure-track Faculty positions are available and will be well supported

Young investigators (Ph.D., M.D., or M.D./Ph.D.) who have a record of productive research experience and who are interested in any aspect of Human Genetics are encouraged to contact Dr. L. Luzzatto, Chairman of the Department of Human Genetics, MSKCC, Box 110, 1275 York Avenue, New York, NY 10021, USA (Fax number 212-717-3374 and telephone number 212-639-6165). Please supply full curriculum vitae, bibliography, a statement of research intent, and the names of three academic referees. Response to applications will be prompt.

MSKCC is an Equal Opportunity/Affirmative Action Employer

The University of Houston invites nominations and applications for the position of Vice Provost for Research and Graduate Studies. The creation of this position reflects the University’s strong and continuing commitment to being a premier research university. We are seeking an individual who will be the strongest possible advocate for research, both within the university and before external agencies, foundations, and industrial concerns. The major responsibility of the Vice Provost is to provide leadership for the research community, and includes the formulation and implementation of all campus-based research policies, as well as their integration with our graduate programs. The position involves substantial budgetary responsibility.

The Vice Provost will be expected to foster interactions and joint efforts with industry, stimulate novel research initiatives, and encourage fruitful collaboration among academic units. Candidates for this position must therefore have a working knowledge of funding sources, including industrial and corporate sources, and be familiar with the national research infrastructure. Demonstrated leadership abilities are expected as well. The Vice Provost for Research and Graduate Studies will thus play a major role in propelling the University of Houston into the ranks of the nation’s best research universities.

The Vice Provost, in conjunction with the deans, will also be responsible for enhancing the quality and effectiveness of graduate-level teaching and research and for providing the vision and direction needed to develop new programs.

Candidates must have an earned doctorate, a record of achievement in research, and direct experience in the administration of research. Knowledge of trends and opportunities influencing research, as well as demonstrated success in securing extramural funds, are essential.

The search committee will begin reviewing applications and nominations on February 15, 1995. The search will remain open until the position is filled. The desired date of appointment is July, 1995. Letters of application, including a letter detailing qualifications for the position, should be forwarded to:

Professor James L. Gibson, Chair
Vice Provost for Research and Graduate Studies
University of Houston
Houston, Texas 77204-2162

The University of Houston is the major university serving the country’s fourth largest city, and is made up of fourteen colleges and more than 40 research centers/institutes. The University has a comprehensive graduate program in the arts and sciences, as well as the nation’s strongest and most comprehensive engineering program. The University also has three professional schools—the School of Law, the School of Medicine, and the School of Social Work.

The University is located in a culturally diverse, rapidly growing metropolitan area with more than 2 million residents and access to the cultural resources of a major urban center.

The Albany College of Pharmacy invites nominations and applications for the position of Associate Dean for Academic Affairs.

The Associate Dean for Academic Affairs reports to the President and provides leadership in all matters relating to the baccalaureate program and the post-baccalaureate Doctor of Pharmacy program and the six year entry-level program currently in development. The responsibilities of the Associate Dean include curriculum development and maintenance; faculty recruitment and development; fiscal management of Department budgets; supervision of research efforts; program evaluation of instruction; and the day-to-day operation of the instructional aspects of the College.

The successful candidate should possess an earned doctorate, preferably in the pharmaceutical sciences, with significant academic and administrative experience. The candidate should have a record of strong contributions to the continuing development of quality educational programs in the College.

An equal opportunity/affirmative action employer.

POSTDOCTORAL TRAINING PROGRAM IN THE PHYSIOLOGY OF REPRODUCTION

The Center for Reproductive Physiology at the University of Pittsburgh School of Medicine has positions available for postdoctoral fellows (Ph.D. and/or M.D.) to obtain two years of advanced training in the study of the cell biology and physiology of reproduction in higher primates and other mammals. The program, which is supported by an Institutional National Research Service Award (NIH), is directed by a steering committee comprising both basic and clinical scientists involved in training faculty and their research interests include: J.A. Amico - oxytocin gene expression and secretion; B.J. Attardi - gonadotropin mRNA regulation; S.L. Berga - neuropeptide control of human reproduction; J.L. Cameron - metabolic determinants of GnRH pulsatility; D.B. DeFranco - molecular biology of steroid hormone receptor regulation; J.A. DeLoia - molecular analysis of early mamalian development; D.S. Guzick - models of human reproduction and its disorders; G.E. Hoffman - cellular analysis of hypothalamic RF systems; E.S. Levan - cell biology of pituitary hormone secretion; G.R. Marshall - spermatogenesis; M.K. McLaughlin - ovarian hormones and the cardiovascular system; T.M. Plant - inhibin and neurobiology of primate puberty; S.M. Pomerantz - endocrine control of behavior; K.D. Rauck - ovarian and female puberty; T.G. Sherman - regulation of neuroepithelium gene regulation; S.J. Winters - neuropeptide control of the testis; A.J. Zelenik - cell biology of the primate ovary.

Candidiates must meet NRSA US citizenship and residency requirements. Address curriculum vitae, and names of three referees to: Tony M. Plant, Ph.D., Director, Center for Research in Reproductive Physiology, Department of Cell Biology and Physiology, University of Pittsburgh School of Medicine, W1451 Biomedical Science Tower, Pittsburgh, PA 15261.

Chair, Department of Medical Sciences
School of Veterinary Medicine
University of Wisconsin-Madison

The School of Veterinary Medicine, University of Wisconsin-Madison, invites applications and nominations for the position of Chair of the Department of Medical Sciences. The DVM or equivalent degree is strongly preferred, in addition to advanced degree, clinical specialty board certification, and demonstrated administrative skills are desired. Candidates should have an outstanding record in teaching and research and a record of accomplishment which will qualify them for appointment at the rank of Associate or full Professor, with tenure. The School of Veterinary Medicine is located on the campus of the University of Wisconsin in close proximity to outstanding programs in the biological sciences and other disciplines within the College of Agricultural and Life Sciences, School of Medicine, School of Pharmacy, School of Nursing and School of Engineering. The Department of Medical Sciences is comprised of 22 full time faculty, three faculty associates, and ten residents. These faculty and residents are distributed among the disciplines of Large Animal Medicine, Food Animal Production Medicine, Veterinary Pathology, and Small Animal Medicine (including subspecialties in Dermatology, Internal Medicine/Cardiology, Neurology, and Oncology). Salary will be commensurate with qualifications and experience. Applications should include a statement of interest, curriculum vitae, and the names of four references and should be sent to: Dr. Dale Bjoring, Chair, Search Committee, School of Veterinary Medicine, University of Wisconsin-Madison, 2015 Linden Drive West, Madison, WI 53706, Telephone (608)263-4908; FAX (608)263-6573. The closing date for receipt of applications is April 1, 1995. Unless confidentiality is requested in writing, information regarding applicants and nominees must be released upon request. By state law, names of finalists for this position are a matter of public record. The University of Wisconsin-Madison is an equal opportunity/affirmative action employer.

The Albany College of Pharmacy is an Equal Opportunity Employer.
ANTIMICROBIAL PEPTIDE DEVELOPMENT

IntraBiotics is a young biopharmaceutical company addressing the crisis in infectious disease caused by resistance of pathogens to existing antimicrobials. The company’s mission is to develop novel, peptide antimicrobials active against a broad range of bacteria and fungi. Openings exist for Director, Scientist and Research Associate positions in the following areas:

**Microbiology:** Responsible for identification and evaluation of product candidates for *in vitro* efficacy and cytotoxicity. **Requirements:** Director/Scientist positions: Ph.D. Microbiology and significant industry experience in anti-microbial research and development. RA positions: BS or MS in Microbiology with relevant work experience.

**Pharmacology/Toxicology:** Responsible for design and execution of program of *in vivo* efficacy and toxicity testing and pharmacokinetic analysis. **Requirements:** Director position: Ph.D. Biological Sciences, with industry experience in anti-infectives, monitoring contract studies, and knowledge of FDA requirements.

**Product Development/Peptide Chemistry:** Responsible for production and characterization of peptide antimicrobials, development of analytical methods, and design and analysis of congeners. **Requirements:** Director/Scientist positions: Ph.D. Protein Chemistry or Biochemistry with industrial research and development experience in peptide chemistry. RA positions: BS or MS degrees with relevant work experience.

**Formulation Development:** Responsible for development of systemic and topical formulations. **Requirements:** Director/Scientist positions: Ph.D. Chemistry or Biochemistry, and industrial experience in peptide and/or protein formulations. RA positions: BS or MS in Chemistry with relevant work experience.

The successful candidates will have strong motivation to transfer their substantial experience to the rapidly changing environment of a start-up company. The ability to work effectively as part of an interdisciplinary team is key to all positions. The company offers significant equity participation and competitive salaries and benefits.

Please send CVs in confidence to: Human Resources-SCIad, IntraBiotics Pharmaceuticals, Inc., 490 San Antonio Road, Palo Alto, CA 94306.
POSTDOCTORAL POSITIONS
National Institute of Allergy
and Infectious Diseases
National Institutes of Health
Announcement No.: PA-14

Postdoctoral Positions are available to study antigen processing/MHC recognition and NK recognition; structure/function of integrins; γδ T cells; and transcription factors of immune relevance. Applicants must have less than three years of postdoctoral experience. Salary range $25,000 to $30,000, depending on experience.

Qualified and interested candidates should send curriculum vitae and names and addresses of three (3) references to:

John E. Coligan, Ph.D.
Chief, Laboratory of Molecular Structure
National Institute of Allergy and Infectious Diseases
National Institutes of Health
Twinbrook II
12441 Parklawn Drive, Room 103
Rockville, MD 20852-1727

(301) 496-3213 phone
(301) 402-0284 fax

“NIH is an Equal Opportunity Employer”

CHIEF SCIENTIST

The Department of Energy’s Office of Civilian Radioactive Waste Management is seeking an outstanding individual to serve in a Senior Level position, as Chief Scientist for our Project Office in Las Vegas, Nevada. The Chief Scientist will serve as senior scientific and technical advisor for the Yucca Mountain Site Characterization Project and the Director, Office of Civilian Radioactive Waste Management on matters directly related to the characterization of the Yucca Mountain Site, overseeing scientific activities, and reviewing and evaluating technical recommendations and site suitability evaluations for Yucca Mountain.

A bachelor’s degree or equivalent in physical science, engineering or mathematics which includes at least 24 semester hours in the physical or engineering sciences field such as mechanics, dynamics, properties of materials and electronics, is required. An advanced degree is preferable. Candidate must have extensive specialized experience related to the conduct of scientific investigations in support of complex radioactive waste management programs of national significance.

The salary range for this position is from $82,401 to $119,275. Anyone interested in applying should contact Che McKittrick at (202) 586-3990 and request Announcement No. ERD 94-03A SER or obtain information on how to apply. Application must be postmarked by March 15, 1995.

The Department of Energy is an equal opportunity employer.

Wasting Disorders:
Molecular and Clinical Aspects
February 23–26, 1995
Bonaventure Resort and Spa
Fort Lauderdale, Florida

This symposium will provide a current review for the basic scientist and clinician interested in the development and management of malnutrition. The symposium will examine the maintenance and loss of nutritional homeostasis from the point of view of the organism, the organ, the cell, and the molecule.

Invited Speakers:

Bruce Bistrian
William J. Evans
Steven Heymsfield
Kent Lundholm
Mirtlam E. Nelson
Michael J. Rennie
Hans P. Sauerwein
Robert R. Wolfe

Joseph Brozek
Carl Grunfeld (Chair)
Gerald T. Keusch
Dwight E. Matthews
Maxine Papadakos
Irwin Rosenberg
Morris Schambelan
Vernon Young

Peter Durie
Mark Hellarstein
Donald P. Kotler (Chair)
Lyle Moldower
F. Xavier Pi-Sunyer
Ronenn Roubenoff
Jamie Von Roenn
Thomas Ziegler

Submission of abstracts for posters is encouraged. For more information regarding brochures, registration and poster abstract forms, please contact:

Leslie Nies, Serono Symposia, USA
100 Longwater Circle, Norwell, MA 02061
Tel: 800-283-8088 or 617-982-9000
FAX 617-982-9481

U.S. NUCLEAR REGULATORY COMMISSION
An equal opportunity employer, M/F/D/V
U.S. citizenship required

Members, Advisory Committee
On Nuclear Waste (ACNW)
$444.96 per day for a maximum
of 50-100 days per year

The U.S. Nuclear Regulatory Commission is expecting openings in 1995 for ACNW members at its headquarters in Rockville, MD. A variety of engineering and scientific disciplines are needed to conduct the broadly based review process required in the Committee’s work. Engineers and scientists with practical experience (a minimum of 20 years work experience) in high-or low-level radioactive disposal programs coupled with broad experience in a pertinent technical field such as engineering, nuclear science and technology, risk assessment, or systems engineering are highly sought.

St. Jude Children’s Research Hospital, (Danny Thomas, Founder), a premier center for biomedical investigation, is accepting applications for Chairperson of the Infectious Diseases Department. This individual will be expected to direct an internationally competitive research program with emphasis on the molecular pathogenesis of infectious diseases. The department currently has eleven faculty positions and 8,000 square feet of committed space. An active AIDS clinical trials unit and a consulting service for infections in the immunocompromised patient are in place. Our center has well-established research programs in virology, immunology, biochemistry, genetics, gene therapy, molecular pharmacology, pharmaceutical sciences, tumor cell biology, experimental oncology, bone marrow transplantation and experimental hematology. Applications are encouraged from physicians trained in pediatric infectious diseases and from internists with the appropriate subspecialty certification.

Applicants should submit a curriculum vitae and the names and addresses of four references to:

A. Thomas Look, M.D.
Chairman,
Department of Experimental Oncology
St. Jude Children’s Research Hospital
332 N. Lauderdale
Memphis, TN 38105
Telephone: 901-522-0514
Fax: 901-531-2032

St. Jude Children’s Research Hospital is an equal opportunity employer.

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Molecular Virologist

Pro-Virus Inc., a new gene therapy company, is seeking a molecular virologist to head its Core Vector Laboratory. The successful candidate will have the opportunity to participate in the assembly and development of this laboratory. This individual should have a Ph.D. in a biological science and five years post doctoral experience in molecular virology. Direct experience in the construction and evaluation of recombinant viral vectors for gene therapy is essential. Specific experience with adenoviral, retroviral, and/or parvoviral vectors is preferred.

Research Positions

Pro-Virus, Inc., a newly formed gene therapy company, is seeking highly motivated and skilled people to work in our Virology Laboratory. Positions are available for candidates at the BS/MS level in the biological sciences with 3-5 years of laboratory experience. Individuals with experience in some or all of the following areas are encouraged to apply: molecular virology, viral vector construction, mammalian cell culture, virus production and purification, and viral/immunologic assays. Industrial experience is a plus.

Please send resume and salary information to: Pro-Virus, Inc., 1530 East Jefferson Street, Rockville, Maryland 20852, Attn: CH

Pro-Virus, Inc.
An Equal Opportunity Employer

Molecular Biologist

National Institutes of Health

Molecular Biologist needed with experience in cloning, sequencing, and expression of rotavirus genes. Also required is experience in the structure-function analysis of rotavirus proteins and elucidation of the role of individual rotavirus proteins in virus replication and morphogenesis. This is a tenured position. Position targeted for EEO recruitment efforts. U.S. citizenship required.

Salary range: $51,557 to $67,021

Qualified and interested scientists should send their curriculum vitae and names and addresses of three (3) references to: Joann Martin, NIH, Bldg 31, Room 7A27, 9000 Rockville Pike, Bethesda, MD 20892; Fax: (301) 496-1940

Applications will be accepted for two weeks only after the last publication.

NIH is an Equal Opportunity Employer
Careers in Biotechnology and Pharmaceuticals: Beyond Discovery
17 March 1995

On 17 March, Science will publish a special advertising section titled Careers in Biotechnology and Pharmaceuticals: Beyond Discovery - Science Careers Up and Down the Production Stream. This is a popular annual advertising section dedicated to biopharmaceutical employment matters with bonus distribution to two U.S. job fairs, one on each coast. This section will explore the exciting next phase of the biotech industry. It will look at how the manufacturing, regulatory, and service sectors of the modern biopharmaceutical company are growing, and it will highlight career paths in areas such as:

- Clinical Trials
- Research and Development
- Regulatory Affairs
- Quality Assurance and Quality Control
- Production and Manufacturing
- Formulations and Chemistry
- Validation

Careers in Biotechnology and Pharmaceuticals: Beyond Discovery is a "must-read" section for scientists at every level. Don't miss this chance to be part of one of the biggest and most industry-relevant advertising sections of the year!

Job Fair Bonus Distributions
This highly visible issue will be distributed at two job fairs:
- Biotech/Pharmaceutical Job Fair, 24-25 March, La Jolla, California.
- Biotech/Pharmaceutical Job Fair, 28-29 April, Cambridge, Massachusetts.

Benefits of Full Page Advertisements
This section is an excellent opportunity for full page advertisers to get extra attention. Full page recruitment advertisements in the 17 March issue will receive placement throughout this career-related special advertising section. Names of the companies or institutions placing full page advertisements will be listed on an index affixed to the covers of the magazines distributed at the job fairs.

Advertising space reservation deadline: 28 February 1995

To advertise, call:
In the U.S., Janis Crowley at (212) 496-7704 or fax to (202) 682-0816.
In Europe, Gordon Clark at (+44) 01223 302 067 or fax to (+44) 01223 302 068.
The Faculty of Science at Kuwait University seeks qualified candidates in Botany and Microbiology (Applied Microbiology - with experience in environmental aspects; Molecular Biology - with research experience in micro-organisms; Micro Genetics - molecular genetics of Eukaryotic micro-organisms; Plant Pathology - fungal/plant diseases and host parasite relationships; Plant fine structure and Anatomy; Phycology; Plant Ecology - vegetation ecology; Plant Physiology - growth hormones and regulators) with a strong commitment to high quality teaching and research for appointment at the positions of Associate Professor and Assistant Professor.

**Required Qualifications:** Ph.D. or its equivalent in the required area; research experience and publications; University teaching experience; excellent knowledge of English.

**Kuwait University offers:** TAX FREE Salary (approximate ranges: Associate Professor - KD 875 - 1035 and Assistant Professor - KD 680 - 840) depending on years of experience and number of accompanying dependents (spouses and children under 18). (1 KD equivalent to approximately US$3.50). Fringe benefits include furnished air-conditioned accommodations, annual air tickets, free National Health Medical Care, paid mid-term holidays and summer vacations and gratuity. New appointees can apply for financial support for approved research projects. Excellent academic environment.

Contracts effective from September 1995 for a two year initial period.

Application should be accompanied by a complete C.V. including mailing address, phone, fax and e-mail; academic qualifications, teaching, research and professional/work experience, and list of publications in professional journals; names and addresses of three persons well-acquainted with the academic and professional work of the applicant. An English translation of all documents in other languages should be enclosed. For appointment to the position of Assistant Professor, a very good performance in the B.Sc. is required (minimum GPA 3 points of 4). Please send copies of all transcripts.

Applications may be obtained from:

Kuwait University Office  
3500 International Dr. NW  
Washington, DC 20008  
Phone (202)363-8055

**Applications should be sent by express mail/courier service to:**

The Dean, Faculty of Science  
Kuwait University  
PO Box 5969  
Safat 13060  
Kuwait

For inquiries use: Fax (965) 4836127; E-Mail SINNO@KUC01.EDU.KW.

Closing date for receipt of applications: January 31, 1995.
**The United Arab Emirates University**  
**Faculty of Science**  
**Department of Biology**

The Department of Biology at the UAE University invites applications for a faculty position in the following areas: 1. Plant Ecology (Biodiversity in the ecosystem, population dynamics), 2. Cell Biology (Molecular level), 3. Molecular Biology (Tissue culture), 4. Plant Physiology (Desert ecology), 5. Developmental Biology, 6. Marine Biology (Invertebrates). 7. Parasitology, 8. Genetics. Candidates must have a Ph.D. and demonstrate interest and potential for excellence in both teaching and research. Excellent command of Arabic and English languages is required. Applications should be received prior to January 15, 1995. Send resume with three references and letter of application to: Secretary General, The UAE University, P.O. Box: 15551, Al Ain, United Arab Emirates, Fax #: (971-3)-645277. 

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**Global Career Opportunities**

**Lecturer in Eukaryotic Molecular Genetics**

Department of Microbiology and Genetics, (3 Year Contract)

You will be expected to contribute to both the undergraduate and postgraduate teaching programme in Molecular Genetics, and to develop a strong research programme. Applications are encouraged from persons with expertise in the Molecular Genetics of higher eukaryotes. The Department of Microbiology and Genetics is well equipped for research in Molecular Genetics and has strong links with other Departments within the School of Biological Sciences and with AgResearch, HortResearch and the NZ Dairy Research Institute. You should have a PhD plus postdoctoral experience in Molecular Genetics. Enquiries of an academic nature should be directed to Professor Barry Scott, telephone 64-6-350 4033, facsimile 64-6-350 5637 or e-mail D.B.Scott@massey.ac.nz. Reference number Sci 116/94 must be quoted. Closing date: 31 January 1995.

As a condition of application the University reserves the right to make enquiries of any person regarding an applicant’s suitability for appointment. It also reserves the right not to make an appointment or to appoint by invitation.

An information package including Conditions of Appointment is obtainable by telephoning 64-6-356 9099 extension 7318. Applications, including a full curriculum vitae and the names, addresses and fax numbers of three referees should be sent to Mrs V B Bretherton, Personnel Section before the closing date specified.

Equality of opportunity is University policy.

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**The International Livestock Research Institute (ILRI)**

**Positions available**

ILRI is a newly established research Institute, with a global mandate for the advancement of research on animal productivity in developing countries. ILRI is sponsored by the Consultative Group on International Agricultural Research (CGIAR), which supports sixteen international agricultural research centres worldwide. ILRI combines the priorities set out in the programs previously conducted by the International Laboratory for Research on Animal Diseases (ILRAD) and the International Livestock Centre for Africa (ILCA) with additional research activities designed to enhance the role of livestock in sustainable agricultural production systems globally.

The following positions are available at the ILRI site in Nairobi.

**Immunologist-SC/95/1**

An experienced immunologist is required for a senior position in the trypanosomiasis program. The successful candidate will provide leadership to a group of scientists and their technical support staff with active projects on regulation of bovine immune cell functions as they relate to control of parasitaemia and genetically mediated disease resistance. The group is able to capitalize on the opportunities provided by comparisons of responses to infection in cattle of resistant and susceptible genotypes and also in a crossbred trypanotolerance resource population segregating disease resistance. The successful applicant will have a first degree in an appropriate biological science and a PhD with at least 5 years postdoctoral experience in an area of contemporary immunology. Experience in molecular immunology, particularly in terms of cytokine function, is essential. Experience in immunology of haemoproteozoan infections of mammals would be an advantage. The successful candidate will have a strong record of research team leadership and good interpersonal and communication skills.

**Molecular Geneticist-PD/95/1**

A molecular geneticist is required at post doctoral level to join a group investigating the genetic basis of resistance to infectious disease in livestock with emphasis on trypanosomiasis and helminthiasis. The scientist appointed will assist the group in ongoing efforts to develop linkage maps of ruminant genomes, and in application of markers in disease resistance research families with the objective of identifying controlling genetic regions. The scientist will share the support of a small group of technologist with others in the molecular genetics team. Appropriate applicants will be young scientists with an interest in genetic control of quantitative traits, and will have a first degree in molecular sciences and a PhD degree awarded in the previous three years in an area of genetics. The successful applicant will have a strong background in modern molecular genome analysis and computerized data analysis techniques. Familiarity with quantitative trait loci (QTL) analysis software and its application would be advantageous.

These are international staff positions and salary will be paid in US dollars. Relocation, housing, communication and education allowances are paid, in addition to medical and retirement benefits.

 Applicants should send a statement of research interests, curriculum vitae and names and addresses of three referees to: The Director General, ILRI, P.O. Box 30709, Nairobi, Kenya. Informal enquiries may be addressed to Dr. Alan Teale tel. +254-2-630743, fax +254-2-631499, E-mail tealea@ilrad.msn.com. Applications should be received before February 14th, 1995 and only applicants who reach the final shortlist will be contacted.

ILRI is an equal opportunity employer.
**FACULTY OF SCIENCE AND ENGINEERING**

**PROFESSOR OF BIOLOGY**

**MARINE BIOLOGY**

A$80 176 pa

Ref 94168N. The University is seeking an outstanding scholar with a distinguished research record for the Chair of Biology (Marine Biology) in the School of Biological Sciences in the Faculty of Science and Engineering.

Biological Sciences forms a single department School, allowing co-operation in teaching and research across traditional departmental boundaries. The Faculty is investing considerably in marine biology, recently appointing three junior staff and building an on campus aquarium, establishing a marine science station in the heart of the South Australian fishing industry at Port Lincoln, and developing a joint course in Aquaculture with TAFE. The University has appointed a new chair in Microbiology, to start in July 1995, with marine interests. The Faculty also contains a School of Earth Sciences, with a strong oceanography group, as well as the National Tidal Facility. Given the proximity of the southern ocean and the high levels of marine biodiversity and endemism in the region, South Australia offers exciting opportunities in Marine Biology.

The appointee should have the capacity to attract both post-graduate and under-graduate students; have a genuine interest in, and capacity for, teaching and preferably have expertise compatible with the general areas of physiological, ecological, behavioural or evolutionary aspects of marine biology. The appointee must be able to provide a strong research focus for new and established academic staff in the School, by providing research and teaching leadership in a way which would maximise the performance of the School in general and the marine biology group in particular.

Further information is available from the Head of Faculty, Dr J W Rice, phone (618) 201 3693, or fax (618) 201 3399. Selection criteria, conditions of appointment, and a detailed statement on the structure and scope of the School of Biological Sciences are available from Ms O Mew, phone (618) 201 3692 or fax (618) 201 3399.

Applications, addressing the selection criteria, quoting the reference number, and giving full details of qualifications and experience and the names, addresses and facsimile numbers of three referees of whom confidential enquiries may be made, should be lodged with the Manager, Human Resources, Flinders University, GPO Box 2100, Adelaide SA 5001, or fax (618) 201 3131 by 12 April 1995.

The University reserves the right not to make an appointment or to invite applications.

Equal Opportunity is University Policy.

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**PRINCE PHILIP CHAIR**

GUY’S AND ST THOMAS’S MEDICAL AND DENTAL SCHOOL

(University of London)

**Division of Medical and Molecular Genetics**

Notice is hereby given that UMDS wishes to appoint to the Prince Philip Chair, tenable within the Division of Medical and Molecular Genetics, which will become vacant in the Summer of 1995 and which comprises a Department of Molecular Genetic Research and the South Thames Regional Genetics Centre. There are well-equipped specialist laboratories.

The Professor, as Head of Department, will have a role in research and teaching and in managing the integration of the division’s fundamental research and clinical practice.

Informal enquiries from those with an interest in Medical and Molecular Genetics are welcomed by Professor Cyril Chantler, Principal, UMDS, Medical School Building, Guy’s Hospital, London SE1 9RT. Telephone 0171 955 4222.

Equality of Opportunity is School Policy.
Head of Biophysical Sciences

The position of Head of Biophysical Sciences is immediately available with Marion Merrell Dow in its research facility in Strasbourg, France. The successful candidate will be an experienced scientific manager with the following qualities:

* be an internationally recognized scientist with experience in structural biology and structure-based Drug Design, either through protein crystallography, peptide/protein NMR or computational/theoretical chemistry; * capable of managing a team of highly qualified PhD scientists in the fields of X-ray crystallography, high field NMR and optical/vibrational spectroscopies; * able to work closely in a team-oriented environment with scientists from molecular pharmacology, enzymology and medicinal chemistry towards the discovery and development of new drug candidates.

In addition, the Head of Biophysical Sciences is expected to play a key role in coordinating structural studies in collaboration with Marion Merrell Dow Centers in Genzano, Italy and Cincinnati, Ohio (USA).

Marion Merrell Dow is a global pharmaceutical company which offers an attractive compensation package. The Strasbourg Research Center focuses on research and development of novel compounds for diseases of the central nervous system.

Please send a detailed CV with list of publications and names of 3 referees to M.-J. Bildstein, Human Resources Department, Marion Merrell Dow Research Institute, 16 rue d’Ankara, 67080 Strasbourg Cedex, France.

MDC Max-Delbrück Center For Molecular Medicine Berlin-Buch

The Max-Delbrück Center for Molecular Medicine (MDC) Berlin-Buch invites applications for an

INDEPENDENT GROUP LEADER POSITION

in the broad field of molecular cardiovascular research in particular related to cardiomyopathies, cardiovascular genetics and vascular biology.

The MDC is a national research center supported by the Federal Government of Germany and the Land Berlin. Scientists in basic research are specifically encouraged to integrate into clinical research programs at the Franz Volhard Cardiovascular Clinic, Free University, and other relevant institutions. The applicant should have an outstanding record of scientific accomplishment.

The position are guaranteed for 5 years. Appropriate laboratory space, funds for laboratory set-up and operations and salary for an additional postdoc position will be provided.

Candidates should submit their curriculum vitae, a list of publications, a short description of their future research objectives, and the names of three referees to:

Ernst-Georg Krause
Max-Delbrück-Center for Molecular Medicine
Robert-Rossle-Str. 10
13122 Berlin, Germany.

Deadline for applications is February 15, 1995.
POSITIONS OPEN

MEDICAL ONCOLOGY
Geisinger Medical Center/Weis Center for Research is seeking a recently trained PHYSICIAN to practice medical oncology and do bench research in molecular genetics. This position is 50% clinical medicine and 50% research. Research time is protected and funded by the endowment. Research funds include budgeted monies for supplies and technical support. Additional support could be obtained by application for internal grants. The Weis Research Center has well established research in signal transduction, cell cycle regulation and cell expression and function of oncogenes. Successful candidates will be Board-eligible in Medical Oncology. Geisinger Medical Center, located in Danville, Pennsylvania, is a 577-bed tertiary care institution providing care for 1.6 million residents throughout Pennsylvania. You can enjoy the advantages of living in a small town with low crime, good schools, and reasonable housing costs while still practicing medicine and working in a large urban-style academic medical center. Please send your curriculum vitae along with all inquiries to: Geisinger, Albert M. BERNATH, M.D., Medical Oncology MO-CS, 100 North Academy Avenue, Danville, PA 17822-2001, or you may fax your curriculum vitae to 717-271-6988. An Equal Opportunity Employer/Menities/Female/Disabled/Veterans.

MOLECULAR BIOLOGY
RESEARCH SCIENTIST
Molecular Biology of Spontaneous Mutagenesis
A position is available in our laboratory for an experienced molecular geneticist to investigate mechanisms of mutagenesis, recombination, and DNA repair in bacteria and eukaryotic cells. Our current project involves the use of novel reporter gene techniques to investigate genetic recombination in bacteria. We are seeking a scientist interested in the study of spontaneous mutations and transposition events in E. coli cells. The SCIENTIST we seek should have a strong background in cell biology, molecular genetics, and significant research accomplishments. Our laboratory is a privately endowed nonprofit research foundation located on the north shore of Long Island, about thirty minutes from New York City. The position is available immediately and includes full benefits. Inquiries, including a résumé and a brief statement of research interests, may be submitted to: Dr. Doyle Markham, Environmental Science & Research Foundation, 111 East Shore Road, Manhaset, NY 11030. Email: epplabs@igc.apc.org; FAX: 516-565-7522.

PLANT ECOLOGIST
The Environmental Science and Research Foundation is seeking an experienced ECOLOGIST to plan, propose, coordinate and conduct research and to provide assistance and advice on various environmental issues. The Foundation conducts research, predominantly in the areas of bioavailability of contaminants, environmental exposure and effects of contaminants, and environmental monitoring. Positions are available for Ph.D. and M.S. level training in biology, ecology, or related fields. The position is available immediately and includes full benefits. Inquiries, including a résumé and a brief statement of research interests, may be submitted to: Dr. Doyle Markham, Environmental Science & Research Foundation, P.O. Box 51838, Idaho Falls, ID 83405. FAX: 208-525-7036.

ENVIRONMENTAL SPECIALIST III-NO. 01523

OPENING FOR STAFF SCIENTIST in biochemistry in a genetic research laboratory. The successful candidate will have a Ph.D. in a relevant biological field, a good publication record, experience in in vivo studies of molecular biology, and in vitro analysis of molecular biology techniques. Competitive salary and benefits. Applications, including a curriculum vitae and three letters of reference, should be sent to: Ms. C. Farrell, Jerry L. Pettis VA Medical Center, 111201 Benton Street, Loma Linda, CA 92357.

POSITIONS OPEN

SENIOR SCIENTIST
Molecular Biology Product Development
5 Prime—a leader in molecular biology products development and manufacturer—has an immediate opening for a SENIOR SCIENTIST in new product research and development. This position requires a highly creative, self-motivated, broadly trained Ph.D. Molecular Biologist to join our R&D group and engage in challenging, fast-paced research on technologies state-of-the-art, demonstrated scientific achievement, and strong communication skills. Research experience in recombinant DNA methodology, DNA/RNA purification and analysis, and PCR are required. Additional training in gene expression, DNA replication, or protein synthesis/purification preferred. We offer a competitive compensation and benefits package, including medical, dental, and vision insurance, 401K, stock options, and 30 paid days of vacation per year. To apply, send your resume and salary requirements to: 5 Prime—3 Prime, Inc., 5603 Arapahoe Avenue, Boulder, CO 80303-1332.

ENDOCRINOLOGY, DIABETES AND HYPERTENSION
The School of Medicine at University of Southern California seeks applicants for PHYSICIAN/SCI 11111 SCIENTIST track in Medicine, Division of Endocrinology, Diabetes and Hypertension and/or M.D. Ph.D. with preparation in molecular cellular biology, preferred minimum of five years of full-time teaching/research experience. For more information, send inquiries and curriculum vitae to: Dr. Robert E. Hughey, M.D., Professor of Medicine, Chief of Endocrinology, Diabetes and Hypertension, SAC + USC Medical Center, 1200 North State Street, Room B220, Los Angeles, CA 90033.

VERTEBRATE PALEONTOLOGY
Carnegie Museum of Natural History
Carnegie Museum of Natural History invites applications for the position of ASSISTANT CURATOR. Required are a Ph.D. and a research program on the paleobiology of extinct vertebrates. Duties also include curation, field work, and public programs. The ability to obtain external support for research is necessary. Submit a letter, curriculum vitae, addresses of five references to: Dr. M. Dawson, Vertebrate Paleontology, Carnegie Museum, 4400 Forbes Avenue, Pittsburgh, PA 15213 by March 15, 1995. An Equal Employment Opportunity Institution.

CRC Press is inviting applications to fill two vacancies for the position of ACQUIRING EDITOR or ASSOCIATE ACQUIRING EDITOR depending on experience. If you are highly experienced in an advanced degree in a scientific subject or in engineering and wish to pursue a career in scientific publishing, send your résumé with a letter detailing your reasons for choosing this career path to: CRC Press, Inc., Human Resources Department 2000 Corporate Boulevard NW Boca Raton, FL 33431 FAX: 407-997-0949 An Equal Opportunity Employer

ANNOUNCEMENTS

BRAIN TUMOR RESEARCH GRANTS 1995–1996
The Children’s Brain Tumor Foundation announces the availability of GRANT FUNDS for scientists and clinicians in the New York Metropolitan area engaged in laboratory and clinical research activities related to pediatric brain tumors. Grants up to $50,000 per year, for up to a two-year period, will be awarded. Application deadline is April 30, 1995, with notification to be given September 30, 1995. For more information about the application research that will improve the quality of life and longevity of children with brain and spinal cord tumors. Proposals will be accepted through the end of the application period. Contact: The Children’s Brain Tumor Foundation. For further information and applications, please contact: Children’s Brain Tumor Foundation, 35 Alpine Lane, Chappaqua, NY 10514. Telephone: 914-238-1656; FAX: 914-238-6024.

COURSES AND TRAINING

PREDOCTORAL FELLOWSHIPS
A limited number of PREDOCTORAL FELLOWSHIPS are available leading to a Ph.D. degree in Biophysics or Biochemistry. The fellowships are sponsored by the National Cancer Institute. Areas of research emphasis include, but are not limited to: (1) Mechanisms involved in photodynamic therapy; (2) The role of oxidative stress in cancer etiology; (3) DNA damage in relation to cancer chemotherapy; (4) The role of lipid oxidation and metabolism in signal transduction in carcinogenesis. Additional information and application forms are available from: Chairman, Biophysics/Biochemistry Department, Roswell Park Graduate School, Buffalo, NY 14263. The Roswell Park Graduate School is a component of the SUNY at Buffalo and is located at Roswell Park Cancer Institute, a comprehensive cancer center.

APPLIED MOLECULAR BIOLOGY
The University of Maryland Baltimore County is seeking applications for its unique M.S. Program in Applied Molecular Biology. Through three hands-on intensive laboratory courses, research internships off and on campus and six companion lecture courses, this comprehensive program prepares students for research positions in industry or academia. Information and applications: Department of Biology, U.M.B.C. Baltimore, MD 21228-3968; Telephone: 410-455-3669. Web URL is http://www.umbc.edu/biosci.

CAREER OPPORTUNITY

For graduate students and recent postdoctorals. Apply by 17 Febuary 1995. For more information contact: Dr. John Steele, Woods Hole Oceanographic Institution. Email: jsteele@whoi.edu; Telephone: 508-457-2184; Telephone: 508-457-2000, x2220.

MEDICAL UNIVERSITY OF SOUTH CAROLINA offers programs leading to Ph.D. and M.D./Ph.D. degrees in each of the basic Biomedical Sciences (Biochemistry, Microbiology/Immunology, Pathology, Pharmacology, Physiology), Biometry/Epidemiology, Pharmaceutical Sciences, and Molecular and Cellular Biology. Competitive stipends available. Contact: College of Graduate Studies, MUSC, 171 Ashley Avenue, Charleston, SC 29425-2501.

DOCTORAL PROGRAM IN MOLECULAR AND CELLULAR BIOLOGY AND PATHOBIOLOGY
Interdisciplinary program in fundamental molecular and cellular biology and its application to disease. Competitive stipends of $15,000 available. Contact: Director, MCBP Program, College of Graduate Studies, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425-2501.

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Abingdon, Oxon OX14 3YS
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**In Japan Contact:**
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