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PRODUCTS & MATERIALS

Chemical Database Management Software
Entropy is the only chemical database software that stores structures and text on database pages that do not require formatting. Users can import files from ChemWindow, ChemIntosh, and other chemistry drawing software to create an instant chemical database. Custom forms can be used for new records, as in traditional databases, but users are not bound by them. Users can search on text, structures, or substructures. The database is suited for storing lab notes, drawing collections, common forms, test results, presentations, and other chemical information. It can also be used to inventory chemicals or keep track of literature references. The software requires ChemWindow or ChemIntosh and shares much of the same user interface. SoftShell International. Circle 140.

Matrix Metalloproteinase Assays
Three new enzyme-linked immunosorbent assays (ELISAs) mark the launch of a new range of Biotrak cellular communication assays for the measurement of matrix metalloproteinases (MMPs) and their inhibitors. The ELISAs are specific for total MMP-1 (also known as interstitial collagenase), total TIMP-1 (the tissue inhibitor of metalloproteinases-1), and the activated MMP-1/TIMP-1 complex. Amersham International. Circle 141.

Mathematical and Statistical Software
A Windows version of MLAB is now available, the advanced mathematical and statistical modeling software featuring curve-fitting, differential equations, statistics, and graphics. It runs on both Windows 3.1 and Windows 95. The use of virtual memory under Windows allows much larger user arrays than the DOS version. MLAB has more than 450 built-in functions for solving simulation and modeling problems such as chemical kinetics, pharmacological compartmental models, and multiple site ligand binding. MLAB can solve systems of differential equations of any order, stiff or nonstiff. One of its major capabilities is constrained nonlinear optimization. Civilized Software. Circle 142.

Microscope Slide Reaction Chamber
Gene Cone is a reaction chamber to prevent evaporation of amplification reagents thermocycling on a microscope slide. The user simply peels and sticks the self-adhesive chamber over a cell specimen or tissue section. The chamber allows amplification of RNA or DNA targets on a microscope slide just as solution reactions are done in tubes. Most of the amplified material remains localized for detection within the cells. The Slide Adaptor kit combines everything needed to thermocycle slide specimens: heating platen and spring-pressure platform, 24 Gene Cone chambers, and temperature monitors. Gene Tec. Circle 143.

Drawing and Diagramming Software
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objects from libraries and drop them into a drawing. The version is packaged with both the Windows 3.1 version and the Windows 95 version in the same box. DeltaPoint. Circle 144.

**Messenger RNA Detection and Quantitation Kit**
NorthernMax is a kit containing all the reagents and solutions necessary for detection and quantitation of mRNA. The kit is optimized for use with Ambion’s BrightStar chemiluminescent labeling and detection system, generating high signal-to-noise ratios and low background with sensitivities as good or better than radioisotopic analysis. Results can be available in minutes. The kit also can be used in isotopic format. Ambion. Circle 145.

**Tissue and Rodent Brain Matrices**
Tissue and Rodent Brain Matrices can aid the researcher in the freehand dissection of a wide variety of different tissues and rodent brains. They can help researchers repeatedly slice fresh tissue and brain in intervals as small as 1 mm. The matrices are made from high-grade aluminum for rapid temperature equilibration, ease of cleaning, and sterilization. Applications include biochemical pharmacology, anatomy, and neurophysiology. Standard matrices available include gerbil, mouse, rat, guinea pig, ferret, rabbit, hamster, monkey, dog, cat, turkey, chicken, and canary. Heart matrices are also available. Electron Microscopy Sciences. Circle 146.

**Literature**
Chiral Applications Guide is a brochure that describes the capabilities of a capillary electrophoresis system for enantiomeric separations. Beckman Instruments. Circle 147.

Orbital Shakers describes a line that includes a new model designed to be used on a lab bench, in a reach-in incubator, or in an environmentally controlled room. Also highlighted are additional platforms and accessories. Forma Scientific. Circle 148.

The Ultimate Microwave Digestion Systems showcases a line of microwave instruments, accessories, and software. It covers the latest advances in high-pressure/closed vessel digestions, including improved instruments, vessels capable of pressures up to 1000 psi and temperatures to 260°C, and advanced fiber optic temperature sensing. CEM Corp. Circle 149.

Understanding Chemifluorescence is a full-color guide to a nonisotopic labeling and detection method for proteins and nucleic acids. The guide presents information on the principles of chemifluorescence chemistry, the advantages over other detection methods, and the range of applications. Molecular Dynamics. Circle 150.

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PERSONNEL PLACEMENT

STATE UNIVERSITY OF NEW YORK AT BUFFALO
DEPARTMENT OF BIOCHEMISTRY

The Department of Biochemistry in the School of Medicine and Biomedical Sciences invites applications for a faculty opening at the ASSISTANT PROFESSOR, ATOMIC STRUCTURE, or FULL PROFESSOR level for a twelve-month, state-funded, tenure-track position. Preference will be given to established investigators with a nationally recognized research program supported by major extramural funding. We will also consider especially outstanding new investigators. A Ph.D. degree and postdoctoral experience will be required. Applicants must submit a letter of application, statement of research and teaching interests, current curriculum vitae, and the names, addresses, and telephone numbers of three references. Deadline: Ads will be reviewed immediately. To be assured of consideration, applications should be received by February 1, 1996. The University at Buffalo is an Affirmative Action/Affirmative Opportunity Employer.

ASSISTANT/ASSOCIATE PROFESSOR PHARMACOLOGY

The Ohio State University College of Pharmacy, Division of Pharmacology, invites applications for a tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR level. Candidates should have a Ph.D. in pharmacology, toxicology, or related field. Areas of high priority include biochemical, molecular, or cellular studies involved in the pharmacological or toxicological actions of drugs. Applicants at the Assistant Professor level should have significant postdoctoral research experience and demonstrated excellence in conducting research. This position offers excellent opportunities for an individual committed to quality research and teaching and willing to work in a collaborative environment within our health science community. Review of applications will begin January 1, 1996 and continue until the position is filled. Preference will be given to those postmarked on or before January 15, 1996. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, Vietnam-era veterans, disabled veterans and individuals with disabilities are encouraged to apply.

Tulane University is seeking to fill a vacant faculty position at the TENURE-TRACK ASSISTANT PROFESSOR level. It is possible that a candidate with exceptional qualifications may be considered for a position at a higher level. We are seeking a person with a Ph.D. at the time of appointment that can demonstrate high standards of both teaching and research, and who emphasizes applications of geological problems. Such a person may have a research field in any specialty, however, strong consideration will be given to those candidates that specialize in fields such as sedimentary geology, geochemistry, geochronology, stratigraphy, paleontology, or environmental geology, and can interact with researchers and students in a developing interdisciplinary environmental science program. Tulane University invites applications of at least one letter of application, statement of research and teaching interests, current curriculum vitae, and the names, addresses, and telephone numbers of three references. Deadline: Ads will be reviewed immediately. Preference will be given to those postmarked on or before January 15, 1996. Tulane University is an Equal Opportunity/Affirmative Action Employer.

For information or to apply, contact: Bethany Ritchey, Recruitment Advertising Manager, University of Buffalo, 212-336-6541. FAX: 212-383-0816.

DEVELOPMENTAL/EVOLUTIONARY BIOLOGIST
ASSISTANT PROFESSOR

The Biology Department at St. Lawrence University invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. The position will begin in the fall of 1996. We are seeking a developmental/evolutionary biologist with a demonstrated competence to teach laboratory and theoretical developmental genetics, with an understanding of the ability to teach comparative vertebrate morphogenesis, evolution, and other courses in one’s area of expertise is also desirable. The typical teaching load is two courses per semester. A Ph.D. is required along with a commitment to teaching at the undergraduate liberal arts level. The successful candidate will be expected to develop a strong research program involving undergraduate students and to teach in the University's interdisciplinary program for first year students prior to tenure evaluation. Experience using computer-based multimedia in teaching would also be desirable. Candidates should submit a curriculum vitae, a statement of teaching philosophy and research interests, and have three letters of recommendation forwarded to: Dr. T. Budd, Biology Department, St. Lawrence University, Rome Road, Canton, NY 13617. Applications or inquiries should be postmarked on or before January 26, 1996. St. Lawrence University, a private, non-sectarian undergraduate university, is an Affirmative Action/Equal Employment Opportunity Institution, and persons with disabilities are encouraged to apply.

CORNELL UNIVERSITY MEDICAL COLLEGE

The Department of Cell Biology and Anatomy invites applications for a tenure-track position at the ASSISTANT or ASSOCIATE PROFESSOR level. Candidates whose analysis of cell cycle regulation involves a genetic approach, addresses networks of protein phosphorylation, or relates to development or oncogenesis are of particular interest. The successful candidate will join an interactive group of faculty with broad research interests in cell, developmental, and molecular biology. Candidates will be expected to establish a strong, self-funded research program and to contribute to graduate and medical education. Interested candidates should submit a curriculum vitae, names and addresses of three references, and a description of current and future research interests by January 31, 1996 to: Paula Traktman, Ph.D., Department of Cell Biology and Anatomy, Cornell University Medical College, 1300 York Avenue, New York, NY 10021. Equal Employment Opportunity/Affirmative Action/Men/Women, Minorities, Disabled Persons.

Morehead State University invites applications for a tenure-track position at the ASSISTANT PROFESSOR level. Candidates should have a Ph.D. in Botany or Botanical Biology, beginning August 1996. Responsibilities: teach courses in plant anatomy, plant taxonomy, plant morphology, general botany, field botany, and general biology. Experiences: a greenhouse and herbarium; manage a greenhouse; take an active role in both biology (B.S. and M.S.) and environmental science (B.S.) programs. Job requires: extensive knowledge of diverse Central/Southern Appalachian phyla. Qualifications: Ph.D. in biological science. Strong communication skills. Evidence of potential for successful teaching, research, and service. To ensure consideration, submit letter of application, curriculum vitae, statements of teaching philosophy and research interests, and three letters of reference by January 15, 1996, to: Office of Human Resources, Attn: Botanist, Morehead State University, P.O. Box 43031, Morehead, KY 40351. Morehead State University is an Affirmative Action/Equal Opportunity Employer.

The Division of Virology, which is affiliated with the Division of Infectious Diseases at the University of Washington, is recruiting a full-time faculty member at the ASSISTANT PROFESSOR level. Applicants must have extensive laboratory-based research training in viral pathogenesis and immunology of medical interest. Preference will be given to those who have been involved in relevant areas of virology. Teaching and research in the area are required. Appointment is negotiable. Applications should be submitted to: John A. Nelson, Department of Geology, Tulane University, New Orleans, LA 70118. Email: snelson@mailhost. tulane.edu. Telephone: 504-865-3082. Qualified individuals apply. Tulane University is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.
PLANT ECOLOGIST
GRINNELL COLLEGE

Grinnell College invites applications for a tenure-track appointment beginning August 1996, in plant ecology at the ASSISTANT PROFESSOR rank. We seek candidates with creativity in quantitative methods of the discipline and a commitment to field research with the ability to teach an advanced course in ecology using our field station and exotic plant communities. We are especially interested in areas of evolution and ecology, and a general education course for non-majors. Grinnell College is seeking candidates with postdoctoral research experience who plan an active research program and are interested in the associated rank of ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR OR PROFESSOR. Applicants must have a record of independent research in plant ecology or a closely related field. Applicants who were accepted in 1992 and a successful candidate in the theme of membrane and cell physiology. This cohesively Department theme ensures excellent opportunities for interactions with both faculty and students in this area of research. The College is in a recently renovated building located in a very pleasant residential area of Philadelphia. Salaries and start-up packages are competitive. In addition to establishing and maintaining a competitive research program, successful candidates will be expected to participate in teaching in a medical physiology course. Applications will be accepted until March 1, 1996. Send a curriculum vitae, a brief description of research interests and plans, and the names, addresses, and telephone numbers of at least three references to: Search Committee, Department of Biology, Grinnell College, Grinnell, IA 50112-8086. Telephone: 515-269-3047. To ensure full consideration, applications must be complete by January 26, 1996. Grinnell College is an Equal Opportunity/Affirmative Action Employer and especially seeks women and minority candidates.

ASSISTANT PROFESSOR
NEUROLOGY
DePaul University

DePaul University seeks an individual with a strong commitment to undergraduate education for this TENURE-TRACK position. In this newly created role you will teach courses in the B.S./B.A. advanced integration of graduate and neurobiology, a specialty course, introductory biology, and possibly anatomy. We require a Ph.D. and active research with start-up funds available. Previous teaching experience desirable. All applications must include a curriculum vitae with letter of interest, three letters of reference, a statement of educational philosophy, a list of equipment/supply needs with cost estimates by item/category. Send or Fax to: Dr. Sidney L. Beck, Chair, Department of Biological Sciences, DePaul University, 1304 West Fullerton Avenue, Chicago, IL 60614. FAX: 312-325-7596; Email: sbbeck@condor.depaul.edu. DePaul University, the employer of choice committed to diversity and equality in education and employment.

ASSISTANT PROFESSOR, Conservation Biology.
Department of Biological Sciences, Florida Institute of Technology. Permanent nine-month position beginning August 1996. Ph.D. and postdoctoral research required. GIS experience preferred. Candidates must have research experience in applied conservation problems related to re- serve design, protected species management, and marine conservation issues. Duties: developing a strong, funded research program; graduate student training in the M.S. and Ph.D.; teaching undergraduate and graduate courses in ecology, conservation and evolutionary biology and others related to candidate’s research interests. Send curricu- lum vitae, plans for research and teaching, selected reprints, and names of three references to: Dr. G. N. Wells, Head, Department of Biological Sciences, Florida Institute of Technology, 150 West University Boulevard, Melbourne, FL 32901. Telephone: 407-768-8000, ext. 8034; Email: gwells@fit.edu. Position pending funding. Affirmative Action/Equal Employment Opportunity Employer.

ENVIRONMENTAL STUDIES
BIOLOGY
ELON COLLEGE

Applicants are invited for ASSISTANT/ASSOCI- ATE PROFESSOR of biology and COORDINATOR of environmental studies. Master’s degree in biology and Ph.D. in environmental studies or related area required. A private, coeducational college with an enrollment of 3500 located between Greensboro and Chapel Hill, North Carolina. Send letter of application, curriculum vitae, graduate transcripts, statement of teaching and research goals, and at least three letters of reference to: Dr. Rosa- lind Reichard, Associate Dean of Academic Affairs, 3163 College Hall, Elon College, NC 27244. Applications should be received by January 19, 1996. Minority and women candidates are encouraged to apply. Elon is an Equal Employment Opportunity Institution.

FACULTY POSITIONS
MEMBRANE/CELL PHYSIOLOGY

The Department of Physiology of the Medical College of Pennsylvania and Hahnemann University invites applications for a tenure-track position at the rank of ASSISTANT PROFESSOR, ASSOCIATE PROFESSOR OR PROFESSOR. Applicants must have a record of independent research in cell biology or a closely related field. Applications that were accepted in 1992 and a successful candidate in the theme of membrane and cell physiology. This cohesively Department theme ensures excellent opportunities for interactions with both faculty and students in this area of research. The College is in a recently renovated building located in a very pleasant residential area of Philadelphia. Salaries and start-up packages are competitive. In addition to establishing and maintaining a competitive research program, successful candidates will be expected to participate in teaching in a medical physiology course. Applications will be accepted until March 1, 1996. Send a curriculum vitae, a brief description of research interests and plans, and the names, addresses, and telephone numbers of at least three references to: Search Committee, Department of Biology, Grinnell College, Grinnell, IA 50112-8086. Telephone: 515-269-3047. To ensure full consideration, applications must be complete by January 26, 1996. Grinnell College is an Equal Opportunity/Affirmative Action Employer and especially seeks women and minority candidates.

ASSISTANT PROFESSOR
BIOLOGICAL SCIENCE

Applications are invited for a tenure-track, ASSIST- ANT PROFESSOR position in the general area of envi- ronmental biology. The successful candidate will be expected to commit to undergraduate education and to develop an active, extramurally funded research pro- gram that supports Master’s and Doctoral level graduate students. Preference will be given to applicants with re- search expertise in the areas of toxicology, aquatic ecolo- gy, or developmental biology related to environmental concerns through other environmental-related research as will be constructed. Michigan Technological University promotes the for- mation of interdisciplinary research programs and numer- ous teaching opportunities for faculty. Research support will be available in conjunction with the Environmental Engineering Center, the EPA Center for Clean Industrial and Treatment Technologies, and the Lake Superior Research group. Construction of a $50 million Environmental Sci- ences and Engineering complex that houses the Depart- ment of Biological Sciences is currently in progress. Review of applications will commence February 1, 1996 and will continue until the position is filled. Send applications, consisting of curriculum vitae, a brief statement of teaching philosophy, department vitae, and letters of recommendation to: Search Committee, Department of Biological Sciences, Michigan Technological University, 1400 Townsend Drive, Houghton, MI 49931-2975. Michigan Technologi- cal University is an Affirmative Action/Equal Employment Opportunity/ Educational Institution.

FACULTY POSITION
BIOLOGICAL CHEMISTRY

The Department of Chemistry at the University of North Carolina at Chapel Hill invites applications for a tenure-track position in biological chemistry. The success- ful applicant must have a Ph.D., postdoctoral experi- ence, a strong record of research, and the ability to teach both undergraduate and graduate level courses. Preference will be given to individuals who can establish a strong research program in biological chemistry and interact enthusiastically with other chemis- ts, and whose appointment would be at the rank of ASSISTANT PROFESSOR. Review of the applications will begin December 15, 1995. Send a curriculum vitae, a brief research plan, a statement of teaching interests, and four letters of recommendation to: Dr. Nancy L. Thompson, Department of Chemistry, CB 3290 University of North Carolina, Chapel Hill, NC 27599- 3290. The University of North Carolina is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION
DEPARTMENT OF PATHOLOGY
University of Arkansas for Medical Sciences

Applications or nominations are invited for a faculty position in the Department of Pathology, Division of Pediatric Pathology, at the level of ASSISTANT PROFESSOR. Applicants should have an established track record of excellence in original research in tumor cell biology as evidenced by their training and publications. Ph.D. level and postgraduate training and experience in molecular genetics is required. Candidates should submit their curriculum vitae to: David M. Parham, M.D., Chief of Pediatric Pathology, Slot 820, Arkansas Children’s Hospital, 800 Marshall Street, Little Rock, AR 72202. An Affirmative Action/Equal Employment Opportunity Employer.

ASSISTANT PROFESSOR—RESEARCH BIOCHEMISTRY/BIOLOGY OF BONE

The Department of Orthopedics at the SUNY Health Science Center (HSC) at Syracuse has an imme- diate opening for a Senior Research Scientist. Primary responsibilities include design and execution of a program in the area of bone biochemistry or biology as it relates to orthopaedic implants. Ph.D. in biochemistry or biological sciences, experience with biology/biochemistry of bone, and previous animal exposure required. Send letter, curriculum vitae, and names and telephone numbers of three references to: Kenneth A. Mann, Ph.D., Depart- ment of Orthopedics, SUNY-HSC, 750 East Adams Street, Syracuse, NY 13210. SUNY-HSC is an Affirmative Action/ Equal Employment Opportunity/ADA Employer, committed to excellence through diversity. 1700

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POSITIONS OPEN

MAMMALIAN OR AVIAN PHYSIOLOGIST

Tenure-track, ASSISTANT PROFESSOR position anticipated to begin Fall 1996, in Biological Sciences at the University of New Orleans (UNO); Ph.D. required and postdoctoral research experience in physiological or biochemical research. Applicants should submit curriculum vitae and three letters of recommendation. Send all applications to: Dr. Rosemary Hoffmann, University of Maryland, University College, College Park, MD 20742-1642. Affirmative Action/Equal Employment Opportunity.

ENVIRONMENTAL STUDIES/BIOLOGY

ASSISTANT PROFESSOR. Randolph-Macon College invites applications for an entry-level, nine-month tenure-track position in environmental studies/biology beginning in August 1996. Applicants should have a Ph.D. in environmental studies or a related field, with specialization in wetland studies, aquatic biology, wildlife biology, or resource management. Applicants must be committed to undergraduate teaching, and have demonstrated research interests in areas relevant to the program. Application deadline: January 15, 1996. Send a letter of interest and three letters of recommendation to: Charles P. Blakeslee, Chair, Environmental Studies/Biology, Randolph-Macon College, Ashland, VA 23005. Equal Opportunity Employer.

AQUATIC BIOLOGIST

Lake Superior State University is seeking a tenure-track aquatic biologist FACULTY MEMBER. The academic program in biology is undergraduate. Teaching load will be 12 credits annually (3 per year per 2-credit course). Duties will include advisement, committee work, and supervision of senior thesis projects. Opportunity to develop a course in area of expertise and opportunity for research in conjunction with the Lake Superior State University Aquatic Research Lab. Qualifications: Ph.D. in aquatic biology, interest and experience in research involving aquatic systems, ability to lead students in undergraduate research. Experience in aquatic ecology and federal or state agency experience preferred. Complete application must include a letter of application addressing the above qualifications, curriculum vitae, unofficial transcripts, and three letters of reference to: Aquatic Biology, Office of Employee Relations, Lake Superior State University, Administration Building, Sault Ste. Marie, MI 49783, FAX: 906-635-2111. For further information contact Dr. Rogers, Telephone: 906-635-2266; Email: krogers@lakers.lssu. edu or www.lssu.edu. Application deadline: January 15, 1996. An Equal Employment Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

FACULTY FOR EUROPE AND ASIA

The University of Maryland anticipates openings for FELLOWS to teach undergraduate courses on a departmental basis in the following areas: Immunology, environmental, nat-

atural products and polymer chemistry. Information on the Department and its new building can be found at http://www.ecs.umd.edu. The position is available starting August 15, 1996. To apply, submit a detailed curriculum vitae, research plans, and three letters of recommendation to: John P. Hasset, Faculty of Chemistry, SUNY-CESF, 1 Forest Street, Binghamton, NY 13908-2778. Applications should be postmarked by August 15, 1996. A position is available starting August 15, 1996. To apply, submit a detailed curriculum vitae, research plans, and three letters of recommendation to: John P. Hasset, Faculty of Chemistry, SUNY-CESF, 1 Forest Street, Binghamton, NY 13908-2778. Applications should be postmarked by August 15, 1996. A position is available starting August 15, 1996. To apply, submit a detailed curriculum vitae, research plans, and three letters of recommendation to: John P. Hasset, Faculty of Chemistry, SUNY-CESF, 1 Forest Street, Binghamton, NY 13908-2778.

Environmental Chemistry FACULTY POSITION, tenure-track, any rank, in the Chemistry Department, State University of New York College of Environmental Science and Forestry (SUNY-CESF). A Ph.D. in chemistry or related discipline, with emphasis in environmental chemistry, is required. Successful candidates will be expected to teach courses in physical chemistry and demonstrate postdoctoral experience. The successful candidate will be expected to develop a strong, externally funded research program and teach effectively at the undergraduate and graduate levels. The department has 13 faculty members and offers B.S., M.S. and Ph.D. degrees with specialization in food, environmental, natural products and polymer chemistry. Information on the Department and its new building can be found at http://www.ecs.umd.edu. The position is available starting August 15, 1996. To apply, submit a detailed curriculum vitae, research plans, and three letters of recommendation to: John P. Hasset, Faculty of Chemistry, SUNY-CESF, 1 Forest Street, Binghamton, NY 13908-2778. Applications should be postmarked by August 15, 1996. A position is available starting August 15, 1996. To apply, submit a detailed curriculum vitae, research plans, and three letters of recommendation to: John P. Hasset, Faculty of Chemistry, SUNY-CESF, 1 Forest Street, Binghamton, NY 13908-2778.
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Applicants must be:
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• Committed to conduct research at a Merck research facility for a minimum of three months
• A U.S. citizen or permanent resident.

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

Deadline for receipt is February 26, 1996

“A mind is a terrible thing to waste.”

Executive Director
American Association for Accreditation of Laboratory Animal Care (AAALAC)
The Executive Director is the Chief Executive Officer of the American Association for Accreditation of Laboratory Animal Care in Rockville, MD to start July 1996. Duties are in four areas: 1) operation of the AAALAC office; 2) fiscal and personnel management for the Association; 3) oversight of the accreditation program; 4) professional spokesperson for the organization. In all matters, the Executive Director accepts policies formulated by the Board of Trustees and the Executive Committee and implements programs consistent with those policies.
The following qualifications are required: An earned post-graduate degree; Familiarity with the function of NIH, USDA, and other federal agencies in animal care and use programs; Ability to communicate the position of AAALAC to professional and public constituencies. The following qualifications are desirable: Expertise in the management of non-profit organizations; Experience in the administration of animal care and use programs; Familiarity with the role of AAALAC as an accrediting agency, and with the issues of animal care and use in research, teaching, and testing.
Send Resume and at least 3 letters of recommendation to: Hugh L. Evans, Ph.D., Chair, AAALAC Search Committee, Nelson Institute of Environmental Medicine, New York University Medical Center, Long Meadow Rd., Tuxedo, N.Y. 10987.

MAYO CLINIC
MAYO CANCER CENTER

Associate Director for Cancer Prevention and Control

The NCI-designated Mayo Cancer Center in Rochester, Minnesota, invites applications for Associate Director of Cancer Prevention and Control. Investigators with established research programs in cancer prevention and control and with demonstrated leadership skills are encouraged to apply. The Mayo Clinic provides an outstanding environment for conducting cancer prevention and control research, with particular strengths in epidemiology, biostatistics and health services research. Interested candidates should submit a letter of application including a statement of research interests, curriculum vitae, bibliography, and list of references to:

James Ingle, M.D.
Associate Director for Clinical Research
Mayo Cancer Center
Mayo Clinic
200 First Street SW
Rochester, MN 55905

Mayo Foundation is an affirmative action and equal opportunity educator and employer.
The Denver Museum seeks applicants for CHAIR and CURATOR in the Department of Earth Sciences. The Chair will supervise a department of three curators, a collection manager, office manager, two preparators, and over 100 volunteers. Collection strengths are in fossil vertebrates and plants, and minerals from Western North America. The successful candidate must be committed to museum exhibition, education, and research, and be able to manage and teach in a certification program. Send a single PDF that includes goals and experiences in management, conservation, education, and outreach, for review. This is a full-time, year-round position. Applications should be submitted electronically to: Personnel Office, Denver Museum of Nature & Science, 3030 Colorado Boulevard, Denver, CO 80205. Closing date is January 9, 1996. FAX: 303-331-6492; Email: paleo@dmnh.org. The Denver Museum is an Affirmative Action/Equal Employment Opportunity Employer.

CARNegie Mellon University

Carnegie Mellon’s Department of Engineering and Public Policy invites applications from candidates with Ph.D.’s in engineering or science to teach and do research on: the social dimensions of global change; manufacturing and industrial policy; arms control and security policy. Please send curriculum vitae and letters of reference to: Granger Morgan, Head EPP, Carnegie Mellon, Pittsburgh, PA 15213.

COMMUNELOGICAL MUSEUMS OF NATURE AND HISTORY

The Department of Invertebrates invites applications for a TENURE-TRACK curatorial position in malacology to be available September 1, 1996. The prime requisite is a strong program in collections-based research in malacology including active fieldwork and appropriate laboratory and analytical approaches. The focus should be in one or more of the following areas: systematic, phylogeographic analysis, biogeography, analyses of life history, or other ecological traits, or evolution. The new curator will also be responsible for managing the Department’s large collection of molluscs in addition to participating in Museum committees, educational programs, and exhibition programs. The salary will be commensurate with qualifications and experience. The successful candidate must have the Ph.D. by time of appointment. Applications should include: (1) a brief statement of research interest; (2) curriculum vitae; (3) complete bibliography; and (4) three letters of recommendation from persons familiar with the applicant’s qualifications. Applications must be submitted by December 1, 1996 to: Dr. Neil H. Landman, Chairman, Search Committee, Department of Invertebrates, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024. An Equal Opportunity Employer.

FACULTY POSITIONS

The University of Nevada, Las Vegas invites applications for an ASSOCIATE PROFESSIONAL tenure-track position. Research and teaching responsibilities include developing and teaching courses in, and conducting research in, the area of Human Nutrition. The position will begin upon appointment. Salary is negotiable (commensurate with qualifications). Applicants should indicate their teaching and research interests. All materials must be sent to: Dr. Ross V. Pemberton, Chair, Search Committee, Department of Nutrition, University of Nevada, Las Vegas, NV 89154.

To apply, candidates must submit: (1) letter of application, (2) curriculum vitae, (3) list of publications, (4) three letters of reference. Review of applications begins December 1, 1996.

ASSISTANT PROFESSOR

Human Anatomy

The Department of Anatomy, Northeastern Ohio Universities College of Medicine, is seeking a TENURE-TRACK FACULTY MEMBER to participate in teaching and research and to contribute to the research program of the Department. Applicants should have strong research programs, and be interested in research and teaching in: (1) the development of human embryos, (2) the development of human germ cell biology, (3) the development of human disease, (4) the development of human cancer. The salary will be commensurate with qualifications. The search is ongoing, and applications are encouraged.

APPLICATIONS

Applications should be submitted to: The Chair, Search Committee, Department of Anatomy, Northeastern Ohio Universities College of Medicine, 10000 Euclid Avenue, PO Box 50, 4209 South State Route 44, Rootstown, OH 44272. Applications will be accepted until the position is filled.

DEVELOPMENTAL BIOLOGIST

The Department of Biology at the University of Illinois at Urbana-Champaign invites applications for an ASSOCIATE PROFESSOR tenure-track position. A Ph.D. in Genetics and postdoctoral experience is required. A strong commitment to undergraduate teaching and mentoring is essential. Research focus is in developmental biology, as evidenced by a publication record. The candidate must be able to establish a vigorous, self-supporting research program at the University. Salary is at Assistant Professor level. The initial appointment is for five years, renewable to a maximum of 5 years. Further information is available from: Dr. John N. Boardman, Chair, Search Committee, Department of Biology, University of Illinois at Urbana-Champaign, 1406 West Green Street, Urbana, IL 61801. Applications must be received by February 1, 1996.

GENETICIST/DEVELOPMENTAL BIOLOGIST

The University of Michigan Department of Biological Sciences invites applications for an ASSISTANT PROFESSOR position. Applicants should have a Ph.D. in genetics and postdoctoral experience. A commitment to undergraduate teaching is required. The appointment will begin on July 1, 1996.

APPLICANTS

Applications should be sent to: Dr. James P. Hackett, Secretary, Search Committee, Department of Biological Sciences, University of Michigan, Ann Arbor, MI 48109-1042. Applications are available from: Dr. Hackett. Review of applications begins January 1, 1996. Applications must be received by February 1, 1996.

RESEARCH ASSOCIATE

The Department of Botany at the University of Maryland, College Park, invites applications for a Research Associate position to carry out research on plant population biology. Applicants should have a Ph.D. in botany or a closely related field. The appointment will begin on July 1, 1996. Salary is competitive and is negotiable. The position is open for up to 2 years, renewable. To apply, send a cover letter detailing research interests and experience, curriculum vitae, and three letters of recommendation to: Dr. John P. Hackett, University of Maryland, College Park, MD 20742. Applications should be sent by February 1, 1996.


CHAIRPERSON

The New Jersey Medical School of the University of Medicine and Dentistry of New Jersey invites nominations and applications for the position of Chairperson of the Departments of Pharmacology and Physiology. We intend to propose the merger of these two departments in the near future. The successful candidate will have the opportunity to mold and develop the educational and research programs of the new department created by this merger. The individual selected as chair must have a nationally recognized record of achievement in research and a strong interest in the development of two major teaching programs in the Medical School and the Graduate School.

For further information or to apply, please send your curriculum vitae to:

Ms. Linda C. Reich
NJMS - Office of the Dean
UMDNJ-New Jersey Medical School
University Heights
185 South Orange Ave., MSB - C662
Newark, NJ 07103-2714

The UMDNJ is an Affirmative Action/Equal Employment Opportunity Employer M/F/D/V and is a member of the University Health System of N.J.

IOWA STATE UNIVERSITY
OF SCIENCE AND TECHNOLOGY

USDA National Needs Graduate Fellowships

Here's your opportunity to be part of one of the nation's leading plant biotechnology programs. Iowa State is offering graduate fellowships in cell biology, biochemistry, molecular biology and physiology through the USDA National Needs Graduate Fellowship program. Fellowships are in Iowa State's Interdepartmental Plant Physiology Major (IPPM).

Fellowships are for three years with an annual stipend of $17,000. Candidates with a master's degree or prior research experience are preferred.

For more information and application details about these fellowships and others, contact: IPPM Graduate Admissions, 335 Beysse Hall, Iowa State University, Ames, Iowa 50011; email: ippm@iastate.edu OR http://www.public.iastate.edu/~ippm; phone 515-294-0132; fax 515-294-1337.

Iowa State University is an affirmative action/equal opportunity employer.

TOXICOLOGIST

Rohm and Haas Company, a leading chemical company serving global markets, has an immediate opening for a Toxicologist with expertise in in vitro methodology. This position is at our Corporate Research Center in Spring House, PA, near Philadelphia.

We are looking for a scientist to assume the leadership of a laboratory conducting assays in genetic toxicology, as well as research in toxicology using in vitro methods. The assays and research are primarily directed toward the expeditious development of new products for regulatory acceptance.

The successful candidate will have a Ph.D. degree in a relevant discipline, with demonstrated technical expertise in in vitro toxicity methods: e.g., genetic toxicity, cytotoxicity, receptor-mediated toxicity. This scientist will also have a substantive publication record in the peer-reviewed literature.

Our position requires a broad perspective of toxicology, as well as outstanding oral and written communication skills to interact effectively with regulatory scientists and our company’s scientific staff. Candidates must be skilled in project management and have the drive, aptitude and motivation to work effectively in multidisciplinary teams.

Rohm and Haas offers a highly competitive salary and benefits program, including relocation assistance. We invest heavily in research and in resources to develop our Research staff. Candidates must be legally qualified to hold regular employment in the U.S. For consideration, please forward your resume or C.V., including publication list and references, to: Corporate Staffing #295, Rohm and Haas Research Laboratory B-70, 727 Norristown Road, Spring House, PA 19477-0904.

An Equal Opportunity Employer M/F/H.

Cubist Pharmaceuticals, Inc.

KEEP PACE WITH DISCOVERY

Cubist Pharmaceuticals is racing toward critical medical discoveries. We’re dedicated to the development and commercialization of fundamentally new approaches to anti-infective drugs. Your insight and expertise can help us make this goal a reality.

Enzymology

Positions currently exist for scientists with expertise in enzymology. Successful candidates will have a Ph.D. in Biochemistry, previous industrial experience, and a proven track record in enzymology with relevant publications. Candidate must be able to function in the small biotech environment with emphasis on independence, creativity and excellent science.

Responsibilities include development and execution of strategy to achieve scientific objectives, protein purification, assay development, kinetic and mechanism of action studies.

Protein Chemistry

Position currently exists for scientist with expertise in protein chemistry. Successful candidates will have a Ph.D. in Biochemistry or equivalent, a minimum of 2 years’ experience in protein purification using HPLC and ligand-affinity techniques, and experience in supplying proteins for X-ray crystallography or NMR studies. Responsibilities include taking the lead in expressing and purifying enzymes and proteins that are targets for drug discovery programs; working with molecular biologists and biochemists in target selection and optimization of enzymatic assays; and playing a central role in developing and supporting structural biology programs involving X-ray crystallography, NMR and protein mapping.

We’re setting an intense pace for research and discovery, balanced by exciting professional opportunities. Working with us, you’ll enjoy a competitive compensation package. Please send your resume to: Manager, Human Resources, Cubist Pharmaceuticals, Inc., 24 Emily Street, Cambridge, MA 02139. We’re an equal opportunity employer.
POSTDOCTORAL POSITION available immediately to carry out structure/function análisis of a novel class of small Zn2+ binding transcriptional activators. Applications are invited from postdoctoral fellows with experience in transcription regulation, cell biology, molecular biology, and biochemistry, including experience with protein overexpression and purification. Send curriculum vitae, statement of research experience, and the names and addresses of three references to: Dr. James E. Parry, Chairman, Department of Biology and Microbiology, University of Wisconsin-La Crosse, La Crosse, WI 54601. Deadline for receipt of materials is February 23, 1996. The University of Wisconsin-La Crosse is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.
The DEPARTMENT OF BIOCHEMISTRY at the University of Alberta invites applications for a FACULTY POSITION preferably at the Assistant Professor level (Salary Range $39,230-$55,526). This position is an entry into the regular academic progression of the university. The candidate is expected to secure extramural funding to support a high quality research program in an area that complements existing strengths of the department. These include: control of protein and mRNA turnover, molecular biology of lipids and lipoproteins, molecular immunology and virology, protein structure and function, proteolytic mechanisms, recombination and repair, signal transduction and transcriptional control (see http://www.biochem.ualberta.ca).

We offer an outstanding research environment and graduate training program in these areas. An attractive start-up package, including three years of initial salary support, will be provided. In accordance with Canadian Immigration regulations, priority will be given to Canadian citizens and permanent residents of Canada. Individuals with a Ph.D. or equivalent and appropriate postdoctoral experience should send a letter of application, curriculum vitae, brief description of research plans, and arrange to have three letters of reference sent to: Dr. Vern Paetkau, Chair, Department of Biochemistry, University of Alberta, Edmonton, Alberta, Canada T6G 2H7. The application deadline is January 31, 1996. The University of Alberta is committed to the principle of equity in employment. As an employer we welcome diversity in the workplace and encourage applications from all qualified women and men, including Aboriginal peoples, persons with disabilities and members of visible minorities.

Millennium Pharmaceuticals Inc. has fantastic opportunities in their Biology Division for a team of enthusiastic and creative cellular and molecular biologists and immunologists. Join a group focused on the identification and characterization of the biological function of novel genes as therapeutic targets for the treatment of inflammatory respiratory diseases including asthma, chronic bronchitis and COPD. The following positions are currently available:

**Research Scientist**

The successful candidate will have demonstrated outstanding ability with a biological focus in the areas of lymphocyte activation and effector function. A Ph.D. in Molecular Biology or a related field and strong skills in cellular and molecular immunology are required.

**Research Associates**

Positions will include the functional characterization of novel proteins expressed in cells of the immune system. Candidates will have a variety of responsibilities including mammalian cell culture, molecular biology, protein purification and analysis, and cellular biology. An MS and 3-5 years of experience is required.

Millennium is a rapidly growing biopharmaceutical company researching the genetic basis of common diseases and developing therapeutics using this understanding. Enjoy the rewards of an innovative environment, the challenge of progressive science and the incentive of stock ownership and a generous compensation package. Publications in leading scientific journals actively encouraged. Please send or fax your C.V. to: Dr. Douglas Levinson c/o Shani Stickney, Millennium Pharmaceuticals, Inc., 640 Memorial Drive, Cambridge, MA 02139; FAX (617) 225-0884. EOE.

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**Texas A&M University**

Postdoctoral Positions and Graduate Assistantships in Plant Virology and Plant Biotechnology

Available immediately in the following research programs of the respective principal investigators.

1. Molecular characterization of fuviruses
   Drs. Charlie Rush and Karen-Beth Scholtof

2. Satellite Viruses and Satellite RNAs
   Drs. Karen-Beth Scholtof and Marilyn Roosinck

3. Long Distance Movement of Tombusviruses
   Dr. Herman B. Scholtof

4. Interactions Between Different Fuviruses
   Dr. Charlie Rush

5. Engineered Resistance and Molecular Farming in Transgenic Sugarcane and Sorghum
   Drs. T. Erik Mirkov and James Irvine

For category 1-3, send applications or requests for additional information to the Department of Plant Pathology and Microbiology at Texas A&M University, College Station, TX 77843, Fax: 409-845-6483. For category 4, send correspondence to the Texas Agricultural Experiment Station (TAES), P.O. Drawer 10, Bushland, TX 79012, Fax: 806-354-5829, and for category 5 to TAES, 2415 E Hwy 83 Weslaco, TX 78596, Fax: 210-968-0641, or e-mail e-mirkov@tamu.edu.

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**Mayo Clinic**

**Mayo Cancer Center**

Staff Scientist in Cancer Research

The NCI-designated Mayo Cancer Center in Rochester, Minnesota, invites applications for several staff scientist positions in cancer research. Investigators with established research programs in areas of cancer biology with clinical/translational applicability are especially encouraged to apply. Areas of particular emphasis in the Mayo Cancer Center include breast and gynecologic malignancies, neuro-oncology (adult and pediatric primary brain tumors), prostate and genito-urinary malignancies, gastrointestinal malignancies, soft tissue sarcomas (including pediatric solid tumors), and hematologic malignancies. The Mayo Clinic provides an outstanding environment for investigators interested in applying modern advances in the cellular and molecular basis of cancer to improved methods in the prevention, diagnosis and treatment of cancer. Interested applicants should submit a statement of research interests, curriculum vitae, bibliography and list of references to:

Nita J. Maihle, Ph.D.
Associate Director for Basic Research
Mayo Cancer Center
Mayo Clinic
200 First Street SW
Rochester, MN 55905

Mayo Foundation is an affirmative action and equal opportunity educator and employer.
POSTDOCTORAL POSITION

EPITHELIAL STEM CELLS

Position available to study the biological properties of corneal and conjunctival epithelial stem cells. Candidates must have a Ph.D. and/or M.D. with a strong background in cell culture and molecular biology. Additional experience in signal transduction and cell biology is required. (Rodents, rabbits) is a strong asset. Send curriculum vitae including description of research experience and letters of support to: Dr. Richard S. Oettinger, Department of Dermatology, University of Pennsylvania Health System, 235 CRB, Philadelphia, PA 19104-6142.

University of Pennsylvania is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP

A POSTDOCTORAL FELLOWSHIP is available in protein chemistry. Incumbent will study the structural changes of proteins and starch-protein interactions during food processing. Salary is $30,000 per year. Applicants must have equivalent experience. Send curriculum vitae and names of three references to: Mr. Daniel S. Biersack, Department of Food Science, University of Wisconsin-Madison, Madison, WI 53706-1165.

FELLOWSHIPS IN MATHEMATICS AND ASTRONOMY

The Pennsylvania State University—University Park has GRADUATE and POSTDOCTORAL FELLOWSHIPS available to work on projects in various areas of mathematics and astrophysics. Positions are available at the M.S. and Ph.D. levels. Interested applicants should send their curriculum vitae to: Chair, Mathematics and Astronomy Graduate Program, Pennsylvania State University, University Park, PA 16802-6141.

RESEARCH SCIENTIST

CELL ANALYSIS

AmCell Corp. is looking for an innovative PhD level scientist to develop and optimize assays for multi-paramater cell analysis. The position requires expertise in bio-organic chemistry and physical chemistry relating to the synthesis of fluorescent labels, their conjugation to bio-molecules, and hands-on experience with immunohistochemistry, FISH techniques, flow cytometry, and/or fluorescence microscopy. The candidate must have experience in cell biology, biochemistry, or related area. Experience in micrography, HPLC, and apoptosis is helpful. Send curriculum vitae, names of three references, and a current research statement to: Dr. Robert B. Heseltine, 139 Main Street, Cambridge, MA 02142. FAX: 617-253-3653; Email: rsh@mit.edu.

Boston Children's Hospital, Harvard/MIT Division of Health Sciences and Technology offers a POSTDOCTORAL POSITION, fundamental steps in development, angiogenesis, and tissue engineering. Ph.D. degree with experience in developmental biology and embryology is essential. Send curriculum vitae and names of three references to: Dr. John D. Collins, Department of Developmental Biology, 225 Smith Street, Boston, MA 02115.

POSTDOCTORAL POSITION available immediately to study the roles of free radicals in neuronal injury and degenerative disorders. Ph.D. in neuroscience, biochemistry, or related area. Experience in micrography, HPLC, and apoptosis is helpful. Send curriculum vitae, names of three references, and a letter of interest to: Dr. Robert B. Heseltine, 139 Main Street, Cambridge, MA 02142. FAX: 617-253-3653; Email: rsh@mit.edu.

POSTDOCTORAL POSITION

Fellow

For the identification of axonal genes (Pulst et al., Neuron, 9, 1993) and the analysis of familial brain tumors (Saito et al., Hum. Mol. Genet., 1994), we are looking for two students with Ph.D. and established background in positional cloning and molecular genetics. Fax curriculum vitae with three references to: Cedars-Sinai Medical Center, 19500 E. 41st Street, Box 800, Hershey, PA 17033. The Pennsylvania State University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL RESEARCH ASSOCIATES

Molecular Oncology

Positions available immediately in a laboratory developing new methods for diagnosis and therapy of breast and gynecologic cancer. The candidate must be less than three years after Ph.D. in biochemistry, molecular biology, and have documented experience with PCR, DNA, and RNA analysis and gene cloning. Candidates will be involved in characterizing and modeling the new female cancer virus and PCR analysis of human samples. Please send resume and names of three references to: Dr. Eva M. Rakosvari-Selezynska, As- sociate Professor, Director, Molecular Oncology Lab- oratories, Department of Obstetrics and Gynecology, University of Nebraska Medical Center, 600 South 42nd Street, Omaha, NE 68198-3255. Fax: 402-559-8112.
The Scripps Research Institute

Ph.D. Programs in Chemistry and Macromolecular & Cellular Structure & Chemistry

The Scripps Research Institute will admit highly qualified students in the fall of 1996 to two Ph.D. programs, one integrating cell and molecular biology with structure and chemistry, and the other in chemistry.

Graduate studies at Scripps provide an exceptional training opportunity in a uniquely multidisciplinary environment with an emphasis on individualized training for each student.

Candidates must have a bachelor’s degree and a strong background in biology and/or chemistry. Qualified applicants will be invited to visit the Institute. Financial support will be provided to all accepted students.

Since its establishment in 1961, the Institute has gained international recognition for its basic research in molecular biology, immunology, chemistry, neurosciences, cell biology, and plant biology.

Individuals interested in applying to either program should contact the Office of Graduate Studies for a brochure and application:

The Scripps Research Institute, Office of Graduate Studies, IMM 21, 10666 North Torrey Pines Road, La Jolla, CA 92037. Tel: (619) 554-8469. Fax: (619) 554-6602. Internet: http://www.scripps.edu. The graduate programs are accredited by the Western Association of Schools and Colleges. TSRI is an equal opportunity institution.

Nucleic Acids Chemist

Promega Corporation, a world leading biotechnology company, headquartered in one of America's most livable cities, Madison, WI, has an immediate opening for a senior research scientist to direct and manage the scientific efforts of a team dedicated to developing novel chemistries for the purification of nucleic acids.

Selected individual will identify and develop novel chemistries/technologies for the purification of DNA and RNA; manage strategic relationships for the purpose of expanding the nucleic acid purification business, and present research and technology development plans to senior management. Requirements include a Ph.D. in polymer chemistry, organic chemistry or inorganic chemistry and 5+ years of related industrial experience. Extensive knowledge of the binding interactions between macromolecules, including the physical forces and interactions involved in the binding of nucleic acids to sequence specific binding proteins and small molecular weight ligands such as antibiotics. Extensive experience in designing novel solid and solution phase extraction methods for macromolecules including DNA, RNA, lipids or proteins. Previous experience in the design of novel chemistries suitable for automated extraction/purification of macromolecules. Previous experience with current methods in molecular biology including nucleic acid purification, transfection, translations and probe labeling and hybridization techniques and automated robotics systems preferred.

Promega's mission is to become the most responsive supplier of biological reagents and systems in the worldwide biotechnology research products market. We strive to provide our employees with a rewarding work experience and to achieve unparalleled excellence, quality and prosperity in our business. Relocation assistance will be provided. To apply, send resume to: Promega Corporation, Human Resources (111045), P.O. Box 7879, Madison, WI 53707-7879. For additional career information, call our Career Opportunities Line at (608) 277-2539. To learn more about our products and our company, visit our home page at http://www.promega.com. EOE
POSTDOCTORAL POSITION
Mayo Clinic Scottsdale
Department of Biochemistry
and Molecular Biology

POSTDOCTORAL POSITION focused on functional and genomic studies of endothelial cell biology and cell migration in health and disease. The position is available to permanent residents or citizens of the United States. The University of Virginia is an Equal Opportunity Employer.

POSTDOCTORAL POSITIONS
HARVARD MEDICAL SCHOOL

1) Position available to study the molecular mechanisms involved in neuronal apoptosis and Alzheimer’s disease. Experience with culture, H&E staining, and expression analysis is required. Send resume and names of three references to: Dr. Daniel S. Trimmer, Department of Neurobiology, Harvard Medical School, 750 Main Street, Cambridge, MA 02115. Email: dtrimmer@rics.harvard.edu; Telephone: 617-495-4881.

2) Position available to study the role of hereditary and environmental factors in the development of neurodegenerative disorders. Experience with in vivo and in vitro techniques is required. Send resume and names of three references to: Dr. Daniel S. Trimmer, Department of Neurobiology, Harvard Medical School, 750 Main Street, Cambridge, MA 02115. Email: dtrimmer@rics.harvard.edu; Telephone: 617-495-4881.

3) Position available to study the role of hereditary and environmental factors in the development of neurodegenerative disorders. Experience with in vivo and in vitro techniques is required. Send resume and names of three references to: Dr. Daniel S. Trimmer, Department of Neurobiology, Harvard Medical School, 750 Main Street, Cambridge, MA 02115. Email: dtrimmer@rics.harvard.edu; Telephone: 617-495-4881.

POSTDOCTORAL POSITION
Program of Immunology
Vanderbilt University

POSTDOCTORAL POSITION available to study the role of hereditary and environmental factors in the development of neurodegenerative disorders. Experience with in vivo and in vitro techniques is required. Send resume and names of three references to: Dr. Daniel S. Trimmer, Department of Neurobiology, Harvard Medical School, 750 Main Street, Cambridge, MA 02115. Email: dtrimmer@rics.harvard.edu; Telephone: 617-495-4881.

POSTDOCTORAL POSITION
University of California, San Francisco

POSTDOCTORAL POSITION available to study the role of hereditary and environmental factors in the development of neurodegenerative disorders. Experience with in vivo and in vitro techniques is required. Send resume and names of three references to: Dr. Daniel S. Trimmer, Department of Neurobiology, Harvard Medical School, 750 Main Street, Cambridge, MA 02115. Email: dtrimmer@rics.harvard.edu; Telephone: 617-495-4881.
NIH-FUNDED POSTDOCTORAL FELLOWSHIPS IN GAMETE AND EMBRYO BIOLOGY
AT THE UNIVERSITY OF WISCONSIN, MADISON

Faculty and research topics are: Barry Bavister-fertilization and early development; Bill Bement-signal transduction/cytoskeleton; Gary Borisy-cell motility and the cytoskeleton; Neal First-embryonic transitions; Ted Golos-trophoblast determination; Jeff Hardin-gastrulation and morphogenesis; John Hearn-implantation; Gary Lyons-gene expression in embryonic stem cells; John Parrish-capacitation and acrosome reaction; Gerald Schatten-imaging motility during fertilization. Candidates must be U.S. citizens or permanent residents. Send curriculum vitae, three letters of recommendation, reprints/preprints, and a 2-3 page research proposal to: Dr. Gerald Schatten, Gamete and Embryo Training Program, University of Wisconsin, 1117 West Johnson Street, Madison, WI 53706. FAX: (608) 262-7319. EMAIL:schatten@macc.wisc.edu An Affirmative Action/Equal Opportunity Employer.

NIH-FUNDED POSTDOCTORAL FELLOWSHIPS IN GAMETE AND EMBRYO BIOLOGY

Senior Scientists - Virology and Cell Biology

Quality Biotech Inc. is a leading international biotechnology service company engaged in contract research and biosafety testing for the biopharmaceutical industry. As part of our expansion we have openings for two Senior Scientists. The positions require a Ph.D. in virology, Microbiology, Cell Biology or Molecular Biology and postdoctoral training. Supervisory experience is a plus.

For the position in our Virology and Cell Biology Section we seek an individual who has experience with assays for human, animal, or insect viruses. The individual will supervise a number of established assays to test or characterize biopharmaceuticals, and establish new testing procedures in the areas of gene therapy, tissue engineering, and for other novel biopharmaceutical approaches. The individual should have experience with a wide variety of viruses and/or cell cultures. Experience with standard biosafety assays such as sterility, endotoxin and general safety tests is a plus.

A second position is available in our Viral Validation Group. This group is responsible for the design and implementation of customized protocols for validation of virus removal and inactivation by biopharmaceutical and blood product manufacturing processes. The Senior Scientist in this position will be responsible for development of mammalian virus assays and production of virus stocks and will be involved with a wide variety of purification procedures including chromatography, filtration, and various virus inactivation methods. The individual should have experience in virology, cell culture, and standard protein purification methods.

We offer health benefits, 401(k) plan and tuition reimbursement. Send resume and salary requirements to: Quality Biotech Inc., Human Resources, 1667 Davis Street, Camden, 08104. Equal opportunity employer.
ORGANIC PHYSICAL CHEMIST
Fluorescent Probe Synthesis
Position available for an individual with wide experience in synthetic organic chemistry of fluorescent probes. The researcher investigates synthesis and testing of novel fluorescent probes for use in biochemistry, immunochromatography, and biomedical applications. Ph.D. required.

The USDA, Agricultural Research Service (ARS), Fargo, North Dakota, is seeking a RESEARCH SCIENTIST in animal physiology, chemistry, or biochemistry to conduct research on the metabolic fate of food or feed additives or environmental chemicals that may affect food safety. The position involves identifying and testing metabolic pathways in mammalian tissues and cells. A Ph.D. is required.

The University of Montana, Missoula, Montana, seeks a POSTDOCTORAL RESEARCH ASSOCIATE in molecular biology to work with the Chairman of the Department of Biological Sciences. The position is a two-year appointment.

RESEARCH ASSOCIATE IN ECOLOGY
Mountain Research Center
Montana State University
Bozeman, Montana
One year position, beginning February 1996 (possible renewal for two more years). Research on biodiversity in montane environments (herpetological expertise preferred but not required) is expected to lead to a Ph.D. in ecology and require the publication of a dissertation. The successful candidate will be able to integrate ecological and bioinformatic techniques, with a focus on taxonomic data reduction, statistical analysis, and graphical presentation of analyzed data. The position is an ideal opportunity for a recent Ph.D. or a postdoc.

NUTRITIONAL BIOCHEMISTRY TECHNOLOGIST
Applicants should possess a Master's degree in nutrition biochemistry, or a closely related discipline, and have substantial research experience in a basic or human research environment. In addition to hands-on experience with human nutritional biochemistry, the successful candidate should demonstrate basic work in sample processing protocols, methods development and validation, and the implementation of novel technologies, and instrument troubleshooting and routine maintenance procedures. This position requires computer data reduction, statistical analysis, and graphical presentation of analyzed data components of the position. Previous experience with high performance liquid chromatography, enzyme linked immunosorbent assays, stable isotope measurements, radioimmunoassays, and/or spectrophotometry is desirable. Knowledge of requirements for standard laboratory safety and biohazardous materials handling is essential. The research conducted at the NASA Johnson Space Center includes definition of nutritional requirements for spaceflight, evaluation of protein, calcium, energy, and iron utilization as a function of spaceflight.

Interested applicants should submit current résumé, a list of references, and salary history indicating position and salary. Applications should be sent to: Harry K. Jones, Chief, Division of Medical Oncology, MHB 6N-435, 177 Fort Washington Avenue, New York, NY 10032. The University is particularly interested in candidates who can contribute to a diverse academic community. Affirmative Action/Equal Opportunity Employer.

PLANT AND WETLAND ECOLOGIST
The Platte River Whoooping Crane Trust, a non-profit organization dedicated to the recovery of migratory birds, is seeking a plant/wetland ecologist. The successful candidate will have demonstrated interest in and expertise in plant and wetland ecology, and will be responsible for conducting research in the field. The position is for a two-year period, renewable for two additional years.

The University of Montana is an Equal Opportunity/Affirmative Action Employer. Individuals with disabilities are encouraged to apply.

PLANT TRANSFORMATION FACILITY MANAGER
The University of Nebraska is seeking an experienced individual to manage a new Plant Transformation Core Facility. The facility will serve the University’s Center for Biotechnology. The position is a key component of a new facility and will be responsible for developing and implementing the facility's operations. The position will require a minimum of 5 years of experience in plant biotechnology. A Ph.D. in molecular biology, genetics, or plant biology is required.

Applications will be accepted until the position is filled. For more information, please visit the university's website or contact the job posting directly.
FRENCH "ACADÉMIE DES SCIENCES" PROFESSORSHIPS
In order to foster international cooperation between academic and industrial research groups, the French Académie des Sciences, the Centre National de la Recherche Scientifique and Elf Aquitaine will open a limited number of one-year professorships for the 1996-1997 period. The positions are to be held in France at an academic institution or at an Elf laboratory or both.

These openings are reserved for research professionals at all levels, from Associate to Full Professor, and may be held in conjunction with a sabbatical leave. The positions include generous benefits such as housing arrangements and travel expenses, and depend upon the candidate's experience. Selection criteria include the quality of research achievements and the relevance of the proposed program to Elf research activities, which cover the following domains:

- Earth Sciences, with emphasis on surface seismology, sedimentology, organic and mineral geochemistry, and the physics of hydrocarbon fluids, including their interaction with rocks.
- Chemical Sciences, with emphasis on polymers, halogen and thermo-chemistry, catalysis, photo-chemistry and process engineering research.
- Environmental Sciences, with emphasis on the evolution of the geosphere and biosphere due to human activities and the methodology of biological indicators.
- Life Sciences, with emphasis on the biochemistry of receptors as applied to the central nervous system, and cardiovascular, thrombotic and degenerative diseases. Prearranged agreements with French academic laboratories are eligible for these professorships and will be appreciated although not mandatory. Preference will also be given to candidates whose research programs include significant interaction with Elf R&D staff.

There are no citizenship restrictions. Mastery of French is not required, although some familiarity with French culture is expected to be helpful for the selected candidates. Formal applications should include a detailed résumé, a description of the research project and any information relevant to the selection of the most qualified candidates. They should be sent to the following addresses before February 25, 1996.

For North America-based candidates:
J. BODELLE, Vice President Research & Development
Elf Aquitaine, Inc.
1899 L Street, N.W., Suite 500
Washington, D.C. 20036

For other candidates:
C. JABLON, Chief Scientist
Elf Aquitaine, DRTE
Tour Elf, Codes 45
92078 Paris - La Défense, FRANCE

Some discussion with the candidates about the program may then be suggested by the selection committee before the final announcements, which are scheduled for May 1996.

POSTDOCTORAL FELLOWSHIPS
Toxicology
Immediate openings for 2 NIH-sponsored postdoctoral fellowships (U.S. citizenship or permanent residency required for both positions):

1) To study the role of DNA conformation, chromatin structure, and nuclear architecture in targeting of oxidative DNA damage in cells. Preference for Ph.D. with experience in molecular biology, biochemistry, and antibody use/production. Send, Fax, or e-mail curriculum vitae, three letters of reference, and statement of skills/interests to: Prof. Peter Dedon, Division of Toxicology, 16-336, MIT, Cambridge, MA 02139-4307; FAX: (617) 258-8676; e-mail: pcedoni@mit.edu.

2) To study epithelial proliferation and apoptosis in inflammatory bowel disease. Experience with molecular biology methods and rodent models required. Familiarity with bacterial pathogenesis preferred. Send curriculum vitae, three letters of reference, and statement of skills/interests to: Prof. David B. Schauer, Division of Toxicology, MIT, Room E18-564, Cambridge, MA 02139-4307.

MIT is an Equal Opportunity/Affirmative Action Employer
MIT is a non-smoking environment

FACULTY POSITIONS
ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNIVERSITY
DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY
Faculty positions are available on a tenure track for innovative investigators studying all aspects of immunology and the molecular pathogenesis of infectious organisms. Candidates can be at the beginning of their independent careers or more advanced in their academic pursuits. The Department has NIH Training Grants available to support pre- and postdoctoral students including MSTP students studying toward both the Ph.D. and M.D. degrees. AECOM provides core facilities including analytic ultrastructure analysis, production of transgenic and knockout mice, generation of hybridomas for monoclonal antibodies, FACS analysis, peptide synthesis and sequencing, and mass spectroscopy. There is a P3 facility available for handling infectious agents. Interested investigators should send their curriculum vitae, bibliography, a statement of research interests and 3 letters of recommendation to: Ms. Georgia Varoutis, Department of Microbiology and Immunology, Albert Einstein College of Medicine, 1300 Morris Park Avenue, Bronx, New York 10461. An Equal Opportunity Employer.

ALBERT EINSTEIN COLLEGE OF MEDICINE
Toward the advancement of medicine
...and your career

DIRECTOR
SHOALS MARINE LABORATORY
CORNELL UNIVERSITY
The Section of Ecology and Systematics invites nominations and applications for the Bartels Director of the Shoals Marine Laboratory (SML). The SML, a shared venture between the University of New Hampshire (UNH), is primarily an undergraduate teaching program located on Appledore Island in the Gulf of Maine. Although based at Cornell, the Director will be responsible for implementing the SML's academic programs and overseeing operations, will serve as liaison with the UNH, and will be involved with fundraising. A candidate with a distinguished record of research and teaching in marine sciences is sought; the area of specialization could range from the organismal to ecosystem level, with an emphasis in any area of ecology, evolutionary biology or systematics. The successful candidate should have a strong commitment to undergraduate education, administrative experience, and carry on an active research program. We especially seek applications from established scientists who would be appointed as Associate or Full Professor with tenure, at Cornell.

Letters of nomination should include the nominee’s name, current position, address, telephone/fax number(s) and e-mail address. Applications should include a curriculum vitae, copies of representative publications, a statement of research, teaching, and administrative interests and names of three referees, and be sent to: Dr. Drew Harvell, Chair, Shoals Search Committee, Section of Ecology and Systematics, Corson Hall, Cornell University, Ithaca, New York 14853-2701. (Public) FAX: (607) 255-8302; E-mail: CDH5@CORNELL.EDU; World Wide Web: HTTP://WWW.SML.CORNELL.EDU). Screening of completed applications will begin February 5 and continue until the position is filled. Cornell University is an Affirmative Action/EQUAL Opportunity Employer.

HARVARD MEDICAL SCHOOL
Department of Microbiology and Molecular Genetics
POSTDOCTORAL RESEARCH FELLOW
Applications are invited from candidates to join two bacterial studies underway in the Laboratory of Prof. E.C.C. Lin. (1) Physiological analysis and enzymatic characterization of the two-component signal transduction systems, Arc and Cpx, in Escherichia coli. (2) Elucidation of the anaerobic control of a regulon involved in glycerol fermentation in Klebsiella pneumoniae and monitoring evolutionary adaptations of the system in an E. coli host. Applicants should state their preference. The successful candidate should have a recent doctoral degree and significant experience in molecular genetics, bacterial physiology, and enzymology. The stipend will be commensurate with experience. Further inquiries may be directed to Prof. Lin, Department of Microbiology and Molecular Genetics, Harvard Medical School, 200 Longwood Avenue, Boston, MA 02115. FAX: (617) 738 7664; E-mail: elin@warren.med.harvard.edu. Applications should be accompanied by a current CV and three letters of recommendation. Harvard University is an equal opportunities employer.
DEAN
SCHOOL OF NATURAL SCIENCES

California State University, San Bernardino invites nominations and applications for the position of Dean of the School of Natural Sciences. The preferred starting time is August 1, 1996. Reporting to the Vice President of Academic Affairs, the Dean is responsible for the academic and administrative leadership of nine departments within the School.

The Dean will be responsible for representing the School to the University and its external constituencies. Candidates should have an earned doctorate in one of the disciplines in the School of Natural Sciences and be eligible for a faculty appointment at the rank of Professor with tenure in one of the departments.

Compensation is competitive. Review of applicants will begin January 31, 1996 and continue until the position is filled. The applicant should submit a resume accompanied by the names, telephone, fax numbers and e-mail addresses of three references to: Office of the Vice President for Academic Affairs, Chair, School of Natural Sciences Dean Search Committee, California State University, San Bernardino, 5500 University Parkway, San Bernardino, CA 92407. California State University San Bernardino is an Affirmative Action/Equal Opportunity Employer, and has a strong institutional commitment to the principle of diversity in all areas. For More Information see the School of Natural Sciences Home Page: http://www.csusb.edu

RESEARCH & DEVELOPMENT POSITIONS
Diagnostic Products Corporation, a leading independent and well-established immunodiagnostic company, is expanding its R&D and is seeking a broad range of scientific talent to assume key roles in that expansion. Opportunities have been created to fill the positions in the following departments.

PROTEIN CHEMISTRY
Creative individual with a Ph.D. or M.S. in Chemistry or Biochemistry with experience in Peptide/Protein Chemistry instruments. Strong background and demonstrated skill to employ various analytical techniques, especially Mass Spectrometry, for peptides and proteins.

MOLECULAR BIOLOGY
Immediate openings exist for Ph.D. Scientists trained in Molecular Biology and Microbiology, with experience in development of diagnostic assays using immunoassay and DNA probe technology.

HYBRIDOMA
Ph.D. Scientists with experience in hybridoma technology, radioimmunoassay development and cellular immunology.

IMMUNOASSAY DEVELOPMENT
Ph.D. or M.S. in Chemistry, Biochemistry or related field with 2+ years of industrial experience in immunodiagnostic industry. Strong background in solid phase protein immobilization and assay development and thorough knowledge in theory of immunoassays are essentials.

We offer competitive salary, an attractive benefits package, and the opportunity to make a significant contribution to the immunodiagnostic field. Please send your resume and salary history to:

Human Resources
Diagnostic Products Corporation
5700 W. 96th Street
Los Angeles, CA 90045

IMMUNOASSAY DIAGNOSTIC PRODUCTS CORPORATION

The University of Southern California announces the formation of the USC WRIGLEY INSTITUTE FOR ENVIRONMENTAL STUDIES, which will complement ongoing environmental programs at USC. The current initial phase of the development of this institute includes renovation of USC’s existing laboratories and teaching facilities on Santa Catalina Island (about 25 miles off our local coast) and the creation of the following two ENDOWED positions, for which we invite applications:

THE WRIGLEY CHAIR IN ENVIRONMENTAL STUDIES. This is a tenured faculty position in the field of ENVIRONMENTAL BIOLOGY. We seek an active researcher with a distinguished record whose research efforts will include marine or terrestrial work at Catalina Island, although his or her primary office and laboratory can be on the USC campus. Ideally, this individual would have a broad, global perspective, although preference will be given to scholars who can also take advantage of the special opportunities afforded by the Channel Islands’ environments. The successful candidate will be expected to participate in our undergraduate and graduate educational programs.

DIRECTOR OF THE USC WRIGLEY INSTITUTE FOR ENVIRONMENTAL STUDIES. This is a faculty position to head the institute. The individual is expected to lead in the development and implementation of activities at the Catalina laboratories, including scientific research, university courses, conferences, public education, and outreach. We are looking for an entrepreneurial individual with experience administering a research station or similar facility. Residence at Catalina is expected. Scientific and teaching skills (preferably a Ph.D.) and the demonstrated ability to work constructively with scientists and government agencies are required. This position may carry an academic appointment.

Applicants should send a résumé, a cover letter describing their interests relating to the position, and the names, addresses, telephone/FAX numbers, and e-mail addresses of at least 3 references to:

Chair, Wrigley Search Committee
Department of Biological Sciences
University of Southern California
Los Angeles, CA 90089-0371

Applications will be considered beginning 15 January 1996, and will be accepted until the positions are filled.

USC is an Equal Opportunity/Affirmative Action Employer. We particularly encourage women and minorities to apply.

IMMUNOLOGIST

Cytel Corporation is a publicly-held biotechnology company whose headquarters are based in San Diego, CA. We are committed to the discovery, design and development of immunotherapeutics for the treatment of serious human diseases. We are seeking a talented cellular immunologist to be a part of a team at Cytel’s new facility in Charlottesville, Virginia. If you wish to contribute to carrying out original and applied research in the areas of antigen identification and peptide sequencing by mass spectrometry, please consider joining our Charlottesville research team.

The individual we are seeking will be a critical part of a team-oriented environment who will be responsible for cultivating human CD8 T-cells, TIL and tumor cells, bioassay of T-cell activation, and MHC purification and peptide extraction. The selected individual must be familiar with peptides as well as basic molecular biology techniques, DNA transfections, and SDS-PAGE.

Candidates must have a Ph.D. in immunology or related scientific discipline plus a minimum of 3-5 years of post-doctoral experience as well as a proven record of scientific accomplishment and/or antigen identification. Individual must have the ability to work with other team members who have expertise in analytical biochemistry and mass spectrometry. Excellent verbal and written communication skills are essential as well as being self-motivated.

Cytel offers a challenging environment, competitive salary and benefit programs, as well as stock options and an employee stock purchase plan. Qualified candidates please send your curriculum vitae to attention of Job Code:CE44/190, Cytel Corporation, 3525 John Hopkins Court, San Diego, CA 92121-1121. We are an equal opportunity employer.
Applications are invited for two Pharmacokinetic Scientist positions in the Department of Pharmacokinetics and Metabolism. Your primary responsibilities will include supporting preclinical and clinical development of recombinant proteins and small molecule therapeutics by designing, conducting, analyzing, and reporting pharmacokinetic/pharmacodynamic studies.

To qualify, you should be a scientist with doctoral level training in pharmacokinetics, pharmaceutical sciences or a related discipline and 2+ years of industrial or academic experience in pharmacokinetics. Excellent scientific, interpersonal and oral/written communication skills as well as the ability to work in a team environment are essential. Experience in the drug development process, regulatory submissions, and demonstrated capabilities in advanced pharmacokinetic data analysis are plusses.

Genentech is an international biotechnology company that discovers, manufactures and markets human pharmaceuticals for significant, unmet medical needs. We offer an excellent salary and benefits package to full time employees that includes fully paid medical/dental/vision coverage, free health club membership, and Company stock purchase opportunities. For immediate consideration, please send your resume to Genentech, Inc., Human Resources Dept. NSDB, 460 Pt. San Bruno Blvd., South San Francisco, CA 94080. Genentech is an Equal Opportunity Employer. We value the contributions of our diverse workforce.

The Boston Biomedical Research Institute (BBRI) invites competitive applications for postdoctoral research positions in the laboratory of a BBRI faculty member under the BBRI Scholars Program. BBRI is an independent biomedical research center that offers an exceptionally collegial and intellectually stimulating environment. Current research programs at BBRI include:

**Leonard Adam** Signal transduction mechanisms regulating vascular smooth muscle contractility

**John Badwey** Biochemical basis of cell stimulation and transmembrane signalling

**John Codington** Glycoproteins of cancer cells and their use in diagnosis and treatment of cancer

**Peter Coleman** Protein prenylation enzymes and cell proliferation; mitochondrial bioenergetics

**John Gergely** Mechanism of muscle contraction and its regulations

**Zenon Grabarek** Structure and function of calcium binding proteins

**Philip Graceffa** Control of smooth muscle contraction: Structure and function of tropomyosin and caldesmon

**Jenshiang Hong** Mechanisms of gene activation in bacterial signal transduction

**Noriaki Ikamoto** Molecular mechanism of excitation-contraction coupling

**Saroj Joshi** Energy coupling mechanisms in mitochondrial protein pumping ATPase

**Sherwin Lehrer** Regulation of muscle contraction: Spectroscopic and chemical studies

**Enne Lu** Function-structure relation of contractile proteins

**Kathleen Morgan** Subcellular mechanisms of contraction and growth of smooth muscle

**Henry Paulus** Complex biosynthetic pathways: Control of enzyme activity and gene expression

**Victor Raso** Immunological approaches to the design of new therapies for cancer and AIDS

**Nilma Sarkar** Structure, function and biosynthesis of bacterial poly(A) RNA; chromosome replication

**Michael Sherman** Molecular chaperones; control of the cell cycle

**Walter Stafford** Study of protein and nucleic acid interactions by analytical ultracentrifugation

**Teresa Tao** Structure and function of regulatory proteins in skeletal and smooth muscles

**Vladimir Volloch** Organization, structure, and expression of eukaryotic genes

**Albert Wang** Physical biochemistry of Ca-binding proteins and their related targets in smooth muscle cells

**Hartmut Wohlrab** Structure and function of integral membrane transport proteins; biochemistry of senescence

Candidates should have a PhD (or equivalent) and at least two years of postdoctoral experience. The selected candidates must compete successfully for salary and establishment funding from the Alberta Heritage Foundation for Medical Research and/or Medical Research Council of Canada, and will have 75% of their time protected for research. Interested persons are invited to visit our web site.

http://www.cns.ucalgary.ca/nrg/nrg.html

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Calgary is committed to Employment Equity.

Please submit a curriculum vitae and a statement of research interests, and arrange to have three letters of reference sent directly, by January 31, 1996 to:

Dr. S. Barnes, Chair
Neuroscience Research Group
The University of Calgary
3330 Hospital Drive N.W.
Calgary, Alberta T2N 4N1
DEAN, COLLEGE OF LIFE SCIENCES & AGRICULTURE
UNIVERSITY OF NEW HAMPSHIRE
DURHAM, NEW HAMPSHIRE

The University of New Hampshire is seeking a Dean of the College of Life Sciences and Agriculture to assume duties on July 1, 1996.

The University is a Land Grant, Sea Grant, and Space Grant university of some 12,400 students committed to providing comprehensive high quality undergraduate and graduate programs and to the promotion of excellence in teaching, scholarship, and public service. It is the only comprehensive research university within the University System of New Hampshire.

The College of Life Sciences and Agriculture is one of the University’s five schools and colleges, with 1,730 undergraduate majors, 460 associate degree students, and 129 master’s and 84 Ph.D. students. It is responsible for the administration of the College’s academic programs in biological sciences, environmental resources, agriculture, and social sciences; its interdisciplinary biology and genetics programs; and affiliated research centers. The Dean’s chief administrative assistant, the individual reports to the Provost and actively participates in university governance as a member of the Dean’s Council and the Academic Senate.

The Dean oversees eight academic units: the Thompson School of Applied Science and the Departments of Animal and Nutritional Sciences, Biochemistry and Molecular Biology, Microbiology, Natural Resources, Plant Biology, Resource Economics and Development, and Zoology. The position also carries responsibilities as Director of the New Hampshire Agricultural Experiment Station. The college mission is supported by more than 104 full-time faculty, most of whom have appointments split between teaching and the Agricultural Experiment Station or UNH Cooperative Extension. The Dean is involved in interactions with several on-campus research centers, including the Institute for the Study of Earth, Oceans, and Space; the Environmental Research Group; the Marine Program Board; and the Water Resources Research Center.

The successful candidate will have a demonstrated commitment to undergraduate and graduate education and research in biological sciences, natural resources, agriculture, and social sciences. He or she will have had successful administrative experience in higher education including personnel and program management and evaluation, curriculum and program development, budget management and development, and academic planning. The Dean is expected to have the ability to act as an advocate for the College’s programs; consult with faculty, facilitate undergraduate and graduate education, research, outreach and development; guide and promote faculty development in teaching and scholarship; and advance the College’s affirmative action goals. The candidate’s qualifications must include an earned doctorate and a record of successful academic and/or administrative leadership appropriate to an appointment as a tenured professor in one of the College’s departments.

Applications should include a brief statement of philosophy regarding the position, a curriculum vitae and the names and addresses of three references (who will not be contacted until the later stages of the search), and a letter of interest to the College of Life Sciences and Agriculture Search Committee, Office of Academic Affairs, Thompson Hall, University of New Hampshire, Durham, NH 03824. Applications will be reviewed starting January 26, 1996, but the search will remain open until the position is filled.

The University of New Hampshire is an AA/EEO Employer. Women and minority candidates are encouraged to apply.
**DIRECTOR**  
Biotechnology Laboratory  
The University of British Columbia

The Biotechnology Laboratory at the University of British Columbia was established in 1987 to catalyze the interdisciplinary development of Biotechnology at B.C. The laboratory now comprises 13 independent faculty members with a strong record in attracting external funding. It includes an efficient administrative support system, excellent core facilities for molecular biology, a bioprocessing unit, and a teaching laboratory. The University is now searching for a distinguished scholar to serve as a new Director **commencing July 1, 1996**, or soon thereafter.

The candidate should be an internationally recognized scientist who will provide leadership, direction and vision to the Biotechnology Laboratory. The candidate will possess effective interpersonal and administrative skills and the ability to maintain strong, positive interactions with other academic units on campus and with the private biotechnology sector. The candidate should be willing to participate in fund-raising activities.

The new Director will lead the continued development of the Biotechnology Laboratory and will be provided with generous laboratory space, administrative support staff and facilities. The new Director will also hold an academic appointment in an appropriate Department.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. UBC welcomes all qualified applicants, especially women, aboriginal people, visible minorities and persons with disabilities. The position is subject to final budgetary approval.

Applications or nominations for the directorship must be received **prior to February 15, 1996** and should include the curriculum vitae of the candidate, together with the names of three references, and be sent to:

Search Committee  
Biotechnology Laboratory Directorship  
c/o Dr. Barry C. McBride  
Dean of Science  
6270 University Boulevard, Room 1505  
Vancouver, B.C. CANADA V6T 1Z4

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**Inflammation Pharmacology**  
Investigator/Sr. Investigator

SmithKline Beecham Pharmaceuticals, a world leader in pharmaceutical research, has an opportunity for an Investigator to join the Department of Inflammation Pharmacology. The selected candidate will participate in the drug discovery process for immunologically driven inflammatory diseases and identify new molecular targets for immunological diseases. Acting as a departmental resource in the field of Cellular and Molecular Immunology, the Investigator will also be required to establish new model systems, assays to facilitate research efforts, present findings at scientific meetings and publish in scientific journals.

Qualifications include a PhD (equivalent) in Immunology, Molecular Biology or Cell Biology, and 2+ years of post-doctoral experience in immunology, immunopharmacology or related field. Candidates must also demonstrate expertise with state-of-the-art cellular and molecular immunology methodologies, as well as knowledge of T and B-lymphocyte biology and cell-mediated immunity. "The ability to take a creative approach to independent projects is equally essential."

Located in our technologically advanced research facility in suburban Philadelphia, SmithKline Beecham has an excellent compensation/benefit/relocation package. Interested candidates should send CV and salary requirements to: SmithKline Beecham Pharmaceuticals, Job Code H-IPDG, PO Box 264S, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.

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**Postdoctoral Fellows**  
Molecular & Cell Biology

The Lindsey E. Kimball Research Institute, a division of the New York Blood Center, invites applications for post-doctoral Fellow positions in the general area of molecular and cell biology of blood group antigens.

The fellows will participate in a collaborative, NIH-funded, SCOR program on Transfusion Biology and Medicine aimed at understanding the molecular basis of human blood groups in order to enhance the capabilities of blood banking services, characterize structure/function relationships and explore relations in disease processes. Candidates must offer a Ph.D. or M.D. degree supported by a strong background in biochemistry and molecular biology, including experience in gene isolation and expression and recombinant technology.

The program project leaders include:

- CHENG-HAN HUANG, MD, PH.D.  
  Molecular genetics of the red cell Rh antigens
- COLVIN M. REDMAN, PH.D.  
  The Kell blood group system and the McLeod phenotype
- A. OSCAR PG0, MD  
  The Duffy blood group protein
- MARION E. REID, PH.D.  
  Molecular biology in clinical immunohematology

These positions will be available January, 1996 and command a competitive salary and excellent comprehensive benefits package. The Lindsey E. Kimball Research Institute comprises 17 laboratories carrying out autonomous research programs in diverse fields of biomedical research. Interested candidates should send CV and the names of 3 references to: Colvin M. Redman, Ph.D., The New York Blood Center, 310 East 67th Street, New York, NY 10021. An Equal Opportunity Employer M/F/D/V.

**IMMUNOLOGIST**

The University of Calgary Immunology Research Group invites applications for a full-time academic position in immunology at the Assistant Professor level or higher. This position offers an excellent opportunity to develop an independent research program and collaboration with individuals studying leukocyte-endothelial cell interactions in vivo, and various aspects of lymphocyte and neutrophil development and function.

Qualifications include a PhD and/or MD, at least two years of postdoctoral experience, and demonstrated excellence and productivity in the area of leukocyte adhesion under normal and disease states. Applications are encouraged from those using molecular and biochemical techniques to study function and/or structure of adhesion molecules.

The selected candidate must compete successfully for salary support and establishment funding from the Alberta Heritage Foundation for Medical Research and/or the Medical Research Council of Canada, and will have 75% of time protected for research. More information available at website: (http://www.im.ucalgary.ca/)

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The University of Calgary is committed to Employment Equity.

Please submit a curriculum vitae, a statement of aims and research interests, and reprints of two recent publications, and the names/addresses of three referees by January 15, 1996, to:

Dr. J.D. Reynolds, Chair  
Immunology Research Group  
The University of Calgary  
3330 Hospital Drive N.W.  
Calgary, Alberta, Canada T2N 4N1

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**Lindsay F. Kimball Research Institute**  
A Division of the New York Blood Center
**SYMPOSIUM**

The William Harvey Medical Research Foundation a Not-For-Profit Organisation

presents an international symposium on

New targets in inflammation: inhibitors of COX-2 or adhesion molecules

Monday 15th -Tuesday 16th April 1996 to be held at Sheraton New Orleans Hotel New Orleans, USA

Conference Chairmen
Nicolas Bazan and Sir John Vane

Topics include

- Structure of cyclo-oxygenases [COX-1 and COX-2]
- Induction of COX-2 in inflammation
- Differential inhibition of COX-1 and COX-2 by NSAIDs
- COX-2 and COX-1 knockout and overexpression
- Development of selective COX-2 inhibitors
- COX-2 expression in different organs including uterus, brain and synovial tissue
- Toxicity of NSAIDs including renal side effects
- Leukointegrins and ICAM-ligands
- Cytokines and adhesion molecules in the inflammatory response

Faculty includes


Poster presentations

Abstracts are invited

Hosted by

Louisiana State University Neuroscience Center of Excellence, New Orleans, USA

For information

Apply to Dr. J Maclagan, Conference Secretariat, William Harvey Research Conferences, The Medical College, Charterhouse Square, London EC1M 6BQ, UK. Tel +44 171-982-6181; FAX +44 171-982-6094 or Mrs. Zevenaar Flowers-Davis, LSU Neuroscience Center, 2020 Gravier Street, Suite B, New Orleans, Louisiana 70112. Tel 504-568-6700, ext. 321; FAX 504-568-5801

**CONFERENCE**

8th International Congress

Molecular Plant-Microbe Interactions

July 14-19, 1996 • Knoxville, Tennessee USA

To receive a registration brochure:

UT Conferences, P.O. Box 2648, Knoxville, TN 37901 USA

Phone: (423) 974-0280 • Fax: (423) 974-0264

WWW: http://www.ce.utk.edu/departments/conferences/confhome.html

Internet: UTConferences@Gateway.ce.utk.edu

**MEETINGS**

American Physiological Society

Physiology InFocus

Genetic Strategies for Understanding the Physiological Basis of Disease

Experimental Biology '96

April 14-17, 1996

Washington, DC

Monday, April 15 AM

Genetic Tools for Physiological Studies

Organizer: Garry R. Cutting

Speakers: Francis Collins, Mark Boguski, Phil Hieter, Barry Ganetzky

Tuesday, April 16 PM

Genetic Diseases Affecting Ion Channels

Organizer: Raymond A. Frizzell

Speakers: Eric Hoffman, Thomas Jentsch, Kurt Beam, David MacLennan, Richard Boucher

Monday, April 15 PM

Transgenic Strategies for Physiological Studies

Organizer: Craig Malbon

Speakers: Susumu Tonegawa, Craig Malbon, Ronald Kahn, Alexandra Joyner

Wednesday, April 17 AM

Ion Sensors and Transporters in Health and Disease

Organizer: Steven C. Hebert

Speakers: Edward Brown, Michael P. Kavanaugh, Jeffrey D. Rothstein, Matthias Hediger

For information, contact FASEB OSMC, Tel: 301-530-7010, Fax: 301-530-7014, E-Mail: eb@nsfaseb.org
ASSISTANT PROFESSOR
ENVIRONMENTAL TOXICOLOGY
Biochemical/Physiological Toxicology
University of California, Santa Cruz

The Department of Biology at the University of California, Santa Cruz invites applications for a tenure-track position at the level of Assistant Professor. The successful candidate will be expected to develop an extramurally funded research program in areas of biochemical and/or physiological toxicology focusing on fundamental molecular, biochemical or physiological mechanisms involved in the adaptations and responses of animals, plants, or microorganisms to environmental toxins. The candidate will be expected to teach both undergraduate and graduate courses in that area, and to actively participate in the development of a new graduate program in Environmental Toxicology. The successful candidate, who initially will be a member of the Department of Biology, will be the third of several appointments in a proposed Environmental Toxicology Program.

By January 31, 1996, applicants should submit a curriculum vitae, a brief description of research and teaching interests, copies of reprints, and arrange for three letters of recommendation to be sent to:

Biology/Toxicology Search Committee
Department of Biology
225 Sinzheimer Laboratories
University of California
Santa Cruz, CA 95064

Please refer to Provision #479 in your reply.

The University of California, Santa Cruz is an Equal Opportunity/Affirmative Action Employer.

Faculty Positions in Cancer Biology/Molecular Oncology

The newly formed Cancer Biology Program of Beth Israel Hospital is seeking applications for the position of Assistant Professor of Medicine. The successful candidate will hold the Ph.D. and/or M.D. degrees, and will have completed a minimum of two years of postdoctoral training in molecular or cellular biology, or genetics. Appointees will be expected to establish an independently funded research program in cancer biology. Applications are particularly encouraged from individuals with research interests and experience in the areas of (1) molecular genetic approaches (including knockout technology) to signal transduction with applications to oncology; (2) epithelial cell biology; or (3) novel targets for cancer therapy including apoptosis, cell cycle, repair/recombination, immunotherapy, telomeres. Generous start-up funds and some ongoing support will be provided. Members of the Cancer Biology Program currently focus on tyrosine phosphatases, steroid-thyroid hormone receptors, genetic instability in cancer and hematopoiesis. Candidates should send CVs and names of three references to:

Benjamin G. Neel, M.D., Ph.D.
Faculty Search Committee
Molecular Medicine Unit
Beth Israel Hospital, RW663
330 Brookline Avenue
Boston, MA 02215

The Beth Israel Hospital is an Equal Opportunity employer.

MOLECULAR REPRODUCTIVE BIOLOGY/DEVELOPMENTAL BIOLOGY

The Department of Physiology at the University of Maryland School of Medicine invites applications for a full-time, tenure-track position at the Assistant Professor level in the area of Molecular Reproductive/Developmental Biology. We are specifically seeking candidates who use innovative cellular, molecular, genetic, and/or transgenic approaches to study the regulation of cell migration, proliferation, differentiation, and related developmental processes in tissues of the reproductive system. Of particular interest are the signaling pathways through which hormones, growth factors, and other mediators control these complex events. Applicants must have a Ph.D. or M.D., at least two years of postdoctoral experience, and the potential to develop a strong, independent research program. Teaching responsibilities include participation in medical and graduate courses. The Department of Physiology ranks near the top of physiology programs in the U.S. in NIH-funded research and citations per faculty member. The Department and School of Medicine provide a stimulating environment for research, with several interdisciplin ary research and training programs - including Reproductive Biology, Molecular and Cell Biology, Membrane Biology, and Neuroscience - that promote interaction between faculty, fellows, and graduate students. Three NIH training grants provide core support for the strong graduate training program. The position is highly competitive with regard to start-up funds, laboratory space, salary, and benefits. Applicants should submit (1) curriculum vitae, (2) concise statement of research experience and plans, and (3) names of three references to: Robert D. Koon, Ph.D., Chair, Molecular Reproductive Biology Search Committee, Dept. of Physiology, University of Maryland School of Medicine, 655 West Baltimore Street, Baltimore, MD 21201-1559; Tel. 410/706-6437. Review of applications will begin January 31, 1996. The University of Maryland at Baltimore is an Affirmative Action/Equal Opportunity/ADA Employer, and has a strong institutional commitment to the principle of diversity in all areas.

MYRIAD GENETICS, INC.

Positions Available

Myriad Genetics, located adjacent to the University of Utah and in the foothills of the Wasatch Mountains, is a publicly-held genomics company focused on the isolation of significant disease-causing genes. Our scientific achievements include elucidating the role of the P16 tumor suppressor gene in human cancer (Science 264: 436-440), and the identification of the breast and ovarian cancer susceptibility gene BRCA1 (Science 266: 66-77). We currently have active programs in the areas of cancer, coronary heart disease, asthma, obesity, and osteoporosis. We also have major corporate collaborations with Ciba Geigy and Bayer pharmaceutical companies. We currently have the opportunity to expand our research efforts in the following areas:

Project Director: Requires a Ph.D. or equivalent, postdoctoral training, and at least five years of independent research experience. The ideal candidate will possess a strong background in molecular biology or genomics research and proven managerial ability.

Research Associates: Requires an M.S. or B.S. degree and a minimum of two years' molecular biology experience, or a Ph.D. without postdoctoral training. ABI sequencing and/or linkage analysis experience is preferred.

Scientific Applications Programmer: An M.S. degree in scientific or numerical subject and significant experience with C in a UNIX environment are essential.

Database Developer & Administrator: Requires a B.S. degree or equivalent and two years of experience with SYBASE, C, and UNIX.

Experience in genetics and DNA sequence analysis is preferred for both programmer positions. Macintosch experience is desirable.

We offer a competitive compensation package and a highly stimulating, interactive environment. Please send or fax your letter of interest specifying position, three letters of recommendation, a complete resume, and the names of three professional references to: Barbara Berry, Human Resources Dept. SCI, Myriad Genetics, Inc., 390 Wakara Way, Salt Lake City, UT 84108. Fax: 801-584-3640. EOE.
Molecular Biologists

There’s no better place to pursue a research career than with CIBA, a company recognized worldwide for innovative drug therapies that fulfill unmet medical needs. As part of an ongoing commitment to research excellence, we have several opportunities for molecular biologists with proven research experience.

Join a world class research effort on the forefront of discovery.

Working with a multidisciplinary team of scientists involved in drug discovery research, you will use your knowledge of molecular biology to identify novel cellular targets for drug discovery in cardiovascular disease. Qualified candidates should have experience in the molecular techniques used to study signal transduction pathways and gene expression. A bachelor’s degree and lab experience is required; a master’s degree is preferred.

We offer a competitive salary, excellent benefits and an environment designed for professional development. For confidential consideration, please send your resume with salary requirements to: Staffing Center, Ciba Pharmaceuticals Division, Department JN-398, 556 Morris Avenue, Summit, NJ 07901. We are an equal opportunity employer M/F/D/V.

Preparing for the future

ciba

Research Scientist

Neurophysiology

Lockheed Martin Engineering & Science Services is seeking candidates for a research position on our life sciences support contract at the NASA/Ames Research Center (ARC) in Mountain View, California. The research program at ARC, led by Dr. David Tomko, utilizes unique ground research facilities (including acceleration sleds and centrifuges) and spaceflight experiments, to study the effects of microgravity and acceleration on the vestibular system and vestibulo-ocular reflexes.

We are interested in individuals who will complement the existing research team. Acceptable candidates will have a Ph.D. in life sciences or bioengineering and 0-3 years relevant research experience. Background in computerized data collection and analysis is preferred. Training in rodent and primate surgery is valuable.

Applicants should have strong written and verbal communication skills in English and the ability to work successfully as part of an integrated research team. A publication record should reflect the ability to make independent contributions to a research program. Lockheed Martin offers competitive salaries and comprehensive benefits. For consideration, please forward your resume or curriculum vitae to: Ms. Blythe Asagi, Human Resources, Lockheed Martin Engineering & Science Services, P.O. Box 168, Moffett Field, CA 94035-0168. Lockheed Martin is an equal opportunity, affirmative action employer.

Microcide Pharmaceuticals Inc. has several positions for highly motivated and qualified individuals in our Discovery Biology Department.

Research Associates for positions in molecular microbiology. Qualified applicants will have a BA/BS or MA/MS and experience in a research laboratory using techniques of bacterial genetics and molecular biology (including recombinant DNA techniques and PCR amplification). Macintosh literacy is desired.

High Throughput Screening. Qualified applicants will have at least 4 years experience in high-throughput screening, strong creative skills, supervisory skills and a desire to undertake a challenging high throughput screening/database management position. Experience in anti-infective screening, the evaluation of natural product and synthetic compound leads, and screen design are preferred. Knowledge of antibacterial agents, bacterial genetics and physiology are desirable.

Microcide is an innovative San Francisco Bay Area pharmaceutical company focused on the discovery and development of novel antimicrobial agents for the treatment and prevention of human infections of bacterial origin. We have exciting opportunities for persons with initiative, flexibility and energy. We offer a competitive salary, excellent benefits and equality participation. Good communication skills, a teamwork orientation, and commitment to excellence are necessary for all positions.

Please send or FAX your resume to: Employment Officer - Discovery Biology Department, Microcide Pharmaceuticals, 850 Maude Avenue, Mountain View, CA 94043. FAX (415) 428-3534. An equal opportunity employer.

The State University of New Jersey

Rutgers

Graduate Research Training in Cellular/Molecular Biodynamics

Applications are accepted immediately for multidisciplinary Ph.D. program in CELLULAR and MOLECULAR BIODYNAMICS supported by grants from the NSF and consisting of research faculty from the Departments of Chemistry, Biological Sciences, Physics, and Behavioral and Neural Sciences. Students receive 5 years of full support ($14,000 + tuition). There is a strong emphasis on training in research techniques and strategies in BIOPHYSICS with special courses in: Biological Spectroscopy, Biological Optics and Cellular Biophysics. General areas of research training in laboratories well equipped with state-of-the-art instrumentation include: Biochemistry, Biophysics, Biomolecular Spectroscopy, Computational Modeling, Immunology, Laser Optics, Light and Electron Microscopy, Molecular Biology, Neuropharmacology, Neurochemistry and Neurophysiology. Qualified UNDERGRADUATE STUDENTS are also invited to apply for summer research internships ($2500 stipend). Applicants must be citizens or permanent residents of the US.

For further information and application forms, contact: Dr. Frank Jordan, Director, Program in Cellular and Molecular Biodynamics, Department of Chemistry, Rutgers University, Newark, NJ 07102. FAX 201-648-1264; e-mail: tfrjordan@andromeda.rutgers.edu.

Rutgers is an EEOAA employer and our Program specifically invites and encourages applications from women, minorities and the physically challenged.
### Global Career Opportunities

#### The Hong Kong University of Science and Technology

**School of Science**

**Head of Department of Biology**

The Hong Kong University of Science and Technology (HKUST) was opened in October 1991 as a technological university with special emphasis on research, graduate education, and close collaboration with industry and business. Enrollment is expected to grow to 7,000 (FTE) by 1997/98. The School of Science which comprises five departments: Biochemistry, Biology, Chemistry, Mathematics, and Physics enrolls about 1/4 of the University's undergraduate and graduate students.

The Department of Biology has comprehensive teaching and research programmes which cover all levels of biological organization, with emphasis on the molecular and cellular levels. The following academic degrees are offered: Bachelor of Science, Master of Science, Master of Philosophy and Doctor of Philosophy. Currently, there are 23 faculty members specializing in 1) molecular, cellular and developmental biology, 2) environmental and marine biology, 3) tumor biology, 4) neurobiology, and 5) plant biology. By the academic year 1997/98, the faculty size will grow to 26.

**Qualifications and Experience**

Applications/nominations are invited from well-qualified and accomplished biologists for the position of Head of the Department of Biology. In addition to extensive teaching and research experience, the successful candidate must have demonstrable leadership qualities necessary to lead and manage the Department.

**Salary and Conditions of Service**

Salary will be highly competitive. Generous fringe benefits including medical and dental benefits, annual leave, housing and children's education allowances are provided; air passages are also provided where applicable. Initial appointment will be on a three-year contract, a gratuity of an amount equal to 25% of the total basic salary drawn will be payable upon successful completion of contract.

**Application/Nomination Procedures**

Applications/nominations together with a detailed curriculum vitae and the names and addresses/fax numbers of three to five referees should be sent to the Director of Personnel, The Hong Kong University of Science and Technology, Clearwater Bay, Kowloon, Hong Kong (Fax No. (852) 2358-0700) before 31 January 1996. Please quote Ref. BIOL-HD on your application/nomination. The search will continue until a suitable appointment is made.

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### Global Career Opportunities

#### University of Dublin

**Trinity College**

**Chair of Geology and Mineralogy (1844)**

Applications are invited for appointment to the Chair of Geology and Mineralogy which has become vacant on the retirement of Professor C H Holland.

The successful applicant will have a distinguished reputation and an established record of research in any of the constituent disciplines of the subject and will be expected to provide academic leadership through a strong commitment to teaching and research.

The appointment will be effective from 1 October 1996 or as soon as possible thereafter.

Information about the Department of Geology and further particulars of the appointment, including details of salary and other benefits, may be obtained from:

**Michael Gleeson**

Secretary to the College

West Theatre

Trinity College

Dublin 2

Telephone: +353 1 608 1123/2197

Fax: +353 1 671 0037
e-mail: secretary@tcd.ie

The preferred closing date for receipt of applications is 31 January 1996.

**Trinity College is an equal opportunities employer.**

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### Fellows Programs

**United States - Israel**

BARD, The United States-Israel Agricultural R&D Fund, announces two Fellowship Programs promoting cooperative agricultural research.

The POSTDOCTORAL FELLOWSHIP PROGRAMS provide support for candidates who are citizens of either the United States or Israel and who have fulfilled the requirements for the Ph.D. degree within the last three years. American candidates must carry out their fellowship research in Israel and Israeli candidates must carry out their fellowship research in the United States. The initial award is for one year and, under certain conditions, one year extension will be considered. The award for the first year is $27,000 for living and travel expenses and a one time, $2,000 allowance for children (one or more). This is paid directly to the fellow. An allowance not exceeding $3,000 may also be paid to the host institution for operating expenses incurred in the research.

The RESEARCH FELLOWSHIP PROGRAM is intended to support citizens of the United States who are established research scientists in American non-profit research institutions, universities or federal and state agencies during a period of 4 to 12 months in Israel. The grant is $3,000 per month and will be paid in coordination with the base institution of the fellow. One round trip air ticket will be provided.

Applications for either program must reach BARD's offices by January 15.

For information on application procedures please contact BARD's offices at:

**BARD**

USDA-ARS-OIRP

Room 102, Bldg. 005, BARC-West

Beltsville, MD 20705

U.S.A.

Tel: 301-504-5605

Fax: 301-504-5699

**BARD**

The Volcani Center

P.O.B. 6

Bet Dagan

Israel 50250

Tel: 972-3-965133

Fax: 972-3-9662806

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### Global Career Opportunities

#### University of Dublin

**Trinity College**

**Chair of Geology and Mineralogy (1844)**

Applications are invited for appointment to the Chair of Geology and Mineralogy which has become vacant on the retirement of Professor C H Holland.

The successful applicant will have a distinguished reputation and an established record of research in any of the constituent disciplines of the subject and will be expected to provide academic leadership through a strong commitment to teaching and research.

The appointment will be effective from 1 October 1996 or as soon as possible thereafter.

Information about the Department of Geology and further particulars of the appointment, including details of salary and other benefits, may be obtained from:

**Michael Gleeson**

Secretary to the College

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Trinity College

Dublin 2

Telephone: +353 1 608 1123/2197

Fax: +353 1 671 0037
e-mail: secretary@tcd.ie

The preferred closing date for receipt of applications is 31 January 1996.

**Trinity College is an equal opportunities employer.**
Lectureship/Assistant Lectureship in Physiology

Applications are invited for a Lectureship/Assistant Lectureship (non-clinical) in the Department of Physiology (RF 95/6-53), tenable from 1 April 1996 or as soon as possible thereafter. Appointment will be made on a fixed-term basis of three years, with a possibility of renewal. Applicants should possess a PhD, MBBS, MD or equivalent qualification, with demonstrated ability to establish an independent and extramurally fundable research programme which complements ongoing programmes, and to teach Physiology to undergraduate and postgraduate students. Two to three years of post-doctoral experience in Physiology or related research areas with excellent organizational, supervisory and communication skills are desirable. Applicants should indicate clearly which level they wish to be considered for.

**Annual salaries** [non-superannuable but attracting 15% (taxable) terminal gratuity] are on the following scales, with starting salary depending on qualifications and experience: Lecturer HK$454,200 - HK$785,700 (11 points: approx. US$58,087 - US$98,532); Assistant Lecturer HK$350,780 - HK$423,360 (4 points: approx. US$42,968 - US$54,981). US$ equivalents as at 9 November 1995.

At current rates, salaries will not exceed 15% of gross income. Children’s education allowances, leave and medical benefits are provided; housing or tenancy allowances are also provided in most cases at a charge of a percentage of salary, currently 7/12.

Further particulars and application forms may be obtained from the Appointments Unit, Registry, The University of Hong Kong, Hong Kong (fax: [852] 2559 2058; E-mail: APPTUNIT@REG.HKU.HK). Particulars are also available on the University’s listserv accessed by E-mail as “listserv@hkuvm1.hku.hk” (specify “get appointment filelist” for list of vacant posts). Closes 2 January 1996.

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**Global Career Opportunities**

**UNIVERSITY OF DUBLIN**

**TRINITY COLLEGE**

**UNIVERSITY CHAIR OF BOTANY (1711)**

Applications are invited for appointment to the Chair of Botany (1711). The Department has established strength in research in the fields of ecology, ecophysiology, palaeoecology, taxonomy and mycology. This includes special interests in carbon fixation and partitioning, forest ecology, soil plant relationships, acrobiology, biocindicators, and the taxonomy of S E Asian floras. Collaboration is active with groups throughout Ireland and the rest of Europe, North and South America, East Africa, S E Asia and Australia. The resources of the Department include a major herbarium and a botanic garden.

The Department of Botany's main teaching contribution is to its 4 year Honours course leading to a B A (Moderation) in Botany. Contributions are also made to the Moderation courses in Environmental Sciences and Earth Sciences.

The successful applicant will have a distinguished reputation in research and will be expected to provide strong leadership in both teaching and research. The person appointed will serve as Head of Department in accordance with College regulations concerning headship.

The appointment will be effective from 1 October 1996 or as soon as possible thereafter.

Information about the Department of Botany and further particulars of the appointment, including details of salary and other benefits, may be obtained from:

**Michael Gleeson, Secretary to the College**

West Theatre, Trinity College. Dublin 2

Telephone: +353 1 608 1123/2197/Fax: +353 1 671 0037
e-mail: secretary@tc.d.ie

The preferred closing date for receipt of applications is 31 January 1996.

Trinity College is an equal opportunities employer.
Royal Netherlands Academy of Arts and Sciences

calls for nominations for the
Heineken Prizes 1996

The Royal Netherlands Academy of Arts and Sciences (KNAW) selects the recipient of the

- Dr. H.P. Heineken Prize for Biochemistry and Biophysics 1996
- Dr. A.H. Heineken Prize for Medicine 1996
- Dr. A.H. Heineken Prize for Environmental Sciences 1996

These biennial prizes, offered by the Heineken Foundation and the 'Alfred Heineken Fonds' Foundation, rewards outstanding scientific achievement in the field of biochemistry and biophysics, medicine and environmental research.

Along with a permanent token each Prize consists of Dfl. 250,000.-- (about US $ 160,000.--) to be spent at will.

Nominations are restricted to individual, active scientists whose contributions to biochemistry and biophysics, medicine or environmental research should be outstanding and a source of inspiration to others.

Nominations must include a description of the research work and publications on which the nomination is based, a curriculum vitae, bibliography, and one or two key publications. The deadline for nominations is January 1, 1996.

Nomination forms and general information are available from the

Secretariat of the Heineken Prizes,
Royal Netherlands Academy of Arts and Sciences
P.O.Box 19121, 1000 GC Amsterdam, The Netherlands

Telephone: 31 (0) 20 55 10 769, telefax: 31 (0) 20 6 20 49 41

Royal Netherlands Academy of Arts and Sciences

KWAZULU-NATAL PROVINCIAL
ADMINISTRATION
SOUTH AFRICA

FACULTY OF MEDICINE

Applications are invited from suitably qualified persons for appointment to the following posts which are on the Joint Medical Staff Establishment carrying University conditions of service.

Remuneration will be in accordance with that specified by the Public Service and will be made known upon request.

(Chief Specialist) Professor and
Head of the Department

DEPARTMENT OF HUMAN ANATOMY

ADV: MS 18/95 Closing date: 28.02.1996

Applicants must have a higher qualification in Anatomy or some aspect of clinical medicine and be registrable with the South African Medical and Dental Council as a Specialist. Experience in undergraduate and postgraduate medical education together with a strong academic background and a proven research record are University prerequisites. Candidates will be judged on their academic and service performance, research background, educational experience and administrative ability.

DEPARTMENT OF VIROLOGY

ADV: MS 18/95 Closing date: 28.02.1996

Applicants must have a higher qualification in Virology and be registrable with the South African Medical and Dental Council as a Specialist Virologist or have appropriate experience as a medical scientist. Experience in undergraduate and postgraduate medical education together with a strong academic background and a proven research record are University prerequisites. Candidates will be judged on their academic and service performance, research background, educational experience and administrative ability.

These are full time posts, however, limited private remunerative work may be considered upon application.

Access to teaching facilities, communities and laboratories provide opportunities for research across a wide clinical spectrum.

Application forms are available from the Personnel Section, Faculty of Medicine, P.O. Box 17036, Congella 4013, South Africa, Telephone +27-31-280-4419. Fax: +27-31-280-4410.

Global Career Opportunities

A major French pharmaceutical company is seeking for its research centre located in the west area of Paris a young scientist for a

POST-DOCTORAL POSITION

Cardiovascular Research

Qualifications include a PhD in biochemistry, cell or molecular biology and practical experience of classical techniques used in these fields. The position is an excellent opportunity to share and to gain valuable experience in a stimulating environment.

The successful candidate will join a pharmacology department active in cardiovascular drug discovery and will be involved in the study of the pathophysiology of the vascular wall (endothelial dysfunction, proliferation of vascular smooth muscle cells).

The position is vacant for 18 months.

Applicants are invited to send a curriculum vitae with a handwritten letter and a photo to Media System, 6 imposse des Deux Cousins 75849, Paris Cedex 17 France, quoting reference 19396.
The German Cancer Research Center (DKFZ) and the University of Heidelberg are establishing a clinical cooperation unit of Dermato-Oncology at the Department of Dermatology of the Klinikum-Mannheim, in order to promote cooperation between basic research, clinical research and patient care. The clinical cooperation unit will be a division of the DKFZ and located initially for a five year period within the premises of the Department of Dermatology at the Klinikum Mannheim. Tenure will depend upon the success of the cooperation and the scientific results.

The head of the clinical cooperation unit will be offered a

**Professorship (C3) for Dermato-Oncology**

at the Faculty of Medicine at Mannheim, University of Heidelberg.

Preference will be given to applicants with a focus on basic research in molecular and cell biology. Innovative and substantial contributions to the development of basic research into clinical applications, including methods of gene technology, are expected.

Medicinal licence ("Approval") is required, board certification in Dermatology and "Habilitation" or equivalent scientific work are expected.

Applications with a curriculum vitae and a complete list of publications should be sent to:
Deutsches Krebsforschungszentrum, Wissenschaftlicher Stiftungsvorstand Im Neuenheimer Feld 280, D-69120 Heidelberg by 31 January 1996.

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**The Chinese Academy of Sciences**

with the support of
the Max-Planck-Gesellschaft

intends to establish the second
**Independent Research Group**

at the Shanghai Institute of Cell Biology

for a

**Promising Chinese Scientist**

Applications are invited for a position as a

**Research Group Leader**

from scientists from China or abroad who have achieved a degree of international recognition in their field, preferably in

**Developmental Biology**

**Cell Biology**

**Molecular Biology or Neurobiology**

The Research Group Leader will be expected to conduct fully independent, original and dynamic research programs.

The position commands full scientific and economic independence and is limited to a maximum of five years; it is paid according to Chinese regulations. In addition, special social benefits, a supplement in foreign currency and travel grants are offered. The group will have modern laboratory facilities and funding for scientific and technical co-workers. The operating expenses include funds in foreign currency.

Applications, including a tabular curriculum vitae, a list of publications with reprints of three selected papers, a description of major scientific achievements and a summary of future research plans, should be submitted in English by January 15th 1996, to:

Professor Uli Schwarz (director)
Max-Planck-Institut für Entwicklungsbiologie
Postfach 2109, 72011 Tübingen, Germany
Fax No. 0049-7071-601447

Applicants from China are strongly encouraged to submit their applications.

A group of finalists will be invited to present their projects at a symposium in Shanghai in the first half of April 1996. Travel and accommodation expenses will be covered.

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**KAROLINSKA INSTITUTET**

Department of Bioscience at Novum Center for Structural Biochemistry

Research assistant/ Postdoctoral fellow

NMR spectroscopy in biology

The position is available within the Unit for NMR Spectroscopy at the Center for Structural Biochemistry (CSB), at the Department of Bioscience. The CSB is situated at the South Campus of the Karolinska Institutet encompassing the NOVUM Research Park in Huddinge, about 20 km south of the center of Stockholm.

The CSB has a staff of about 30 researchers and includes units for X-ray crystallography, molecular modelling, electron microscopy and NMR spectroscopy. The NOVUM Research Park provides an excellent environment with over 400 researchers within various biomedical disciplines.

The research within the Unit for NMR Spectroscopy concerns structural and biophysical studies of biomolecules. Present projects include studies of nuclear receptors, PCB-binding proteins, ribosomal proteins and DNA-binding proteins from archaeabacteria.

The NMR unit is equipped with a Varian Unity 500 MHz NMR spectrometer with all necessary hardware and extensive computing resources.

The applicant should have a background in the application of NMR spectroscopy for studies of biomolecular structure and dynamics. A second condition is that applicants should have experience in protein expression and/or protein biochemistry. The position is available for four years with an initial limitation of one or two years.

For further information contact Dr. Torleif Härén (email: th@csb.ki.se) (questions regarding qualifications etc.) or Ingvar Lennerfors (administrative questions) +46-8 608 92 23.

Applications should be sent to Karolinska Institutet, Department of Bioscience at Novum, S-141 57 HUDDINGE, SWEDEN together with CV, relevant publications, a short description of research interests and two recommendation letters. Please quote reference no. 5302/8 and note that we want your application in 1 original and 1 copy.

Closing date: December 22, 1995
CAREER CHANGE OPPORTUNITY

This unique program offers the candidate with an earned doctorate in the sciences the opportunity to obtain the Doctor of Optometry (O.D.) degree in two calendar years. Employment opportunities exist in private practice, industry, education, and research. Contact: Dr. D. Chaucer, Program Director, Accelerated Program, The New England College of Optometry, Room S, 424 Beacon Street, Boston, MA 02115.

MEDICAL UNIVERSITY OF SOUTH CAROLINA (MUSC)

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), biochemistry, medical genetics and molecular biology. Competitive stipends of $15,000 available. Contact: College of Graduate Studies, MUSC, 171 Ashley Avenue, Charleston, SC 29425-2501.

TECH SEARCH INTERNATIONAL

Positions available nationwide. Permanent and temporary, R&D, validation, production, QA/QC and executive levels. All disciplines, B.S., M.S., Ph.D., M.B.A. Mail resumes to: Tessie R. Cuy, Technical Director, P. O. Box 2302, Dublin, CA 94568. Telephone: 510-829-1327; FAX: 510-829-1727; Email: trecy@aol.com.

SUMMER INSTITUTE IN STATISTICAL GENETICS

June 6-18, 1996
North Carolina State University

The institute will consist of a series of short courses aimed at graduate students wishing to acquire statistical skills as well as statisticians wishing to become acquainted with genetic applications. The courses will cover statistical aspects of population genetic and quantitative genetics, sequence analysis, QTL mapping, and forensic calculations. Contact: Dr. B. S. Weir, Department of Statistics, North Carolina State University, Raleigh, NC 28695-8023, or visit WWW at http://www2.ncsu.edu/ncsu/CIL/stat_genetics.

BIOLOGY OF DISEASE VECTORS COURSE
COLORADO STATE UNIVERSITY
FORT COLLINS, COLORADO, USA

16 June to 26 June, 1996

The course provides a broad perspective of vector biology and emphasizes modern molecular and quantitative techniques. Subjects covered include: gene regulation, molecular systematics, genetic manipulation, blood-feeding, behavior, and population biology. The course is designed primarily for graduate students, postdoctoral fellows and faculty. Enrollment is limited to 30 students. Financial aid may be provided based on need. For application forms and further information contact: Dr. Stephen Higgins, Arthropod-borne and Infectious Diseases Laboratory, Foothills Campus, Colorado State University, Fort Collins, CO 80523-1682, USA. Telephone: 970-491-8804; FAX: 970-491-8823; Email: shiggse@vines.colostate.edu. Colorado State University is an Equal Opportunity/Affirmative Action Institution and complies with all federal and Colorado state laws, regulations, and executive orders regarding Affirmative Action requirements in all programs.

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Incorporated into Quantikine M (murine) immunoassay kits are many frequently requested features: small sample size (50 μL); a mid-range control; high precision (%CV ≤10%); and two 96-well microtiter plates. The kits also feature a single diluent for either serum or cell culture samples. Each kit can be completed in approximately 4.5 hours.

Currently, four Quantikine M immunoassay kits are available: IL-1β, IL-6, IL-10, and GM-CSF.