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Superior Quality Thermostable DNA-Polymerase

High Performance!
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▶ Replaces mineral oil – perfect for ‘Hot-Start’ reactions

Half-life 2.5 hours at 96°C

PrimeZyme DNA Polymerase Kit 500

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PRODUCTS & MATERIALS

Antibodies
Antibodies to human tumor necrosis factor (TNF)-α and TNF-β are part of a line of research products that includes eight growth factor products in the TNF family, recombinant human and mouse TNF-α, and recombinant human TNF-β. Sigma BioSciences. Circle 135.

The nm23-H1 gene product, also known as nucleoside diphosphate kinase A, is a possible mediator of cancer cell invasion and metastasis. Monoclonal antibody 37.6 reacts specifically with it in formalin-fixed, paraffin-embedded or frozen tissue sections. BioGenex. Circle 136.

Ki-67 antigen is a widely studied marker of cell proliferation, but until recently it has been reliable only in fresh or frozen tissues. Clone MIB-1 identifies the antigen in formalin-fixed, paraffin-embedded tissue sections. BioGenex. Circle 137.

HPLC System Test Kit
The new HPLC System Test Kit provides a quick and easy way to test the performance of a high performance liquid chromatography (HPLC) system. The kit includes a C18 column and both isocratic and gradient test mixes. Use the kit at the beginning of a method to establish that the instrument is functioning properly and to establish a chromatogram fingerprint. When variation in the chromatogram occurs, simply use the test column on the system. Any deviation from the fingerprint indicates a system-related problem, whereas reproduction of the fingerprint chromatogram indicates a column or method failure. Phenomenex. Circle 138.

Capillary Electrophoresis Kit
The eCAP dsDNA 20,000 kit for DNA analysis, teamed with the P/ACE Capillary Electrophoresis System, delivers automated, reproducible, and quantitative results in minutes, providing an attractive alternative to the traditional agarose slab gel method for DNA analysis of large fragments up to 20,000 base pairs. Qualitative and quantitative characterization of a DNA fragment from a plasmid digest or polymerase chain reaction amplification can be done immediately without prior sample preparation, including desalting. Beckman Instruments. Circle 139.

Tetrameric Avidin Resin
TetraLink Tetrameric Avidin Resin can be used to tightly bind biotinylated proteins for applications including preparation of affinity resins for the purification of antibodies. The strong affinity of the avidin-biotin interaction allows release of biotinylated molecules only under strongly denaturing conditions. The resin can be used in conjunction with the PinPoint in vivo biotinylation system, which produce biotinylated fusion proteins. The base support for TetraLink is a rigid methacrylate, polymeric gel filtration matrix that tolerates high flow rates and centrifugal forces in batch operation. Promega. Circle 140.

Multiple Format Microplate Reader
The Spectra Image reads any clear plate that fits within a 96-well plate footprint, including 6-, 24-, 48-, and 384-well plates. A special adapter is also available for terasaki plates and culture dishes. In addition to performing all standard photometer functions, the Spec-
Not all PES membranes are created equal

When it comes to fast flow and low protein binding, only Millipore gives you both in one membrane. The Millipore Express™ Membrane is made from a patented surface-modified polyethersulfone (PES) design. Just look at how we compare, even to other PES membranes.

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DNA Ligation Kit

The Rapid DNA Ligation Kit eliminates overnight ligation incubations. The kit performs high-efficiency, blunt, and sticky-end DNA fragment ligations in under 5 min at ambient temperature, cutting a day out of cloning experiments. All reagents required for ligation are supplied with the kit, so there is no need for preparation of buffers and addition of adenosine triphosphate and Mg++. Boehringer Mannheim. Circle 142.

Cell Purification Method

A new density perturbation technique allows the easy separation of cells on the basis of the immunological identity of the cell surface with the aid of antibody-coated nonmagnetic beads. Accubeads are significantly less expensive than magnetic beads and can give similar separations. The new method has a broad range of applications, for example, the separation of subsets of tissue culture cells and peripheral blood cells. Accurate Chemical and Scientific. Circle 143.

Genome Database CD-ROM

The Genome Interactive Database (GID), available on CD-ROM, is a collection of five interactive databases: GENATLAS, CEPH, CEPH/GENETHON, GENETHON, and GENSET. GID includes information about localizing genes and markers, the probes available for finding them, restriction fragment length polymorphisms, microsatellites, oligonucleotides for developing a sequence, the access number for a sequence bank, bibliographic references and abstracts from Medline, and more. John Libbey Eurotext. Circle 144.

Bacterial Lysates Without Centrifugation

The new QIAfilter cartridge is a filter designed to replace the centrifugation step after alkaline lysis of bacterial cells. Neutralized bacterial lysates are cleared in seconds, reducing plasmid purification time by up to 1 hour. The cartridge completely removes small-sized sodium dodecyl sulfate precipitates that cannot be separated by conventional centrifugation. Qiagen. Circle 145.

Image Analysis Software

BioMax ID Image Analysis Software is designed to analyze nucleic acid and protein electrophoresis gels. It provides molecular weight and mass data in Macintosh and Windows environments. Acquired images can be saved as TIFF or PICT files, facilitating publication or export to other software applications. Images for analysis can be acquired using a TWAIN compliance scanner, a digital camera that supports the TWAIN acquire mode, or any TIFF image file. Eastman Kodak Scientific Imaging Systems. Circle 146.

Literature

Vision is a bi–annual magazine aimed at scanning electron microscope users. Leica. Circle 147.


Spectrolinker XL-1000 UV Crosslinker describes an instrument that covalently binds nucleic acids to membranes in less than 30 s, 240 times faster than vacuum oven baking. Applications include crosslinking of DNA and RNA by covalently binding nucleic acids to nylon or nitrocellulose membranes after Northern (RNA), Southern (DNA), slot, or dot blotting; eliminating polymerase chain reaction contamination; nicking ethidium bromide–stained DNA in agarose gels; gene mapping for creating cleavage-inhibiting thymine dimers; ultraviolet sterilization; and more. Spectronics. Circle 149.

A recent issue of VIEW'S newsletter features an article on the sizing of DNA fragments by capillary electrophoresis. Other articles include "Methods for the Characterization of Synthetic Peptides" and "DNA Analysis Using Capillary Electrophoresis." Perkin Elmer. Circle 150.
Working with Congress: A Practical Guide for Scientists and Engineers

WILLIAM G. WELLS, JR.

"Anyone interested in participating in government can benefit from reading this clear-cut manual, which begins with an overview of how Congress works, opportunities for constituents to have an impact on Congress, seventeen cardinal rules for working with Congress, and procedures for hearings and preparing testimony. It also contains an invaluable appendix of names, addresses, telephone numbers, and congressional logistics."

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**POSITIONS OPEN**

**UNIVERSITY OF MIAMI**

**EVELUATIVE BIOLOGIST**

The Department of Biology, University of Miami, invites applications for a tenure-track position at the level of ASSISTANT PROFESSOR. We seek an evolutionary biologist with strong potential or demonstrated expertise for a botanist using physiological, genetic, or ecological approaches who will contribute to existing departmental strengths in population, behavior, ecology, and tropical biology. Ph.D. degree required. The successful candidate will be expected to develop an innovative, externally funded research program, and to participate in teaching at the undergraduate and graduate levels. Applicants should send curriculum vitae, representative reprints, and summary of research interests, and arrange to have three letters of reference sent to: William A. Scary, Chair, Search Committee, Department of Biology, P.O. Box 249118, University of Miami, Coral Gables, FL 33124-0421, by 7 December 1995. The University of Miami is an Equal Opportunity/Affirmative Action Employer.

**FACULTY POSITIONS—ZOOLOGY**

WEBER STATE UNIVERSITY (WSU)

The Department of Zoology invites applications for two tenure-track positions at the ASSISTANT or ASSOCIATE PROFESSOR level starting in September 1996. The Ph.D. is required. 1) Aquatic Ecologist with skills in fisheries: teaching responsibilities include general zoology, aquatic ecology and ichthyology. 2) Vertebrae Biologist: teaching responsibilities include human physiology, human anatomy, and upper division classes, e.g. cell physiology and anatomy. Research programs involving undergraduates is expected. Send cover letter, statement of teaching philosophy and research interests, curriculum vitae, and one to three reprints. Have letters of reference sent to: Dr. Sami Weber, Chair, Department of Zoology, c/o Human Resources, Weber State University, Ogden, Utah 84408-1016. Telephone: 801-626-6165; FAX: 801-626-4445. Information about WSU is available on the World Wide Web (http://WWW.WEBER.EDU). Deadline: 1 December 1995. Affirmative Action/Equal Opportunity Employer.

**FACULTY POSITIONS**

**CELL AND MOLECULAR BIOLOGY**

Applications are invited for tenure-track positions, at the level of ASSISTANT PROFESSOR, in the Department of Cell and Molecular Biology at Northwestern University Medical School. Candidates must have a Ph.D. or equivalent degree, postdoctoral experience and research experience in cell and molecular biology. The department is particularly interested in individuals with a strong record in the areas of cell biology, cell motility, nuclear architecture and function, or biological structure using high resolution microscopic techniques. Applicants will be screened with respect to their ability to carry on vigorous, independent research and to participate in departmental teaching programs. Send a complete curriculum vitae and a brief description of research interests to: Dr. Robert Goldman, Chair, Department of Cell and Molecular Biology, Northwestern University Medical School, 303 East Chicago Avenue, Chicago, IL 60611.

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

**Physiology—Creighton University School of Dentistry**

is seeking a Physiologist for a full-time, tenure-track position at the ASSISTANT/ASSOCIATE PROFESSOR level in the Department of Oral Biology. Position is available July 1, 1996.

Position qualifications include Ph.D. or equivalent. Major responsibilities include teaching and research. Additional facilities are available for collaborative research. Send curriculum vitae and names of three references to: Dr. Joseph J. Keene, Jr., Chair, Department of Oral Biology, Creighton University, 2500 California Plaza, Omaha, NE 68178. An Affirmative Action/Equal Opportunity Employer.

**ENDOWED CHAIR**

The Department of Anesthesiology, together with the Department of Cellular and Molecular Pharmacology at the University of California, San Francisco, seeks a distinguished investigator for an endowed chair, the first William K. Harzage Chair in Anesthesiology. The person will be responsible for research training of academic anesthesiologists and graduate students. Experience in basic cellular and molecular approaches related to anesthesiology and pharmacology is required. Send curriculum vitae and three references to: Dr. R. L. Davis, Chair, Department of Anesthesiology, University of California, San Francisco, California 94143-0648.

**ASSISTANT OR ASSOCIATE RESEARCH FACULTY POSITION**

The University of Georgia (UGA) Marine Institute on Sapelo Island, an institution with a 40-year history of coastal research, invites applications for a state-funded RESEARCH FACULTY position. We seek an individual with administrative skills and a proven track record in research and a demonstrated ability to direct a research program. Candidates who can form interdisciplinary research teams with colleagues at the Marine Institute, UGA and other marine institutions are encouraged to apply. Two positions are available. The application deadline is 15 December 1995. The University of Georgia is an Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR**

The Signal Transduction Laboratory of the Biotherapy Program at the University of Minnesota is seeking two faculty members to fill an annual, renewable, non-tenured ASSISTANT PROFESSOR position. Applicants should hold a Ph.D. or equivalent degree and have expertise in the area of molecular biology and signal transduction. Salary and adequate funds are available to allow the successful applicant to initiate an independent research program. Applications should submit a curriculum vitae, reprints of selected publications, and the names, addresses and telephone numbers of three individuals whom the applicant has asked to submit letters of recommendation by November 1, 1995 to: Search Committee, c/o Dr. F. M. Uckun, University of Minnesota, Box 356 UMHIC, 420 Delaware Street SE, Minneapolis, MN 55455. The University of Minnesota is an Equal Opportunity Educator and Employer.
**Director/Associate Director Bone Biology**

Wyeth-Ayerst, a worldwide leader in the pharmaceutical industry, is currently seeking a Director/Associate Director of Bone Biology to join us in Radnor, PA.

The successful candidate will manage the Bone Biology Group of Wyeth-Ayerst Global Discovery program in osteoporosis. You will be responsible for establishing and maintaining a bone biology group who will concentrate on discovering molecules which provide therapeutic strategies for the treatment of osteoporosis and bone related diseases.

Requirements include a Ph.D. in cell or molecular biology (or a related field) with bone biology or physiology training, and 6-8 years of related bone biology experience. Osteoporosis experience in a pharmaceutical setting is preferred, but experience in this field in a clinically-oriented academic environment will be considered.

Wyeth offers an excellent salary and benefits package. If interested, please send resume including salary requirements, to: Wyeth-Ayerst Research, Human Resources Dept. #R-1608, P.O. Box 6299, Philadelphia, PA 19101. Or you may fax your resume directly into our centralized Research resume database at (610) 989-4854. Principals only. Equal Opportunity Employer, M/F/D/V.

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**senior or principal research scientist-cns**

We are seeking a neuroscientist who will join a multidisciplinary CNS drug discovery department which emphasizes molecular approaches to drug design. Candidates should be accomplished researchers with postdoctoral experience and a significant publication record in areas of molecular, cellular or biochemical pharmacology. The specific research field is not as important as accomplishment and expertise in modern molecular neuroscience. Researchers with experience in a variety of specialties will be considered, including signal transduction (receptors, ion channels, kinases/photosphotases), primary and organotypic cultures, antisense technologies, cytoskeletal interactions and gene regulation.

This researcher will direct a group of Associate Scientists and directly contribute to multiple CNS drug discovery projects. Both senior and recent postdoctoral scientists will be considered. We can offer the successful candidate a stimulating scientific environment, competitive salary and a comprehensive benefits package. For immediate consideration please forward your resume to: Human Resources Department, CNS-1095, The DuPont Merck Pharmaceutical Company, P.O. Box 80400, E400-2413, Wilmington, DE 19880-0400. An equal opportunity employer.

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**PENN UNIVERSITY OF PENNSYLVANIA**

Postdoctoral/Visiting Scientist in Cancer Genetics

Positions are available to apply Representational Difference Analysis to cloning and characterization of tumor suppressor genes (see Science, 259: 946-951, 1993; Nature Genetics, 6: 57-63, 1994; PNAS, 92: 151-155). A strong background in molecular biology is required preferably with experience in gene hunting and gene expression in mammalian cells.

The University of Pennsylvania Medical Center provides an excellent research environment with brand new laboratories and exceptional research facilities. Send curriculum vitae, summary of past research, and names of three references to:

Dr. Nikolai A. Lisitsyn  
Department of Genetics  
University of Pennsylvania  
Rm. 7058 Stellar-Change Labs  
422 Curie Boulevard  
Philadelphia, PA 19104-6100  
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To qualify, you must have a PhD with at least 4 years of related experience including an extensive background with immunochemistry and hemostasis; industry experience is preferred. Knowledge of cGMPs, strong communication and team building skills, and proven supervisory abilities are also required. Additionally, you should possess a background in instrumentation design and development, technical knowledge in the field of Thrombosis and Hemostasis, and familiarity with IVD product development.

We offer competitive salaries and comprehensive benefits including medical/dental insurance, 401(k) plan, and our LIVE FOR LIFE Wellness Program with on-site fitness center. To apply, please send a copy of your resume suitable for scanning into our database (i.e., clean/clear, no graphics, and preferably unfolded) to: Dept. 484, Johnson & Johnson Recruiting, P.O. Box 16597, New Brunswick, NJ 08906-6597.

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UNIVERSITY OF CALIFORNIA AT BERKELEY
Department of Chemistry
Search Committee in Chemistry

The Chemistry Department at the University of California at Berkeley solicits applications for a position as ASSISTANT PROFESSOR of Chemistry, beginning in the fall of 1996. The University seeks a qualitatively outstanding and energetic candidate in synthetic and physical chemistry, particularly materials chemistry, who will supervise graduate students and postdoctoral associates and teach courses in physical chemistry at the undergraduate and graduate levels. Excellent candidates should send a CV, letters of recommendation, and digital files of publications. Review of applications will continue until the position is filled. Applications are encouraged from individuals representing underrepresented groups in the scientific community.

ASSISTANT PROFESSOR of Biology—The University of Pittsburgh at Bradford invites applications for a tenure-track position beginning fall 1996. Applicants must have a Ph.D. in an area of plant biology. Preference will be given to candidates with demonstrated teaching effectiveness at the undergraduate level and an active research program. The successful candidate will be expected to teach courses in introductory biology, botany, genetics, ecology, and in related areas. Other duties include directing graduate and undergraduate research, academic advising, and developing and teaching undergraduate programs. Applications are encouraged from individuals representing underrepresented groups in the scientific community. The position is available to begin in Fall 1996. Applications are invited from individuals representing underrepresented groups in the scientific community. Send curriculum vitae, letter of application stating teaching experience and research interests, official transcripts, and three letters of recommendation by December 15, 1995, to: Chairman, Search Committee, University of Pittsburgh at Bradford, Department of Chemistry, 16701-2898, Affirmative Action/Equal Opportunity Employer.

DEPARTMENT OF PATHOLOGY

The Bowman Gray School of Medicine is seeking a CHAIR for the Department of Pathology. This senior investigator will be charged with developing strong, nationally visible programs in cancer research and in neuroscience and cardiac disease research. He or she will be expected to maintain strong existing programs in undergraduate and graduate education as well as to provide the vision, conceptual, and academic leadership for the Department through the changing environment of managed care. Please send curriculum vitae, funding history, and the names of five references to:

Chairman—Search Committee
Department of Dermatology
Bowman Gray School of Medicine
Winston-Salem, NC 27157
Affirmative Action/Equal Opportunity Employer.

GROSS ANATOMIST

The Division of Preclinical Medical Education of the New York College of Osteopathic Medicine invites applications for the position of ASSISTANT PROFESSOR of Anatomy. Primary teaching responsibilities in Human Gross Anatomy. The ability to teach either Histology or Neuroanatomy is desirable. Applicants must have a Ph.D., experience teaching Human Gross Anatomy in a medical school environment, and a strong record of research and publication in the area of tissue/molecular research. Research interests should complement the department’s existing strengths in vertebrate paleontology and evolution. Deadline for receipt of applications is December 15, 1995. Please send curriculum vitae and details of teaching/research experience, grant record, and three references to: Dr. Arnold L. Nagler (Associate Dean), 2202 W. 21st Street, Albany, NY 12203.

ASSOCIATE/FULL PROFESSOR of Neuroanatomy, New York College of Osteopathic Medicine, 165 East 68th Street, New York, NY 10021. Telephone: 212-434-4507. A full-time, 1-year position is available. Applications are encouraged from women and minority candidates. The University is an Affirmative Action/Employer.

UNIVERSITY OF CALIFORNIA
Department of Neurobiology

The University of California invites applications from cell or developmental biologists for the position of ASSOCIATE or FULL PROFESSOR in the Department of Biological Sciences. Applicants are encouraged from all disciplines in Biology who are pursuing research programs with high visibility in the research community, and the capacity to forge strong intra-university collaborations in teaching programs and centers. Teaching responsibilities will be in the area of cell or developmental biology. Preference will be given to applicants with research interests in vertebrate development or molecular cytology, although applicants with interests in any area of Biology are encouraged. Please send curriculum vitae, summary of research interests, names of three references to: Dr. David A. Greenberg, Chair, Search Committee, Department of Biological Sciences, University of California, 138 Biology Building, Iowa City, IA 52242-1324.

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

UNIVERSITY OF CHICAGO
Department of Organismal Biology and Anatomy

The Department of Organismal Biology and Anatomy seeks applications for a position beginning July 1, 1996. We expect to fill this position at the level of assistant professor, but individuals at a higher rank will be considered. The successful candidate will have demonstrated excellence in research in organ/tissue development and be committed to building an independent research program. Applicants are encouraged from all disciplines. Additional information and applications are available from: R. J. Segal, Chair, Search Committee, Department of Organismal Biology and Anatomy, University of Chicago, 1025 East 57th Street, Chicago, IL 60637. Review of applications will commence December 1, 1995; however, applications will be accepted until the position has been filled.

ASSOCIATE/FULL PROFESSOR and/or PROFESSOR in Neurobiology and Anatomy, Department of Organismal Biology and Anatomy, University of Chicago, 5855 South University Avenue, Chicago, IL 60637. The Department of Organismal Biology and Anatomy seeks applications for a position beginning July 1, 1996. We expect to fill this position at the level of assistant professor, but individuals at a higher rank will be considered. The successful candidate will have demonstrated excellence in research in organ/tissue development and be committed to building an independent research program. Applicants are encouraged from all disciplines. Additional information and applications are available from: R. J. Segal, Chair, Search Committee, Department of Organismal Biology and Anatomy, University of Chicago, 1025 East 57th Street, Chicago, IL 60637. Review of applications will commence December 1, 1995; however, applications will be accepted until the position has been filled.

The University of Chicago is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are strongly encouraged to apply.

POSITIONS OPEN

UNIVERSITY OF CALIFORNIA
Department of Neurobiology

The University of California invites applications from cell or developmental biologists for the position of ASSOCIATE or FULL PROFESSOR in the Department of Biological Sciences. Successful candidates must have significant experience directing independent research programs with high visibility in the research community, and the capacity to forge strong inter-university collaborations in teaching programs and centers. Teaching responsibilities will be in the area of cell or developmental biology. Preference will be given to applicants with research interests in vertebrate development or molecular cytology, although applicants with interests in any area of Biology are encouraged. Please send curriculum vitae, summary of research interests, names of three references to: Dr. David A. Greenberg, Chair, Search Committee, Department of Biological Sciences, University of California, 138 Biology Building, Iowa City, IA 52242-1324.

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

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UNIVERSITY OF CINCINNATI
Director, Developmental Biology

Applications are invited for the position of DIRECTOR of Developmental Biology and Albert Sabin Professor of Pediatrics to lead a well-established program in molecular and developmental biology. We will expect the successful candidate to direct their own research program, lead the Division of Developmental Biology (a 10 member Ph.D. faculty), and to participate in the training of mammalian development. Applicants must have a Ph.D. degree and 6 years post-doctoral experience to be considered.

FACULTY POSITION

Ben-Gurion University of the Negev
Faculty of Health Sciences

The Faculty of Health Sciences invites applications for a position of Assistant Professor or Associate Professor in a tenure-track FACULTY POSITIONS in Basic Medical Sciences. Candidates should have experience teaching medical students in an area of biology, microbiology, virology, human genetics, biochemistry, molecular biology, developmental biology, or immunology.

DEPARTMENT OF BIOLOGY

The Department of Biology at the University of Illinois at Urbana-Champaign is seeking applications for an ASSOCIATE or FULL PROFESSOR position. The position is available to begin in Fall 1996. Candidates holding the Ph.D. degree and conducting research in any area of psychopharmacology/neuropsychopharmacology that has a relation to human behavior or the nervous system are encouraged to apply. Teaching is at both undergraduate and graduate levels. Salary is dependent on qualifications and experience. For full consideration, a curriculum vitae, a statement of research interests, and three letters of recommendation should be sent by January 31, 1996, to: William Greenough, Psychology Department, University of Illinois at Urbana-Champaign, Urbana, IL 61801. Telephone: 217-333-4472. The University is an Affirmative Action/Employer.

NMR Spectrometers. As part of a major commitment to the development of structural biology at the University of Pennsylvania, the Department of Biochemistry and Biophysics invites applications for tenure-track positions in NMR spectroscopy at the ASSOCIATE, ASSOCIATE/FULL PROFESSOR levels. Applicants should have demonstrated expertise and accomplishments in modern multidimensional NMR with a strong background in protein structure and conformation, dynamics, and function. Please send curriculum vitae and a statement of background and future scientific interests, and three letters of recommendation to: Rush S. Leibler, Chair, Search Committee, Department of Biochemistry and Biophysics, 414 Anatomy-Chemistry Building, University of Pennsylvania School of Medicine, Philadelphia, PA 19104-6003. Applications from women and minorities are encouraged.

ASSOCIATE/FULL PROFESSOR of Neuroanatomy, New York College of Osteopathic Medicine, 165 East 68th Street, New York, NY 10021. Telephone: 212-434-4507. A full-time, 1-year position is available. Applications are encouraged from women and minority candidates. The University is an Affirmative Action/Employer.

Applications from women and minorities are encouraged.
GLOBAL CAREER OPPORTUNITIES

UNIVERSITY COLLEGE LONDON

Lectureship in History and Philosophy of Biology

Applications are invited for the above post for candidates suitably qualified in the History and Philosophy of Biology. The candidate is expected to have teaching and research potential to fit into the Department's undergraduate and graduate programmes.

The salary is on the Lecturer A/B scale, £15,154 - £26,430 per annum plus £2,134 per annum London Allowance. Completed applications should include a full CV, a description of research interests and sample publications.

Enquiries and applications to: Professor A J Miller, Department of History, Philosophy and Communication of Science, University College London, Gower Street, London WC1E 6BT. (Tel: +44 171 389 1328; Fax: +44 171 916 2435; email: a.j.miller@ucl.ac.uk)

We would expect to fill this position in January 1996.

Closing date: 31 October 1995.

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Immunologist/Biochemist

At Hewlett-Packard's Bioscience Products Organization in Palo Alto, California, our investments in Research & Development is one of the highest among Fortune 500 companies. Currently, we are seeking a creative, motivated Research & Development professional who is interested in expanding the boundaries of technology.

An opportunity exists for a skilled and motivated scientist to join a multi-disciplinary team developing novel diagnostics with experience in antibody-based technology including the generation, purification and characterization of monoclonal antibodies. You should also have experience generating and handling antibody fragments, as well as labeling. Abs by a variety of techniques. Experience with HPLC, CE, ELISAs and PAGE is necessary. Experience with CE analysis of Ab-Ag interactions, bispecific ABS, or phage display Abs is a plus. Requires a PhD in Immunology or Biochemistry with 2+ years' experience. Demonstrated ability to work successfully in a team environment and excellent spoken and written English a must. Experience with product development desirable.

Hewlett-Packard Company offers a competitive salary and benefits package. To apply for this Palo Alto, California opening, please send your resume to Hewlett-Packard Company, Attn: Ad #26772/309698, 1206 Kifer Road, MS100D-EY, Sunnyvale, CA 94086 or e-mail Elaine Yamada at hp2250@desktop.com. Hewlett-Packard Company is an equal opportunity employer dedicated to affirmative action and work force diversity.
Applications are invited for a tenure-track position in the Department of Microbiology at the level of ASSISTANT PROFESSOR commencing August 16, 1996. In addition to teaching, the candidate is expected to establish an active, competitive, research-oriented laboratory. The University of North Carolina at Greensboro (UNCG) announces a search for the Marie Fosco Rueck Professorship of Chemistry, a new, endowed position. The position will be filled by a person with a strong chemistry background whose research interests are in any area of biological chemistry. Applications are encouraged for an individual who currently holds the rank of Associate Professor or Professor; the appointment will be made at the full professor level with tenure. The successful candidate will have a research program with the potential to compete for external funding and will be expected to teach introductory and upper level courses in biochemistry. UNCG offers the B.A., B.S., (ACS certified), and the M.S. degrees. A B.S. degree program in biochemistry is being planned. Preference will be given to candidates who are able to collaborate with faculty in other departments, such as Biology, and in Ph.D. granting areas, such as Foods and Nutrition. He or she will also be involved in hiring new faculty in the biochemistry area. Salary and support for research from the endowment are negotiable. Please send curriculum vitae, a synopsis of current and planned research activities, and arrange for three letters of recommendation to be sent to: Dr. M. F. Farona, Head, Search Committee, Department of Chemistry, UNCG-Greensboro, Greensboro, NC 27412. Applications must be received by December 1, 1996. Equal Employment Opportunity/Affirmative Action Employer.

THE OHIO STATE UNIVERSITY

Faculty Positions in Molecular Neurobiology

Applications are invited for two tenure-track faculty positions at the ASSISTANT, ASSOCIATE or FULL PROFESSOR level. The successful candidates will join the faculty of the new laboratory of Neurotechnology Center. The new faculty members will be expected to apply molecular biological approaches to address questions in neuroscience, with one position emphasizing the use of vertebrate model systems including zebrafish. A transgenic mouse facility and other excellent facilities are available in the Neurotechnology Center. The Ohio State University has made a major commitment to establish an outstanding interdisciplinary program in molecular neurobiology, which is a focus area for further development under a Molecular Life Science initiative. Applicants should submit a curriculum vitae, statement of research plans, and arrange to have three letters of reference sent to: Chair, Molecular Neurobiology Search Committee, Neurotechnology Center, The Ohio State University, 206 Rightmire Hall, Columbus, OH 43210.

Deadline for receipt of applications is December 15, 1995. The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Women, minorities, Vietnam-era veterans, and persons with disabilities are encouraged to apply.

BETH ISRAEL HOSPITAL

HARVARD MEDICAL SCHOOL

DEPARTMENTS OF PATHOLOGY

The Harvard Department of Pathology at Beth Israel Hospital seeks well-qualified applicants (Ph.D., M.D./Ph.D. or M.D.) for one or possibly two ASSISTANT or ASSOCIATE PROFESSOR positions as part of an expansion of our basic research program in tumor biology into new laboratory space. At minimum, candidates should have Ph.D. or M.D. and three to five years of relevant postdoctoral experience and should have the capability of directing an independent research program in an academic setting in areas of tumor biology such as tumor stroma and its generation, angiogenesis, the tumor microvasculature, tumor invasion or metastasis. Candidates are expected to participate in the teaching activities of the department, i.e., medical students, residents, graduate students and postdoctoral fellows. Major areas of interest include angiogenesis and stroma generation, pericyte-stromal interactions and VPF/VEGF and its receptors and wound healing. Applicants should send curriculum vitae, a statement of research interests, and three letters of recommendation to Dr. F. Dvorak, M.D., Chief, Department of Pathology, Beth Israel Hospital, 330 Brookline Avenue, Boston, MA 02215. Beth Israel Hospital and Harvard Medical School are Equal Opportunity/Affirmative Action Employers. Women and minorities are encouraged to apply.

ASSISTANT PROFESSOR OF BIOLOGY

TENURE-TRACK beginning August 20, 1996. Animal Physiology. Teaching includes animal and human physiology, an introductory animal physiology course for majors. Must participate actively in undergraduate and Master's level research. Ph.D. required and postdoc desirable. Department of Biology. Reply with letter of interest, CV, and 3 letters of recommendation by December 15, 1996. Send letter of application, resume, transcripts, and three letters of recommendation to: Assistant Professor of Biology, Department of Biology, Berry College, Mount Berry, GA 30149.

Salary: $30,000, plus benefits. Ph.D. in animal physiology or related field required. Candidate should have an established record of competitive research and experience teaching animal physiology at the college level. Salary is negotiable. Applications will begin received November 15, 1996. Review of applications will be December 1, 1996, and continue until the position is filled. Berry College is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT/ASSOCIATE PROFESSOR

The University of Illinois College of Medicine at Rockford seeks applicants for an ASSISTANT/ASSOCIATE PROFESSOR of microbiology to its diversified Department of Biomedical Sciences. The specific research area is negotiable, although experience in solve studies at the molecular level. Contribution to the virology section of a team-taught course in medical microbiology is expected. Submit curriculum vitae, a short statement of the research interests, and the names, addresses and telephone numbers of three references to: Dr. Fu-Li Yu, Professor and Head, Department of Biomedical Sciences, University of Illinois College of Medicine at Rockford, 1601 Parkview Avenue, Rockford, IL 61107. Review of applications will begin December 1, 1996, and continue until the position is filled. The University of Illinois is an Equal Opportunity/Affirmative Action Employer.

The University of Iowa College of Medicine is seeking a FACULTY POSITIONS in a new program focusing on the cell and molecular biology of inflammmation. Qualifications include: Expertise in the cell biology of phagocytes, endothelial cells, complement, and leukocyte-endothelial cell interactions and the ability to be an independent investigator. Preference for an established record of competitive research and experience teaching cell biology at the college level. Salary is negotiable. Salary is based on the academic level of the position and the applicant's qualifications and experience. Applicants should submit curriculum vitae to: Randall Jordon, Assistant to the Chair, Department of Internal Medicine, SE301 GH, The University of Iowa, Iowa City, Iowa 52242. The University of Iowa is an Equal Opportunity and Affirmative Action Employer. Women and minorities are strongly encouraged to apply.
Howard Hughes Medical Institute

Postdoctoral Research Fellowships for Physicians

1996 Competition

30 Fellowships will be awarded to physicians by the Howard Hughes Medical Institute for three years of training in fundamental biomedical research. Awards, based on an international competition, focus on research directed to understanding basic biological processes and disease mechanisms. Fellowships may be held at any academic or nonprofit research institution, including but not limited to Hughes laboratories.

Fellowship Terms

- Three years of support
- Full-time fundamental research
- $40,000-$57,500 annual stipend
- $16,000 annual research allowance
- $13,000 annual institutional allowance

Eligibility

- M.D., M.D./Ph.D., M.B.B.S., or D.O., with the first medical degree awarded no earlier than 1986
- At the start of the fellowship
  - at least two years of postgraduate clinical training completed
  - no more than two years of postdoctoral research training completed
- Applicants (and fellows) may not have faculty appointments
- Fellows may not be enrolled in graduate degree programs
- No citizenship requirements: U.S. citizens may study abroad, but others must study in the United States

Schedule

- Application deadline: December 18, 1995
- Awards announced: July 1996
- Fellowships start: September 1, 1996–September 1, 1997

1996 Program Announcements and Applications

Howard Hughes Medical Institute
Office of Grants and Special Programs
Department CC96
4000 Jones Bridge Road
Chevy Chase, MD 20815-6789, United States of America
Telephone: (301)215-8889
Fax: (301) 215-8888
E-mail: fellows@hq.hhmi.org

The Howard Hughes Medical Institute, an Equal Opportunity Employer, welcomes applications from all qualified candidates and encourages women and members of minority groups to apply.
California Careers Forecast

Issue date: 1 December
Space Reservation Deadline: 10 November

In this special advertorial, we will look at current trends and news surrounding the biotech and pharmaceutical industry in California, making this issue an excellent opportunity to draw more attention to the scientific career opportunities available within your company.

TAKE ADVANTAGE OF OUR 25% DISCOUNT!
Repeat your ad within 8 weeks and receive 25% off the second placement!

FREE PLACEMENT ON SCIENCE Global Career Network!
Every advertisement in the 10 November issue receives placement on the Science world wide web service.
SCIENCE Global Career Network address: http://www.aaas.org

For more information or to reserve your space, call Janis Crowley at (202) 326-6532.

Minority Advertising Supplement with Bonus Distribution to 27 Minority Organizations

"Diversity and the Scientific Community"
Issue date: 10 November
Space Reservation deadline: 24 October

Four Great Reasons to Advertise!
1. **Bonus Distribution** to 27 Minority Organizations. Reach minority scientists with your recruitment message through bonus distributions.
2. **Preferred placement for full page advertisers.** Full page advertisers receive placement in the special advertising section. An index of full page advertisers on the cover of the bonus distribution copies will direct readers to your ad in the section.

3. Career planning information delivers added impact. The minority special advertising supplement contains valuable reference charts and scholarship information to be saved and used as a career planning resource.
4. **FREE placement on SCIENCE Global Career Network.** Every advertisement in the 10 November issue receives placement on the Science world wide web service. Also, full page ads receive a feature index listing that allows on-line users to link instantly to your ad.

For more information or to reserve your space, call Janis Crowley, (202) 326-6532.

For more information or to reserve your space, call Janis Crowley, (202) 326-6532.
Wayne State University

ASSISTANT/ASSOCIATE PROFESSOR OF ANATOMY AND CELL BIOLOGY

The Department of Anatomy and Cell Biology at Wayne State University invites applications for two tenure-track positions at the assistant/associate professor level. For one position, the department seeks an individual whose interests complement the research foci of the department in visual science/neuroscience. Applications are invited from candidates with expertise in molecular or cellular biology. The second tenure-track position is to be held jointly in the departments of Anatomy and Cell Biology and Ophthalmology. The department seeks a candidate whose research is focused in the area of molecular biology/genetics of ocular diseases. The successful candidates will be expected to have or to establish a well-funded, independent research program and to participate in teaching. Excellent start-up funds and laboratory space are available and collaboration is fostered by a Core Vision Grant. Applicants should have a Ph.D. or M.D. degree and postdoctoral experience. The search committee will accept applications until the positions are filled. Candidates should submit a letter, curriculum vitae, and the names of three references to: Linda Hazlett, Ph.D., Chair, Department of Anatomy and Cell Biology, Wayne State University School of Medicine, 540 East Canfield, Detroit, MI 48201.

Wayne State University is an equal opportunity/affirmative action employer. People working together to provide quality service. All buildings, structures and vehicles at WSU are smoke-free.

Opportunities in RNA Research

As part of a major restructuring of our anti-infective research capabilities, we are seeking to appoint postdoctoral and graduate scientists in an expanding research group focusing on the application of RNA research in anti-infective drug development. Topics under investigation include both RNA-based chemotherapeutic targets and the use of RNA as a research tool to probe macromolecular interactions.

Ph.D. applicants should have a minimum of three years' experience in one or more of the following technologies: in vitro RNA/RNA-ligand structure probing, in vitro translation systems, molecular biology, general RNA and protein biochemistry. Experience with bioinformatics is also desirable.

MS/BS applicants, preferably with up to five years' related research experience, are also invited to apply for positions within this group.

These appointments will provide the opportunity to work at the forefront of this exciting area in a highly motivating work environment and in conjunction with leading academic departments worldwide.

Our newly acquired, state-of-the-art research facility is located at Upper Providence, in suburban Philadelphia. SmithKline Beecham offers an excellent compensation/benefits/relocation package and a stimulating team environment. For confidential consideration, please send your resume and salary requirements to: SmithKline Beecham Pharmaceuticals, Job Code: M002, PO. Box 2845, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.

SB
SmithKline Beecham Pharmaceuticals
Challenging the natural limits.

3-Dimensional Pharmaceuticals, Inc., a company integrating cutting edge technologies in Structure-Based Drug Design, Combinatorial Chemistry and Chem-Informatics to discover breakthrough pharmaceuticals, seeks individuals with outstanding qualifications in the following areas:

- **ENZYMOLoGY** – Positions are available to develop enzyme and receptor binding assays, perform kinetic characterizations, determine enzyme and inhibitor mechanisms and support protein production. Ph.D. level and BS/MS level candidates with 2-3 years of experience will be considered. Experience in laboratory automation, high throughput assay development or analytical/biochemistry is particularly desirable.

- **MOLECULAR BIOLOGY** – Several positions are available for BS/MS candidates with one or more years of experience to clone and express novel engineered proteins. Particular consideration will be given to individuals with backgrounds in heterologous expression in E. coli, yeast or insect cells or with broad experience in PCR mutagenesis.

3DP is located in Exton, Pennsylvania, and offers a comprehensive compensation and benefits package. Qualified individuals are invited to send a resume with contact data for three references to: 3-Dimensional Pharmaceuticals, Inc., Eagleview Corporate Center, 665 Stockton Drive, Suite 104, Exton, PA 19341.

3-Dimensional Pharmaceuticals, Inc.
An Equal Opportunity Employer

Postdoctoral Fellowships at the Woods Hole Oceanographic Institution

Applications are invited from new or recent doctorates in the fields of biology, molecular biology, microbiology, chemistry, engineering, geology, geophysics, mathematics, meteorology and physics, as well as oceanography. Recipients of awards are selected on a competitive basis, with primary emphasis placed on research promise. Fellowships are awarded for 12-18 month appointments with a stipend of $36,000 per year, plus group health insurance and a modest research budget. Recipients are encouraged to pursue their own research interest in association with resident staff.

Completed applications must be received by January 16, 1996 for the 1996-97 awards. Awards will be announced in March. Write for application forms to: Dean of Graduate Studies, MS #31, P.O. Box 5, Woods Hole Oceanographic Institution, Woods Hole, MA 02543-1541. Or call (508) 457-2000, ext. 2200 or Email: campbelldh@whoi.edu.
ASSISTANT PROFESSORS

The Department of Zoology and Physiology at Louisiana State University anticipates two tenure-track ASSISTANT PROFESSOR positions, "Pending Final Approval." The openings, starting August 1996, are in any area of (1) Vertebrate Physiology, but with special consideration given to molecular biology and genetics; and (2) Cell Biology, but with special consideration given to genetics and molecular biology. Candidates will be expected to have an undergraduate and graduate education in cell biology, develop new research programs in co-operation with other programs in the Department of Zoology and Physiology, and participate in undergraduate teaching. Successful applicants are expected to develop a strong, independent research program with extramural support and have a commitment to excellence in undergraduate and graduate instruction. Candidates should submit a statement of research interests and teaching philosophy, curriculum vitae, and the names of three referees by December 5, 1995, or until the position is filled, to: Chairman, Department of Zoology and Physiology, Louisiana State University, Baton Rouge, LA 70803-1795.

American University In Cairo (AUC), Applications are invited for one faculty opening at the ASSISTANT, ASSOCIATE, or FULL PROFESSOR level for a biologist to teach in English, General Biology and a section of the core curriculum's required course in Scientific Thinking. Preference will be given to specialists in environments, forestry, agriculture, or botany. Ph.D. required. AUC particularly seeks applicants with a demonstrated record or strong promise of excellence in teaching. Scholarly/research experience or potential is expected. Normal teaching load is four hours per semester. Two-year appointment (renewable) begins September 1996. Rank, salary according to qualifications and experience. For expanded descriptions, send air travel, plus schooling for up to two children included. Write with curriculum vitae to: Dr. Andrew Kerek, Provost, The American University in Cairo, 86 University Plaza, Suite S-817, New York, NY 10017, preferably before November 30, 1995. AUC is an Equal Opportunity Employer.

ASSISTANT PROFESSOR

MOLECULAR BIOLOGY

The Department of Physiology in the School of Medicine, Southern Illinois University at Carbondale, anticipates, contingent upon availability of funds, a fiscal year, tenure-track faculty position in the general area of eukaryotic molecular biology. Starting date: August 15, 1996. This is a 12-month appointment with a competitive salary, excellent facilities, and substantial start-up funds. An active research program and a commitment to excellence in teaching are expected. Demonstration of superior teaching and research potential is required. The position is open to candidates with a Ph.D. in molecular biology with a research interest in the area of molecular mechanisms regulating cell proliferation and differentiation. The candidate must have demonstrated excellence in teaching and research. The Department has an established graduate program, and active research interests in the areas of reproductive biology, neurobiology, and cell signaling. Applicants must be willing to participate in the teaching activities of the Department, which include respiratory physiology and cell biology classes for medical students, and training of graduate students in physiology. Additional information can be obtained via the WWW address: http://www.som.siu.edu.

Deadline for applications is January 15, 1996, or until the position is filled. Applicants should send a cover letter including a brief statement of research and teaching interests, curriculum vitae, selected reprints, and three letters of reference to: Dr. Andrezej Bartke Molecular Biology Search Committee Department of Physiology, School of Medicine Southern Illinois University at Carbondale Carbondale, IL 62901-6512

Southern Illinois University at Carbondale is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

available immediately in the areas of translation and regulation gene expression in EBV-transformed mammalian B cells. Please send curriculum vitae, statement of research accomplishments, and names and telephone numbers of three references to Dr. Nancy Maizels, Department of Molecular Biophysics and Biochemistry, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06520-8024.

POSITIONS OPEN

UNIVERSITY OF TOLEDO

Tenure-Track Assistant Professors in Biology

The Department of Biology at the University of Toledo invites applications for two tenure-track ASSISTANT PROFESSORSHIP positions beginning in the fall of 1996. The Department offers B.A., B.S., M.S., and Ph.D. degrees. A new life sciences research complex, plant sciences facility, and Lake Erie Research Center are under construction. Successful candidates will be expected to establish productive research programs and graduate instruction as well as develop an externally funded research program that complements existing departmental strengths. A Ph.D. and relevant postdoctoral experience are required. Applications filled by November 30, 1995 will receive priority.

Molecular Cell Biology

The Department of Biology at the University of Toledo is an Affirmative Action/Equal Opportunity Employer. Interested candidates should send a letter of application, curriculum vitae, statement of teaching and research interests, and the names and addresses of at least three references to: Chair, Search Committee Department of Biology University of Toledo, Toledo, OH 43606-3390

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

ASSISTANT/ASSOCIATE PROFESSOR

Division of Rheumatology and Clinical Immunology

The Department of Medicine, University of Pittsburgh School of Medicine, invites applications for three tenure-track positions at the ASSISTANT or ASSOCIATE PROFESSOR level. Candidates must have an M.D., M.D./Ph.D., or Ph.D., postdoctoral research experience, and a well-developed plan for an independent basic or clinical research program. Applications are invited from individuals interested in the areas of molecular immunology, immunogenetics or related basic sciences with a strong interest in the basic mechanisms of autoimmunity and from individuals with training in clinical epidemiology or health services research. Applicants should submit curriculum vitae, a statement of research interests and training, and a list of three references to: Timothy M. Wright, M.D., Chief, Division of Rheumatology and Clinical Immunology, Department of Medicine, School of Medicine, Suite 502, Kaufmann Building, Pittsburg, PA 15213. Telephone: 412-622-4343. University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.

MOLECULAR-CELLULAR BIOLOGIST

A POSTDOCTORAL POSITION is available immediately to study cis- and trans-acting mechanisms and the role of DNA conformation in transcriptional regulation of growth factor (bFGF) and neurotransmitter (tyrosine hydroxylase) genes in adrenal medullary cells. Requires experience in DNA construction, mutagenesis, and DNA-protein binding assays. Send curriculum vitae, a summary of research experience, and references to: Dr. Michał K. Chajkowski, Laboratory of Molecular Neurobiology, Barshop Institute, Mercy Health Care Arizona, 350 West Thomas Road, Phoenix, AZ 85013. Equal Opportunity Employer.

PREDOCENTRAL TRAINEESHIPS

The University of Montana’s Organizational Biology and Ecology Graduate Program (OBE) has five PREDOCTORAL TRAINEESHIP positions in Environmental Biology for fall 1996 through the NSF-funded Training-Web Project. Stipends are $14,100, plus tuition. Applications must be submitted to the OBE Program. Contact: The Training-Web Secretary, Division of Biological Sciences, The University of Montana, Missoula, MT 59812. Telephone: 406-243-5222; E-mail: jmlcark@selway.umt.edu. Women and members of minority groups are encouraged to apply. Equal Opportunity/Affirmative Action.

ASSISTANT PROFESSOR

Oregon State University

The Department of Biochemistry and Biophysics announces a full-time, TENURE-TRACK position (nine-month) in biochemistry. Qualifying quality of research as demonstrated by postgraduate and postdoctoral research productivity; desire to teach general biochemistry and related subjects. The appointee is expected to be a productive, creative, and self-supporting research program. Research area open, but must be a biochemical area that complements and extends existing faculty interests. To apply, send a letter of application, curriculum vitae, a concise statement of research plans; two papers; names and addresses of three professional references; and have the three reference letters sent to: Philip N. McDaid, Biochemistry and Biophysics, 2011 ALS, Oregon State University, Corvallis, OR 97331-7030. Completed applications received by November 21, 1995 will be assured full consideration. Oregon State University is an Affirmative Action/Equal Opportunity Employer, and is responsive to dual-career couples.

DUKE UNIVERSITY

DEVELOPMENTAL BIOLOGIST

Developmental, Cell, and Molecular Biology (DCMB) Group

We invite applications for a tenure-track position at the ASSISTANT PROFESSOR level from candidates investigating aspects of development in higher eukaryotes. The DCMB Group is a consortium of faculty with common interests in the Departments of Botany and Zoology. The appointment will be in the Department of Zoology. Please submit a curriculum vitae, names and addresses of three references, description of current and future research interests, a statement of teaching experience and interests to: David R. McClay, Department of Zoology, Box 90325, Duke University, Durham, NC 27708-0325. The committee will begin considering applications on November 15, 1995.

Duke University is an Affirmative Action/Equal Opportunity Employer.

LOUISIANA STATE UNIVERSITY

Department of Biochemistry

Postdoctoral Researcher

The Department of Biochemistry at Louisiana State University seeks applicants for the position of POSTDOCTORAL RESEARCH ASSOCIATE to conduct research in biocatalytic synthesis in plants. Candidates must have a Ph.D. in Biochemistry or a related field. Experience in purification of enzymes and in DNA cloning and gene expression is required. Preference will be given to applicants with knowledge in fatty acids synthesis. Research will be conducted at the USDA’s Southern Research Center in New Orleans. Send curriculum vitae, academic transcripts, and three letters of recommendation to: Dr. Ding S. Shih Postdoc Search Room 322 Choppin Hall Louisiana State University Baton Rouge, LA 70803-4499 Telephone: 504-388-5146; FAX: 504-388-5312 Application deadline: October 30, 1995 An Affirmative Action/Equal Opportunity Employer.
**University of California Santa Cruz**

**BEHAVIORAL ECOLOGY**

**Assistant Professor**

The Biology Department at the University of California, Santa Cruz, invites applications for a tenure-track assistant professor position in Behavioral Ecology. We seek a biologist who will apply modern experimental approaches in behavioral ecology. We especially encourage applicants whose research emphasizes evolutionary processes, the interface between behavior and physiology, and who can take advantage of the extraordinary terrestrial and/or marine environments of Central California. The successful candidate will be expected to establish an active, externally funded research program, and participate in graduate and undergraduate training in the areas of behavioral ecology, ecology, and evolution. UCSC has a strong tradition of field research and teaching in behavioral ecology; the appointee will be expected to maintain and expand that tradition. UCSC is committed to the development of strong programs in ecology, physiology, and evolution. Besides the Biology Department, colleagues can be found in allied programs in Marine Sciences, Environmental Studies, the Institute of Marine Sciences and the Predatory Bird Group.

**RANK:** Assistant Professor

**MINIMUM QUALIFICATIONS:** Ph.D. or equivalent in Biology or a related field, achievements in or demonstrated potential for university research and teaching.

**POSITION AVAILABLE:** Fall 1996, subject to final administrative and budgetary approval.

**APPLY TO:** 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:

**Behavioral Ecology Search Committee**
Department of Biology
225 Sinsheimer Laboratories
University of California
Santa Cruz, CA 95064

Please refer to position #503 in your reply.

**CLOSING DATE:** December 1, 1995

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**Washington**

**WASHINGTON UNIVERSITY IN ST. LOUIS**

**Department of Genetics**

The Department of Genetics plans to hire several new faculty members. Applications for junior level, tenure track faculty positions are invited. Current interests of department include:

1. model systems
2. mammalian genetics
3. computational biology
4. quantitative genetics

Responsibilities include establishment of a strong and interactive research program and a commitment to graduate and/or medical student education.

Applicants should send a curriculum vitae and a statement of current and future research plans and arrange for the submission of three letters of reference by November 15 to:

Robert Waterston, M.D., Ph.D., Search Committee
Department of Genetics
Box 8312
Washington University School of Medicine
4566 Scott Avenue
St. Louis, MO 63110

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**Associated Western Universities, Inc. (AWU)**

**Program Manager**

Associated Western Universities, Inc. (AWU), a non-profit corporation with 62 member colleges and universities, invites nominations and applications for the position of Program Manager for its Salt Lake City headquarters office. Since 1959, AWU has worked in partnership with government and industry to develop an integrated spectrum of science and engineering education programs which sponsor the participation of faculty and students in research at federal, industrial, and academic laboratories. In 1995, with sponsorship of $2.4 million, these programs supported more than 3,600 faculty and students from 1,200 high schools, colleges, and universities throughout the U.S. Many of these academic scientists participated in research at one of more than 59 federally and industrially-funded facilities.

**Responsibilities:** Manage post secondary science education programs, establish and cultivate AWU partnerships; conceive, develop, evaluate and analyze programs; and participate actively as a member of the AWU team. This includes obtaining external sponsorships, establishing and maintaining effective communications with program partners; and sustaining a corporate culture of commitment and effectiveness.

**Qualifications:** Bachelor's degree (advanced degree preferred) with a strong background in science or engineering; excellent communication, interpersonal, organizational skills; experience in the management of complex projects or programs; working knowledge of higher education, federal laboratories, industry and/or sponsored programs is important; academic teaching, research and/or R&D management experience is a plus.

**Salary:** Commensurate with qualifications and experience; excellent benefits.

Send letter of application, resume, salary requirement, and names, addresses and telephone numbers of three references to: Dr. F. Dee Stevenson, Vice President for Programs, Associated Western Universities, Inc., 4190 S. Highland Drive, Suite 211, Salt Lake City, UT 84124, To ensure consideration, applications should be received by November 15, 1995.

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**Microbial Biochemistry**

**Postdoctoral Scientist**

SmithKline Beecham Pharmaceuticals, a world leader in pharmaceutical research, has a challenging opportunity for a postdoctoral scientist to join the Molecular Microbiology Department within Microbiology Research. The appointee will join a newly formed research team which seeks to exploit novel bacterial gene products as drug targets.

This NIH funded position forms part of an international academic-industrial collaboration, created specifically to expand research into the biosynthesis, structure and function of selected components of the cell walls of mycobacteria. You will be involved in the culturing of *Mycobacterium tuberculosis*, in addition to other mycobacteria, and the isolation, purification and characterization of various cell envelope lipids, polysaccharides, peptides and biosynthetic enzymes with a view to developing novel antimycobacterial drugs.

Candidates should have a recent Ph.D. in Microbiology, Biochemistry or a related discipline. Experience in the purification and analysis of complex microbial products is preferred and applicants should possess good communication skills and a desire to work within a multidisciplinary team.

Our newly acquired, state-of-the-art research facility is located at Upper Providence, in suburban Philadelphia. We offer a competitive compensation/benefits/relocation package and a stimulating team environment. Interested applicants should send their resume to: SmithKline Beecham Pharmaceuticals, Job Code MR001, P.O. Box 2645, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.
IMMUNOLOGIST/MOLECULAR BIOLOGIST

Corixa Corporation is a new biotechnology company dedicated to the development of T cell vaccines and therapies for cancer and infectious diseases. Corixa is seeking Ph.D. SCIENTISTS in Immunology and Molecular Biology. Candidates should have two to three years of experience in molecular/cellular immunology pertinent to defining immunogenic human CTL epitopes or gene cloning. Successful candidates will share responsibility with other company scientists to discover T cell based vaccine candidates in the setting of oncology and infectious disease. Emphasis is on the use of novel DNA technology to modify human APC functions and the production of CTL, including discovery of antigen targets. Competitive salary and benefits, including equity options. Please send curriculum vitae, statement of research interests, and names of three references to: Corixa Corporation, 1124 Columbia, Suite 464, Seattle, WA 98104. FAX: 206-667-5718. An Equal Opportunity Employer.

RESEARCH POSITION

BIOLOGICAL SCIENCE/ENGINEERING Ph.D. Practical, applications-oriented, versatile, creative, self-directed, publication, excellent writer, strong microbiology and chemistry. All phases of R&D from preclinical research to development of product. Independent and team work. Send résumé, letter of reference and names of three additional references to: Human Resources, Symbiotec, Inc., 8 Fairfield Boulevard, Wallingford, CT 06490.

SMITHSONIAN INSTITUTION FELLOWSHIP PROGRAM


CELLULAR AND MOLECULAR ENDOCRINOLOGY

A POSTDOCTORAL FELLOWSHIP and a RESEARCH ASSISTANT PROFESSORSHIP are available to study the mechanisms of the hypothalamic hormone secretion as they relate to the differentiation and transdifferentiation of growth hormone and prolactin producing cells. Both rodent and bovine model systems are utilized. We currently study these processes at the single, living cell level by employing a broad spectrum of molecular and cellular strategies that include (but are not limited to) combination of techniques: reverse hemolytic plaque assays for quantifying hormone secretion, video imaging of cells transfected with luciferase promoter constructs for assessing gene expression in real time, and microinjection (cytoplasmic and nuclear) for selectively introducing modulators of gene expression and hormone secretion. Postdoctoral experience and an extensive background in molecular biology are required for the more senior position. Salary and benefits are highly competitive and commensurate with experience. Send curriculum vitae and names and telephone numbers of three references to: Dr. L. Stephen Frawley, Department of Cell Biology and Anatomy, Medical University of South Carolina, 171 Ashley Avenue, Charleston, SC 29425-2204. Telephone: 803-792-3526. FAX: 803-792-0664. Women and minorities are encouraged to apply. An Equal Opportunity/Affirmative Action Employer.


DIRECTOR, Cytotogenetics Laboratory: The Division of Human Genetics of the Children’s Hospital Research Foundation (CHR) seeks an ABMG Clinical Cytogenetics certified or eligible M.D. or Ph.D. to direct its service and research activities. Responsibilities include amniotic cells, CVS, blood and tumor karyotype and FISH analyses, and development of research program. Academic rank determined by qualifications. Send curriculum vitae, bibliography and three letters of recommendation to: Gregory A. Grabowski, M.D., Director, Division of Human Genetics, CHR, 3333 Burnet Avenue, Cincinnati, OH 45229-3039. Children’s Hospital Medical Center is an Affirmative Action/Equal Opportunity Institution. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION

POSTDOCTORAL POSITION available immediately for a recent Ph.D. or M.D. who is interested in cell-cycle control, signal transduction and their relation to ionizing radiation and DNA damage. Strong molecular biology background with experience in yeast, biochemistry and/or cell biology are desired. Clinical Fellows interested in pursuing a career in biomedical research are encouraged to apply. Send curriculum vitae, career interest and letters of recommendation to: Dr. Tim J. Yen, c/o Human Resources Department, Fox Chase Cancer Center, 7701 Burholme Avenue, Philadelphia, PA 19111. Equal Opportunity Employer.

HARVARD MEDICAL SCHOOL HUMAN GENE THERAPY

Two POSTDOCTORAL POSITIONS to develop anti-tumor chimeric IgTCR-modified T cells for therapy. 1) Excellent molecular biology skills and/or retroviral vector experience. 2) Expertise in immunology and (optimally) mouse models; medical, veterinary or pathology background a plus. Send résumé, description of prior research, and names of at least two references by FAX: 617-632-0998 to: R. P. Junghans, Ph.D., M.D., Director, Biotherapeutics Development Lab.

Outstanding POSTDOCTORAL opportunity to investigate the molecular mysteries of voltage-gated ion channels. Requires Ph.D. or M.D. and experience with molecular biological or electrophysiological techniques. Excellent research and living environment. Applicants should send curriculum vitae, description of previous research experiences, and names of three references to: Dr. Brett Adams, Department of Physiology and Biophysics, The University of Iowa, Iowa City, IA 52242-1109. FAX: 319-335-7330; Email: Brett-Adams@uiowa.edu. The University of Iowa is an Equal Opportunity/Affirmative Action Employer. Women and Minorities are strongly encouraged to apply.

POSTDOCTORAL POSITION available immediately to work in NIH-funded project on cloning and expression of new genes. Requires a relatively recent Ph.D. with two years of molecular biological experience. Background in genetics and/or hematology-preferred. Interested individuals should submit a résumé, publications, a letter of recommendation sent to: Dr. Debarata Majumdar, Department of Biology, Norfolk State University, Norfolk, VA 23504, U.S.A. Telephone: 804-683-2543, FAX: 804-683-8817.

POSTDOCTORAL POSITIONS MOLECULAR BIOLOGY OF HIV

Positions are available immediately to study determinants of HIV infectivity and analyze HIV accessory gene products. Background in molecular virology and molecular biology is desirable. Send curriculum vitae and names of three references to: Mario Stevenson, Ph.D., Program in Molecular Medicine, University of Massachusetts Medical Center, 373 Plantation Street, Worcester, MA 01605. An Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE available to participate in a program focused on immunology of human melanoma with emphasis on immunotherapy. Background in molecular immunology required. Send curriculum vitae, statement of research interests, and names of three references to: Dr. S. Ferrone, Department of Microbiology and Immunology, New York Medical College, Valhalla, NY 10595.
Two tenure-track faculty positions are available in the area of Molecular and Cellular Neurobiology.

The Department expects to hire one new faculty member with interests in the area of molecular or cellular neuroendocrinology or neuropharmacology. For the second position, candidates working in molecular or cellular neurobiology, including (but not restricted to) the areas of signal transduction, development, plasticity and learning, will be considered. These positions are expected to be filled at the junior level, but outstanding senior candidates will also be considered. Faculty are expected to maintain a strong independent research program, and to participate in graduate and undergraduate teaching. Northwestern University’s main campus is located in an attractive setting along the shores of Lake Michigan. Women and members of minority groups are especially encouraged to apply. Northwestern University is an AA/EEO employer. Applicants should send a curriculum vitae and statement of research interests by December 1 and have at least three letters of reference sent to the address below. Applicants should specify for which position they are applying.

David Ferster, Ph.D., Jon Levine, Ph.D., Search Committee
Department of Neurobiology and Physiology
Northwestern University
2153 North Campus Drive
Evanston, IL 60208

The Center for Environmental Research and Conservation (CERC)–a consortium of Columbia University, The American Museum of Natural History (AMNH), The New York Botanical Garden (NYBG), Wildlife Preservation Trust International, and The Wildlife Conservation Society—announces the establishment of the following four new faculty positions. CERC is a multidisciplinary center for teaching, training, and research in biodiversity conservation by integrating the knowledge and methods of both the biological and social sciences. Appointments will be joint with a relevant department at Columbia and will be five-year positions at the ASSISTANT PROFESSOR level. Each candidate is expected to teach at least one core course in the undergraduate (Ecology and Evolutionary Biology) or graduate (Ecology and Evolutionary Biology) curriculum of CERC as well as seminars in his/her area of expertise as it relates to conservation and biodiversity studies. Each candidate is also expected to maintain a vigorous research program supported by extramural funding. A willingness to develop integrative and multidisciplinary research and teaching is essential. Opportunities exist for CERC affiliated institutions in Asia, South America, Biosphere 2, and other locations worldwide. For terms beginning with the academic year 1996-97, applications are invited in the following fields:

**Community Ecologist**: A community ecologist is sought with research and teaching activities focused on nutrient cycling, plant/animal interactions, and/or restoration biology within terrestrial ecosystems. Ability to teach advanced ecology, community ecology, biometry, and related courses desirable. Each candidate, for this position will work in close collaboration with researchers at Columbia’s Lamont-Doherty Earth Observatory and Biosphere 2.

**Plant Systematist**: A botanist/mycologist with a strong taxonomic publication record is sought to conduct research and teach plant and fungal systematics. Candidates should be familiar with higher level taxa systematics questions, a variety of phylogenetic methods, as well as holding expertise in a specialized group. This position will be affiliated with NYBG.

**Animal Systematist**: A zoologist with a strong taxonomic publication record is sought to conduct research and teach invertebrate and vertebrate systematics. Candidates should be familiar with higher level taxa systematics questions, a variety of phylogenetic methods, as well as holding expertise in a specialized group. This position will be affiliated with AMNH.

**Population Biologist**: A population biologist is sought to teach conservation biology, population biology, biometry, and related courses. Specialization in small metapopulation dynamics, demographic or genetic dynamics, and their policy implications would be particularly desired.

Applications, including a curriculum vitae, a statement of research and teaching interests, and three letters of recommendation, should be sent to: Dr. Jon D. Melnick, Director, Center for Environmental Research and Conservation, Columbia University, Low Library, 535 West 166th Street Room 405, New York, NY 10027. http://www.columbia.edu/cu/cerc/

Columbia University is an Equal Opportunity/Affirmative Action Employer and strongly encourages applications from women and minorities.

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**FACULTY POSITION, U.C.L.A.**

**PLANT MOLECULAR BIOLOGY**

The newly formed Department of Molecular, Cell and Developmental Biology, would like to add to its faculty strength in Plant Molecular Biology by hiring two individuals with proven research and teaching accomplishment in the area of Plant Molecular Biology. One candidate will be a Ph.D. with a postdoctoral position in Plant Molecular Biology. One appointment will be at a relatively junior level (starting Assistant Professor) and one at a Senior level. Senior candidates will be considered for tenure track positions. The Department is especially interested in growing substantially from its current faculty; most of whom are young, and are in the process of developing substantial independent research programs. Candidates are expected to have a strong publication record and to have demonstrated a strong commitment to teaching and training graduate students. Candidates are also expected to participate in the development of a new graduate program in Molecular, Cell and Developmental Biology. Successful candidates are expected to have skills and experience in molecular biology, genetics, and plant cell biology.

Applications should be sent to: Dr. Gary Gallavotti, Chair, Department of Molecular, Cell and Developmental Biology, Box 95606, U.C.L.A., Los Angeles, CA 90095-1606. Candidates for the junior position should have three letters of recommendation sent to the same address. Applications should be submitted by December 1, 1995. U.C.L.A. is an affirmative action/equal opportunity employer. Women, minorities, and persons with disabilities are encouraged to apply.

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**FACULTY POSITION IN MOLECULAR & CELL BIOLOGY**

The Center for Advanced Biotechnology and Medicine (CABM) and the Department of Pharmacology at UMDNJ-Robert Wood Johnson Medical School are seeking applicants for a tenure-track faculty position. Applicants should have a strong record of publication in molecular and cell biology. The successful candidate will occupy new laboratory space in the CABM building and join a growing, interactive, and highly productive life-sciences community on the Busch Campus, where there are many opportunities for research collaboration and participation in several graduate programs. The position is highly competitive with regard to start-up funds, laboratory space, salary and benefits. Please send a CV, publications, and a summary of research activities and plans, along with names and addresses of 3 references to:

Dr. Aaron J. Shatin and Leroy F. Lin
679 Hoes Lane
Piscataway, NJ 08854-5638
UMDNJ-Robert Wood Johnson Medical School is an Affirmative Action/Equal Opportunity Employer, M/F, D/V, and a member of the University Health System of New Jersey.
UNIVERSITY OF MICHIGAN

A POSTDOCTORAL POSITION is available immediately in an exciting research environment to investigate structural and molecular aspects of insulin metabolism. Experience in cellular and molecular immunology is required.

Send curriculum vitae and names of three references to: Dr. Joseph Holoshitz, Director, University of Michigan Specialized Center of Research in Rheumatoid Arthritis, 200 Zina Pitcher Place, Krog 1J 8450, Ann Arbor, MI 48109-0531. FAX: 313-763-8974; Email: jholo@umich.edu.

POSTDOCTORAL POSITION immediately available to study the physical Biochemistry of protein nucleic acid interactions and SSRI proteins. Experience in fluorescence spectroscopy preferred. Send current curriculum vitae and three reference letters to: Dr. W. M. Bujaieish, Department of Human Biological Chemistry & Genetics, The University of Texas Medical Branch at Galveston, Galveston, TX 77555-1053. Equal Opportunity Employer/Monitors/Female/Disabled/Veteran. UTMB hires only individuals authorized to work in the US.

DEPARTMENT OF BIOCHEMISTRY

UNIVERSITY OF UTAH

A POSTDOCTORAL FELLOWSHIP is available to participate in structured studies of the interaction of histone H1 with chromatin. The ideal candidate will be one who has shown interest in and/or experience in molecular biology, but who is also open to learning physical techniques including x-ray crystallography. The various departments of the school of life sciences provide a growing scientific environment with good opportunities for interactions. Salt Lake City is a cosmopolitan city surrounded by beautiful natural surroundings. Please contact: V. Ramakrishnan, Department of Biochemistry, University of Utah School of Medicine, 50 North Medical Drive, Salt Lake City, UT 84132. Telephone: 801-585-0400, Fax: 801-585-0401. ramakris@hcn.uta.edu. The University of Utah is an Affirmative Action/Equal Employment Opportunity Employer.

POSTDOCTORAL POSITION in cellular/molecular neurobiology available for individual interested in using state of the art electrophysiological and molecular biological techniques to study the roles of excitatory amino acids and second messenger/protein kinase systems in modulation of synaptic transmission and neuronal function in mammalian brain. A strong background in cellular and molecular neurobiology is preferred. Send curriculum vitae, three references, and statement of research interest to: Dr. Jeffrey Conn, Department of Pharmacology, Emory University School of Medicine, Atlanta, GA 30322. Emory University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION in neuropharmacology immediately available to study the role of nitrile oxide in neuroinflammatory diseases. A background in biochemical and molecular pharmacology is preferred. Salary and benefits commensurate with NIH guidelines. Send letter, curriculum vitae, and names of three references to: Dr. K. M. Boje, Department of Pharmacology, H517 Cook, School of Pharmacy, University of Buffalo, Buffalo, NY 14260. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION immediately available to produce and characterize transgenic potato plants containing the antisense construct for an s21 induced ACC synthase gene identified in our laboratory. Experience in plant transformation and regeneration is required. Salary and benefits commensurate with NIH guidelines. Send letter, curriculum vitae, and names of three references to: Dr. Jay P. Cui, Department of Biology, University of California, Berkeley, CA 94720. FAX: 510-642-3230. Resume and references should be sent to: JPC@EIMAL.COM.

POSTDOCTORAL POSITION in the laboratory of Dr. Jacki Kornbluth, Division of Hematology/Onology, University of Arkansas for Medical Sciences, 4301 West 50th St., Little Rock, AR 72205. FAX: 1-501-686-8165; Email: jkornbluth@acr.uams.edu. Affirmative Action/Equal Opportunity Employer.

SENIOR LABORATORY TECHNICIAN

The Department of Biochemistry at the Uniformed Services University of the Health Sciences (USUHS) is seeking to hire a Biochemistry Laboratory Technician. The duties as Senior Laboratory Supervisor will be to perform research in the field of lipid metabolism and atherosclerosis; help in training students, technicians and other staff; and maintain laboratory equipment and inventory. The candidate, with an academic degree in Biological Sciences (preferably Molecular and/or Cell Biology), needs good oral and written communications skills, knowledge of a variety of biochemical and molecular biology techniques, knowledge of procedures for handling radioactive and biohazardous materials, and ability to plan and execute experimental protocols. Salary range is to mid-forties. Excellent benefits. Send curriculum vitae, (Preferred) or Optional Form 612, or Standard Form 171, along with the names of three references to: Dr. Ishaiahu Shechter, Uniformed Services University of the Health Sciences (USUHS), Department of Biochemistry, 95-128 4301 Jones Bridge Road, Bethesda, MD 20814-4799. Telephone: 301-295-3550. Equal Opportunity Employer/Affirmative Action. Applications must be postmarked by 30 November 1995. U.S. citizenship required.

FUNDS DEVELOPMENT OFFICER

The Uniformed Services University of the Health Sciences (USUHS) is seeking to hire a FUNDS DEVELOPMENT OFFICER. The candidate will be the head of an office of information resources for both extramural and intramural research funding. Candidates are required to have knowledge of grants and contracts and medical and scientific terminology. Incumbent should have proficient oral and written communication skills as well as presentation, interpersonal, and organizational skills. Excellent benefits. Applicants must request a copy of job announcement (95-129). Telephone: 301-295-3550. Application deadline 20 November 1995. Equal Opportunity Employer/Affirmative Action. U.S. citizenship required.

RESEARCH ASSOCIATE

Research in the identification of insulin-sensitive genes in newborn mammals. Must use cuglemic hyperinsulinemic clamp model to investigate insulin-sensitive genes. Must be familiar with arteriai catheterization and physiologic adjustment of blood glucose levels of newborn mammals during hypoglycemia. Prepare tissues for extraction of metabolites, enzymes, or messenger RNA. Screen genomic libraries to identify species specific insulin responsive genes and perform Northern blots. Direct neontaloid metabolic laboratory—responsible for day-to-day and long-term planning of all research projects, supervise newborn animal research, radiation experiments, micro-method analysis and molecular biology experiments. Basic knowledge of molecular biology is required and two years of experience in molecular biology with a focus in insulin resistance. Research/expected compensation is $75K per year. Great opportunities offered. Northern blots. $47,500 per year, 40 plus hours per week. Applicants must have unrestricted authority to work for any U.S. employer. Must submit a statement of research experience, citing number 790171, to: Travis Bar- ret, Alien Labor Unit, 201 East Washington Avenue, Madison, WI 53702.
DEAN - SCHOOL OF VETERINARY MEDICINE
University of California, Davis

The University of California, Davis, invites applications and nominations for the position of Dean of the School of Veterinary Medicine and Director of the Division of Agriculture and Natural Resources Programs (Veterinary Medicine).

The Dean is the chief academic and administrative officer of the School responsible for leadership of the School in the areas of teaching, research, and professional service; developing and managing resources; representing the School to the campus and University administration; and interacting with the veterinary community and governmental leaders at local, state and national levels.

Qualifications include a D.V.M. or equivalent degree, a distinguished record of teaching and research, and demonstrated leadership and administrative abilities. We seek candidates who have a deep commitment to academic excellence, who understand the challenges posed by changes in the national veterinary environment, and who will be able to lead the School in its continuing development and in fulfilling its mission as part of a major land-grant university.

Salary will be commensurate with experience and qualifications. The starting date will be September 1, 1996, or as negotiated.

Applications and nominations should be received by December 1 to ensure full consideration. The position will remain open until filled. Applications, including a cover letter, curriculum vitae, and the names, addresses, and telephone numbers of five references, should be sent to:

Chancellor Larry N. Vanderhoef
Office of the Chancellor
University of California
Davis, CA 95616-8558

An Equal Opportunity—Affirmative Action Employer

RESEARCH ROUNDTABLE DIRECTOR

The National Research Council (NRC), the principal operating arm of the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine, a non-profit, non-governmental organization located in Washington, D.C., invites applications for the position of Director of the Government-University-Industry Research Roundtable (GUIRR). GUIRR is one of the major units of the NRC. GUIRR comprises senior officials in the federal government, universities, and industry, and its staff is part of the NRC. The incumbent plans and oversees a broad range of programs related to policy and other issues relating to the nation’s research emphasizing key issues of common interest to government, universities, and industry.

The GUIRR Director, working with the Chair and members of the Roundtable and its Executive Committee, will develop an agenda for the late 1990’s and beyond. The incumbent is responsible for all scientific, financial, and administrative operations of the unit, in coordination with cognizant GUIRR project chairs, and subject to staff coordination by the Director of the NRC Policy Division and the Executive Officer of the NRC.

Applicants should have the following qualifications: Ph.D. degree or equivalent, preferably with an emphasis directly related to science policy and/or public policy, ten or more years experience related to GUIRR’s field of interest; demonstrated administrative/supervisory experience, preferably in a volunteer organization; demonstrated capacity to conceive, design, and execute policy studies; demonstrated writing, analytic, and oral communication skills; ability to interact effectively with senior leaders in government, academia, and industry. Highly desirable traits include demonstrated familiarity with U.S. institutions of higher learning and their policies and workings; demonstrated familiarity with academic and non-academic research, and first-hand familiarity with the corporate sector, especially with respect to corporate support for and utilization of research.

Please send resume in confidence to: NRC, GUIRR/ED, NAS 242(SC), 2101 Constitution Avenue, NW, Washington, DC 20418. All resumes must be received by October 20, 1995. EOE

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BATES COLLEGE LEWISTON, MAINE 04240
Program in Environmental Studies

Announcement of Position

Bates College invites applications for a tenure track position in Environmental Studies at the level of assistant professor, beginning September 1996.

Candidates must have a Ph.D. or appropriate terminal degree in Environmental Studies or a closely related field, with demonstrated interdisciplinary teaching and research interests in environmental studies. A strong commitment to undergraduate education and a research program involving undergraduate students is expected. Bates College is inaugurating a new interdisciplinary program and major in Environmental Studies during the 1996-97 academic year; the new faculty member will play a leading role in the development of the major.

Applicants should submit a cover letter along with a 1 or 2 page statement of research objectives and teaching interests, curriculum vitae including publications, academic transcripts, and the names, addresses, e-mail, and fax numbers of three references. All material should be sent to:

Environmental Studies Search
c/o Secretarial Services
2 Andrews Road, 7 Lane Hall
Bates College
Lewiston, Maine 04240

DEADLINE: December 1, 1995

BATES COLLEGE VALUES A DIVERSE COLLEGE COMMUNITY AND SEeks TO ASSURE OPPORTUNITY THROUGH A CONTINUING AND EFFECTIVE AFFIRMATIVE ACTION PROGRAM. WE WELCOME APPLICATIONS FROM WOMEN AND MINORITIES.
POSTDOCTORAL POSITION

Investigate the gene regulation of antioxidants and proinflammatory cytokines in models of lung injury and repair. Approaches include quantitative RT-PCR, differential display, and gene expression profiling with references to: Rodney Fols, M.D., Ph.D., Duke University Medical Center, Box 3177, Durham, NC 27710; telephone: 919-684-2813; FAX: 919-684-3067. Equal Opportunity Employer.


POSTDOCTORAL POSITION

to study inhibitors of cellular adhesion molecule expression and effects upon inducing inflammatory response. Previous experience with mammalian cell culture, animal handling, and the isolation of murine endothelial cells desired. Send curriculum vitae, a statement of experience, and the names, addresses, and telephone numbers of three references to: Dr. Glenn Hoke, Dyad Pharmaceutical, 1190 Red Branch Road, Suite K, Columbia, MD 21045. FAX: 410-715-9195.

POSTDOCTORAL FELLOWSHIP

University of Hawaii

Department of Zoology

Opening available immediately for a POSTDOC FELLOW to work as part of a research team investigating the comparative physiology and molecular biology of invertebrate transport proteins. Position involves the application of molecular biological techniques to elucidate gene sequences of plasma membrane transport proteins occurring in specific invertebrate epithelial cells. Qualifications: Ph.D. in the Biological Sciences with demonstrated expertise in molecular biology and an ability to work independently and communicate well.Submit resume, including list of publications and education, and names and addresses of at least three references to: Professor Gregory A. Ahearn, Department of Zoology, University of Hawaii, Honolulu, HI 96822. Deadline for application: 15 November 1995.

FELLOWSHIP IN EXPERIMENTAL NEURO-ONCOLOGY

Two to one year FELLOWSHIPS in Experimental Neuro-Oncology are offered for qualified M.D., Ph.D., and M.D./Ph.D. applicants interested in a research career in Neuro-Oncology. Individuals will work with and in the laboratory of a specific scientist within the Neuro-Oncology Program of the Mayo Comprehensive Cancer Center, Rochester, Minnesota. The areas of potential investigation include, but are not limited to, signal transduction, molecular genetics, developmental pharmacology, and experimental epidemiology. Interested individuals should send copies of their curriculum vitae and bibliography and two letters of reference to: B. P. O'Neill, M.D., Department of Neurology, Mayo Clinic, 200 First Street SW, Rochester, MN 55905. Mayo Foundation is an Affirmative Action and Equal Opportunity Educator and Employer.

POSTDOCTORAL FELLOW

A POSTDOCTORAL POSITION is available immediately to study the molecular biology of the NF-KB/Rel signaling pathway in T cell activation. Experience in protein biology and molecular immunology desired. Send curriculum vitae and three letters of recommendation to: Dean W. Ballard, Ph.D., Department of Microbiology and Immunology, Vanderbilt University School of Medicine, 815 Light Hall, Nashville, TN 37232-0298. Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION

A position is available immediately for an imaginative and ambitious POSTDOC TALOR to work on a project involving AFM and Electron Microscopy of cell junctions, in particular the formation of gap junctions. The successful candidate will have a recent Ph.D. in Molecular/Cell Biology and will be interested in developing skills in Microscopy and Cell Biology. The laboratory is well equipped and the environment provides many opportunities for growth. The starting salary is $24,000 plus benefits. Send curriculum vitae and names of references to: Prof. Jean-Paul Revel, Division of Biology, Caltech, 1200 E. California Blvd., Pasadena, CA 91125. Email: revel@romeo.caltech.edu; FAX: 818-795-0609. Caltech is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans and disabled persons are encouraged to apply.

Laboratory for Biomaterials Research/Department of Chemistry at Rutgers University has openings for POSTDOCTORAL ASSOCIATES with expertise in synthesis, polymer science, or tissue engineering. Starting salary: $30,000 plus excellent benefits. Outstanding prior research accomplishments and proficiency in English required. Send resume, current U.S. visa status, and names of three references to: Wright-Rieamar Laboratories, P.O. Box 939, Piscataway, NJ 08855-0939. Equal Opportunity Employer.

POSTDOCTORAL POSITIONS

Molecular Regulation of Hepatic Gene Expression

Two POSTDOCTORAL POSITIONS are available to study molecular mechanisms mediating effects of insulin on the liver. An emphasizes postdoctoral investigator will characterize novel DNA/protein complexes and DNA/protein interactions by methylation interference, affinity labeling, and Southern blotting/cloning. Another investigator will examine the role of signaling pathways in mediating insulin effects via defined response sequences, using kinase assays and transfection models. Send curriculum vitae and names and telephone numbers of three references to: Dr. Terry Untrue, Endocrine Section (M/C 640), Department of Medicine, University of Illinois College of Medicine at Chicago, 840 South Wood Street, Chicago, IL 60612. FAX: 312-455-5877.

RESEARCH ASSOCIATE position available immediately to study the molecular/biochemical mechanisms of regulated cell growth differentiation in myeloid cells and therapeutic drug carriers tumor cells. Candidates with a background in molecular biology biochemistry, interested in pursuing a career in the area of cancer biology in a translational research oriented laboratory, should send a resume, names and addresses of three references to: Dr. Gabriel Lopez-Berestein, Department of Bioimmunotherapy, Box Texas M D Anderson Cancer Center, Houston, TX 77030, U.S.A. FAX: 713-796-1731. The University of Texas M D Anderson Cancer Center is an Equal Opportunity Employer and a smoke free workplace. This program encourages application from women and minorities.

POSTDOCTORAL RESEARCH ASSOCIATE position is available for NIH-funded research for a recent Ph.D. graduate to study the role of insulin like growth factor signaling on growth and differentiation pathways in malignant myogenic cells. Applicants should have a strong background in molecular pharmacology and molecular/cell biology. Send curriculum vitae with names of three references to: Dr. P. Houghton, Department of Molecular Pharmacology, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN 38105-2794. Equal Opportunity/Affirmative Action Employer.

RESEARCH ASSOCIATE

An active laboratory examining the mechanism of altered wound healing seeks a RESEARCH ASSOCIATE to assist with the performance of molecular analysis for the evaluation of wound healing. The candidate should be experienced in trauma injury models, techniques of apoptosis, and the detection and regulation of growth factors. Additional techniques to detect RNA and protein levels is required. Candidate must be a Ph.D. This position offers great potential for obtaining data for Ph.D. thesis, or postdoctoral work in the U.S. or abroad. Please send curriculum vitae to: Business Manager, Department of Surgery, PO Box 670585, Cincinnati, OH 45267-0585.

MBl MED BIOTECHNOLOGIES LABORATORIES

KAMPALA, UGANDA

Three RESEARCH ASSOCIATE POSITIONS in Molecular Parasitology are available to clone and characterize lipid modification enzymes of Onchocerca volvulus as possible drug targets. Applicants will identify and clone a genome marker of interest in a parasitic nematode. There are two positions available in the techniques of screening gene libraries, cloning and expression in bacteria and other expression systems, DNA sequencing, PCR, RNA, PCR fingerprint analyzing, hybridization analysis, and RFLPs. One position will require training in bioinformatics and experience in enzymology. Send resume and the names of three references to: Dr. Thomas G. Eggwu, MBl, P. O. Box 9364, Kampala, UGANDA. FAX: 256-41-268251.

POSTDOCTORAL/SCIENTIST position to join a multidisciplinary program to study receptors and subsequent signaling events regulating excitoreceptor excitation by a long-overlooked epithelial cell type, glandular mucous cells. Research will use molecular biological and other contemporary biochemical and microscopic techniques. Position and salary are commensurate with experience. Send curriculum vitae and three letters of recommendation to: David J. Culp, Ph.D., University of Rochester, School of Medicine and Dentistry, Box 611, Rochester, NY 14642. The University of Rochester is an Equal Opportunity/Affirmative Action Employer.

Infectious Diseases FELLOWSHIP: Research Training in Infectious Diseases, Geographic Medicine—Unexpected opening at Case Western Reserve University (CWRU) for qualified M.D. fellowship applicant in NIH-sponsored research training program for 1996 through 1997. Areas of research include mycobacterial diseases, parasitic infections, antimicrobial resistance, molecular virology, and bacterial host defense. U.S. citizenship or permanent residency required. Send curriculum vitae and letters of reference to: W. Henry Bloom, M.D., Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH 44106-4984. CWRU is an Equal Opportunity/Affirmative Action Employer.

ELECTRON MICROSCOPIST

The Scripps Research Institute (TSRI), the nation's largest not-for-profit biomedical research institution, has an immediate opening for an ELECTRON MICROSCOPIST to provide assistance for investigators who use the Institute central facility. A qualified candidate will have a bachelor's and/or Master's degree in a basic medical science with at least five years of experience performing EM procedures with many, if not all, of the following: negative stain, thin-sectioning, immunogold staining, freeze-fracture, rotary-shadowing, and cryo-sectioning. TSRI offers a challenging environment and an outstanding benefits package. Qualified candidates please send your resume as soon as possible to: The Scripps Research Institute, Ref. AMSCD106, 10666 North Torrey Pines Road, La Jolla, CA 92037. FAX: 619-554-6668. We value and support diversity in our workforce. Affirmative Action/Equal Opportunity Employer.

MEETING

NATO ADVANCED STUDY INSTITUTE (ASI) The Physics and Ecology of Harmful Algal Blooms ("red tides"); identify inadequacies, impediments, and areas for future research; and advance and disseminate new approaches and technologies. Further information and application forms can be obtained from the ASI Director: Donald M. Anderson, Biological Department, 7520 Applewood Ave, Riverside Institute, Woods Hole, MA 02543 U.S.A. FAX: 508-457-2134; Email: danderson@whoi.edu. Application deadline: 1 January 1996.
THE ROCKEFELLER FOUNDATION

POSTDOCTORAL POSITION IN AGRONOMY - MEXICO

The Rockefeller Foundation seeks a postdoctoral agronomist with experience in soil fertility/organic matter management for a program supporting research to improve smallholder, maize-based, agricultural systems in Mexico. The selected candidate will be assigned to a national research institute or university in Mexico that is a grantee of the Foundation.

In Mexico, traditional systems are based on slash-and-burn. With increased pressure on land, fallow periods are short or non-existent and soil fertility is being depleted. Growing maize intercropped or in rotation with legumes (cover crops, green manures, aboneras, slash/mulch systems) apparently has good potential for restoring soil fertility and contributing to a more sustainable and productive agriculture. Such systems, with their multiple variations - are being adopted by farmers in some regions in Central America and Mexico but their effects on labor requirement, soil fertility, soil organic matter, nutrient cycling, weeds, pests, and disease dynamics have not been fully investigated. The program aims at assessing the sustainability of these systems, and improving their productivity and stability through high quality, targeted research.

The successful candidate must be willing to live and conduct field work in the tropics, have excellent academic records, and proficiency in Spanish. She/he will help evaluate research ideas and priorities, contribute to the formulation and implementation of a research agenda responsive to farmers' needs, promote collaboration and coordination among different projects, and participate in the implementation of research activities within a network of local an international scientists from different disciplines.

Interested candidates should send a letter by November 15, 1995, indicating why they are qualified for and interested in the position, enclosing a current curriculum vitae (including academic transcripts), and arrange for three or more letters of reference to be sent to: Mexico Postdoctoral Search, Agricultural Sciences Division, Rockefeller Foundation, 420 Fifth Avenue, New York, NY 10018-2702.

The Rockefeller Foundation is an Equal Opportunity/Affirmative Action Institution

THE ROCKEFELLER FOUNDATION

POSTDOCTORAL POSITION IN AGRONOMY - MALAWI

The Rockefeller Foundation seeks a postdoctoral agronomist for a Foundation-funded program on soil fertility research and development work in Malawi. Over 80% of the Malawian population relies on maize as a staple food, and the crop is planted on approximately 70% of arable smallholder land. The selected candidate will work closely with members of one subgroup of an interdisciplinary Maize Productivity Task Force recently set up by the Government of Malawi which has a mandate to develop and implement policies aimed at increasing maize yields in Malawi.

The aim of the group is to "develop and implement strategies to increase maize production by integrating and increasing production and management of organic matter for resource poor smallholder farmers in Malawi." The Organic Matter Group consists of a small but well-qualified group of scientists, extension specialists drawn from the Malawi Government, Bunda College of Agriculture at the University of Malawi, development projects, NGOs and the International Center for Research Agroforestry.

The successful candidate will have an excellent academic record, developing-country field work experience and the ability to work co-operatively as a member of a research team. Experience in designing and implementing on-farm trials is essential. Field exposure to participatory farmer methods and a disposition to working with communities is highly desirable. The agronomist will work as a member of a team to help develop innovative ideas to help increase crop productivity on depleted smallholder soils. The team is assessing legume and biomass producing species, soil fertility management practices, agroforestry, intercropping systems, and socio-economic constraints to adoption.

The position will be based at Chiteme Research Station outside Lilongwe, the capital of Malawi, and will require extensive field work throughout Malawi. The Lilongwe Office of The Rockefeller Foundation will provide local logistical support for the post but the appointee will work under the guidance of the ICRAF's Project leader for the Malawi-ICRAF Agroforestry Project.

Interested candidates should send a letter by November 15th, 1995, indicating why they are qualified for and interested in the position, enclosing a current curriculum vitae (including academic transcripts), and arrange for three or more letters of reference to be sent to: Malawi Postdoctoral Search, Agricultural Sciences Division, The Rockefeller Foundation, 420 Fifth Avenue, New York, NY 10018-2702.

The Rockefeller Foundation is an Equal Opportunity/Affirmative Action Institution

THE UNIVERSITY OF CALIFORNIA, IRVINE

SCHOOL OF BIOLOGICAL SCIENCES ANNOUNCES 3 FACULTY OPENINGS

UCI's School of Biological Sciences has 75 full-time faculty members conducting innovative research in areas such as molecular, cellular and developmental biology, neurobiology, biochemistry, genetics, ecology and evolutionary biology. Together with the basic science departments of the College of Medicine, we operate several well regarded graduate programs. Adding to our successful recruitment of four new faculty members last year, we currently have three tenure-track positions which will require selected candidates to develop and maintain active research programs and to participate in undergraduate and graduate teaching. For each faculty opening, interested candidates should submit a curriculum vitae, a description of previous and planned research, a statement of teaching experience, and the names and addresses of three references to the attention of the persons listed below BY DECEMBER 15, 1995.

Department of Developmental and Cell Biology

Assistant Professor

CELL BIOLOGY - Tenure Track

The successful candidate will be expected to develop and maintain an active, funded research program on signal transduction and/or cell-cell signaling, and to participate in teaching cell biology at both graduate and undergraduate levels. Preference will be given to applicants who will strengthen the cell biology research activities in the department. Research interests in the department include molecular genetics, developmental biology, cell biology, and molecular neurobiology. Send materials to: Dr. Peter J. Bryant, Department of Developmental and Cell Biology, UCI, Irvine, CA 92717-2300.

Department of Psychobiology

Assistant Professor

LEARNING AND MEMORY - Tenure Track

Current departmental research emphasizes plasticity with a focus on problems of learning and memory, interactive neuroscience and aging/neurodegeneration. The successful candidate will be a neurobiologist working at the molecular, cellular, systems or behavioral levels in the area of learning and memory. We anticipate the candidate's research will complement current Departmental research programs and have a manifest relationship to some behavioral endpoint. Send materials to Dr. H.P. Killackey, Department of Psychobiology, UCI, Irvine, CA 92717-4550.

Department of Molecular Biology and Biochemistry

Assistant/Associate Professor

STRUCTURAL BIOLOGY - Tenure Track

The successful candidate will have a background in macromolecular crystallography in the study of fundamental biological problems. Facilities at UCI include high field NMR, state-of-the-art x-ray diffraction equipment, and excellent computing facilities including access to the UCSD Super Computing Center. Send materials to: Dr. Thomas Poulos, Department of Molecular Biology and Biochemistry, UCI, Irvine, CA 92717-3900.

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ANALYTICAL CHEMIST
Ribi ImmunoChem Research, Inc., a biopharmaceutical company located in the Bitterroot Valley in western Montana, is committed to the development of immunostimulants for the prevention and treatment of human disease. We have an immediate need for an Analytical Chemist to lead our assay development and validation efforts in support of our lead products.

The successful candidate will be responsible for developing and validating analytical assays for characterization of drug substances, validating assays for drug formulations, and supporting process and product development activities. Responsibilities also include writing SOPs, protocols, and reports for internal use, preparing analytical sections for submissions to regulatory agencies, and representing the Company on analytical issues at meetings with outside parties. Candidates should possess a Ph.D. in analytical chemistry or related discipline, with 1-3 yrs. post-grad. experience. Knowledge of HPLC, GC, and other wet chemistry techniques required. Familiarity with GMP/GLP regulatory requirements desirable. Must have demonstrated communication and management skills. Respond with cover letter, CV and references by Nov. 15, 1995, to Human Resources, Ribi ImmunoChem Research, Inc., 553 Old Corvallis Rd., Hamilton MT 59840-3131.

UNIVERSITY OF MIAMI
SCHOOL OF MEDICINE
BIOCHEMISTRY AND MOLECULAR BIOLOGY
TENURE TRACK FACULTY POSITIONS
The Department of Biochemistry and Molecular Biology at the University of Miami School of Medicine will undergo a period of major expansion during the next few years. Although emphasis will be on junior faculty, we will consider applicants at all levels. We seek candidates studying fundamental cellular processes at the molecular level. At this time we plan to fill several positions with individuals whose research interests involve prokaryotic or eukaryotic systems. Successful applicants will be expected to develop an independent research program using modern biochemical and molecular biological techniques to address a significant problem at the molecular level. Generous start-up packages and laboratory space are available to help initiate these programs.

Applicants should have a doctoral degree and relevant postdoctoral experience. Demonstrated excellence in research and clear indications of an ability to initiate a strong research program are essential. Candidates should also be able to function effectively as a lecturer and in more informal teaching situations at all levels. Interested individuals should send a complete curriculum vitae, at least three letters of recommendation, a brief description of previous research experience and future research plans, and reprints of most significant work to:

Dr. Murray Deutscher
Faculty Search
University of Miami School of Medicine
P.O. Box 016129 (R-629)
Miami, FL 33101-6129

Review will begin immediately and continue until the positions are filled.

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

FELLOWSHIPS IN CANCER BIOLOGY
UNIVERSITY OF WISCONSIN-MADISON
The Department of Human Oncology and the UW Comprehensive Cancer Center invites applications for several highly competitive NIH-funded postdoctoral and postdoctoral fellowships. Postdoctoral positions beginning as early as January 1996 are open to PhDs (or equivalent) with a strong research background in biochemistry, cell biology, molecular biology, genetics, immunology, pharmacology, or related fields, who wish to apply their skills to cancer-related problems. For further information, qualified individuals (U.S. citizens or permanent residents, only) should contact one of the faculty below at the listed address. Applications for several graduate fellowships for study leading to a PhD in Cancer Biology, beginning September 1996, are due March 15, 1996, but applicants are urged to apply earlier. For more information and application forms contact: R. Timothy Mulcahy, PhD, K4/334 CSC, University of Wisconsin, 600 Highland Avenue, Madison, WI 53792.

Faculty and research programs include: Hirak Basu, PhD, role of DNA structure in regulating cell growth, gene transcription and DNA replication; David A. Boothman, PhD, DNA damage-induced gene expression, experimental therapeutics; Steven S. Clark, PhD, oncogenes and signal transduction, molecular pathogenesis of leukemia, developmental immunology; Kelly H. Clifton, PhD, radiation carcinogenesis, regulation of cancer progenitor cells; Michael N. Gould, PhD, molecular biology of breast cancer, cancer prevention and therapy; Timothy J. Kinsella, MD, modifiers of radiation damage in cells; Amy R. Moser, PhD, genetics of cancer susceptibility, experimental tumorigenesis; Shigeki Miyamoto, PhD, ret/NFkB transcription factors in oncogenesis; R. Timothy Mulcahy, PhD, molecular mechanisms of drug resistance, molecular regulation of glutathione synthesis; Catherine A. Reznikoff, PhD, molecular carcinogenesis, cancer genetics; Mark A. Ritter, MD, PhD, regulation of cell cycle kinetics in tumor cells; Paul M. Sondel, MD, PhD, tumor immunology, molecular biology of cytokine receptors, gene therapy; Ajit K. Verma, PhD, role of protein kinase C and retinoic acid nuclear receptors in carcinogenesis.
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Phone: (212) 496-7704  
Fax: (202) 682-0816  
E-mail: science_classifieds@aaas.org

**In Europe:** Contact Debbie Cummings  
Phone: (44) 01223 302-067  
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Department of Biology

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Eukaryotic Molecular Geneticist (Position 960B), whose research addresses evolutionary questions. Applicants must be capable of teaching molecular genetics, introductory genetics and evolution.

Immunologist (Position 960A), capable of teaching immunology at the introductory and graduate levels, and possibly in the areas of microbiology, molecular biology, and/or virology.

Vertebrate Physiologist (Position 961A), capable of teaching introductory level courses in human anatomy and physiology, and advanced courses in his/her specialty.

Submit letter of interest, curriculum vitae, statement of teaching interests and philosophy, descriptions of research, recent reprints, and three letters of reference by November 17 to the address below. For additional information, contact Dr. Douglas Shapiro, Department Head, Phone (513) 487-4242, Fax (313) 487-9235.

Position # (see above)
204 King Hall
Eastern Michigan University
Ypsilanti, MI 48197

AQUATIC ECOLOGIST
ILLINOIS NATURAL HISTORY SURVEY

The Center for Aquatic Ecology (CAE) invites applications for a career-track position as an Assistant Professional Scientist. We seek exceptional candidates studying ecological processes at the population, community, or ecosystem/landscape level. Preference will be given to individuals with strong quantitative skills who utilize empirical and theoretical approaches to address basic/applied questions of broad significance to aquatic ecosystems. Candidates must hold a Ph.D. in an appropriate discipline, have an outstanding record of independent research, and will be expected to develop a strong, externally funded research program relating to ecology/evolution/conservation in freshwater systems. The Natural History Survey (NHS) is an Affiliated Agency of the University of Illinois and is located on the Urbana-Champaign campus. The ten CAE Scientists conduct self-directed research on a broad range of questions and study a wide array of taxa in systems ranging from large rivers and the Great Lakes, to benthic streams and temporary ponds. CAE scientists have full access to campus facilities and resources, and may hold affiliate appointments in university departments, teach, and supervise graduate students. Technical questions regarding this position should be directed to the search chair, Dr. David Wahl, INES-CAE, Ph. (217) 728-4400, E-mail: d.wahl@uiuc.edu

TO APPLY: Please send a letter of application, curriculum vitae, a statement of research interests, reprints of no more than three representative publications, and the names, addresses, and phone numbers of four references to: Jacqueline Sanders, CAE Search, Illinois Natural History Survey, 607 E. Peabody, Champaign, IL 61820. Ph. (217) 333-4949. Review of applications will begin 3 November 1995.

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You will conduct research on mechanistic aspects of immune and neuronal cell apoptotic death. Ph.D. or equivalent in Cell Biology, Immunology, Neuroscience or related discipline, with research focus on cellular or biochemical processes of cell growth and death, is required. Should be experienced with tissue culture techniques, as well as state-of-the-art biochemical and immunological techniques. Familiarity with cellular and biochemical processes involved in recognition, growth regulation and death essential. Working background in apoptosis is a plus. REFERENCE JOB # 2219.

Explore the possibilities. Send us a cover letter and resume, indicating Reference Job # to:

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BIRTH DEFECTS
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Deadlines for submission of grant applications are December 31 for July 1st funding and June 30th for January 1st funding. Address inquiries or requests for applications to:
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