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FACULTY POSITION
MOLECULAR VIROLOGIST

The Department of Medical Microbiology and Immunology at The Ohio State University is seeking applications for a tenure-track, mid-level faculty position in the position of ASSISTANT/ASSOCIATE PROFESSOR level in Molecular Virology. Individuals whose research emphasizes molecular, biochemical, and/or genetic approaches using any viral model are encouraged to apply. The Ohio State University is in the midst of an aggressive recruitment effort and expansion in Molecular Life Sciences, including Molecular Medicine. Opportunities exist for interaction with molecular virologists within the department and throughout one of the most comprehensive universities in the country. Affiliations with the University’s Comprehensive Cancer Center, Retrovirus Center, AIDS Clinical Trials Unit, Heart and Lung Institute, Children’s Hospital Research Foundation, and other interdisciplinary programs are encouraged. Candidates hired at the rank of Assistant Professor will be expected to develop and maintain a high quality, funded research program. Individuals at the rank of Associate Professor will have a proven track record of peer-reviewed funding with strong potential for a nationally recognized research program. Applicants should forward a curriculum vitae, statement of research interests/goals, and the names of three references to Dr. Marshall Williams, Chairperson, Virology Search Committee, Department of Medical Microbiology and Immunology, 333 West 10th Avenue, The Ohio State University, Columbus, OH 43210. Consideration of applications will begin on January 2, 1997, and continue until the position is filled. The Ohio State University is an Equal Opportunity/Affirmative Action Employer, minority, women, disabled veterans, and individuals with disabilities are encouraged to apply.

CHAIRPERSON

Department of Pharmaceutical Sciences
Texas Tech University Health Sciences Center, Amarillo

The Department presently includes ten faculty plus six new positions for 1997. Total planned faculty is 18, with expertise in immunology, molecular biology, pathophysiology, pharmacology, toxicology, pharmacometrics, and pharmacoeconomics. The department has responsibilities for personnel and budget management; instruction and research are also expected.

The successful candidate will have accomplishments in mentoring young scientists and program development; an active research program; accomplishments commensurate with an appointment at the rank of PROFESSOR with tenure; and a commitment to profession professional pharmacy education. Applications review begins January 6, 1997, open until filled. Submit curriculum vitae, description of research program and plans, and names, addresses, telephone, and fax for three references to: Arthur A. Nelson, Jr., Dean, Texas Tech University Health Sciences Center, Amarillo 79106. Check our online page: www.iom.ama.ttuhsc.edu.

ASSISTANT/ASSOCIATE PROFESSOR

Molecular Immunology, LSU Medical Center

The Department of Microbiology and Immunology, Louisiana State University Medical Center, invites applications for a TENURE-TRACK position at the Assistant or Associate Professor level. The department seeks to add to its faculty some outstanding scientists with research interests in cellular and molecular biology, and an interest in the study of infectious disease. The successful candidate will be expected to develop an independent research program and to participate in the teaching of undergraduate and graduate students. The candidate must have a Ph.D. and be able to demonstrate research accomplishments and high quality publications. Women and members of minority groups are encouraged to apply. Applications should be sent to: Chair, Search Committee, Department of Microbiology and Immunology, 3555 Jefferson Highway, New Orleans, LA 70119-5301.

ASSISTANT PROFESSOR

BIOLOGICAL SCIENCES

The Department of Biological Sciences, University of Southern Mississippi, invites applications for a tenure-track position at the ASSISTANT PROFESSOR level starting fall 1997. Applicants may have research interests in any area of microbiology. The successful candidate will be expected to develop a vigorous, independent research program and to direct graduate students (M.S., Ph.D.). Teaching at the undergraduate level will include both general biology and specialized courses in molecular microbiology. The department offers a robust undergraduate major in microbiology and a strong graduate program in molecular biology. Successful candidates should have a Ph.D. completed by January 1, 1998. Submit a letter of interest, curriculum vitae, publication list, and names of three references to: Dr. Jerry A. Jones, Chair, Department of Biological Sciences, University of Southern Mississippi, Hattiesburg, MS 39406. Applications will be reviewed until the position is filled.
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International Experience
"In addition the candidate must have international experience. He/she should have lived and worked in another country for at least 2 to 3 years during his/her career. At Heineken, we have 116 breweries in 57 different countries and R&D works for all these breweries. So, we need people who enjoy communicating and working with people from many different cultures.

Focused R&D Projects
"Another important requirement is the ability to develop focused R&D projects from vaguely stated opportunities or problems, from descriptions like: 'We want a new product that competes in the specialty segment' or 'Our filtration rates vary from week to week'. The Section Manager has to be a catalyst in precisely defining the opportunity or the problem... by asking the right questions. And he has to encourage his people to think for themselves, to be creative, to 'sell' their ideas to the company.

Teamwork
"Then, the Section Manager has to put together an R&D team, including a 'project champion' from outside R&D, to plan and carry out the project. He has to ensure the results are communicated, clearly and simply, and are widely implemented when the project is successful. This requires another set of skills... flexibility, patience, and interpersonal sensitivity... so we are always looking for people who are experienced and skilled in working with people from different countries.

Results
"Finally, the Section Manager must be highly motivated and persistent, to ensure that his projects deliver results that are relevant to our breweries. The easy problems have already been solved, so this person must be able to deal with difficult problems, unsuccessful experiments, and -at times-slow progress.

People Make The Difference
"Perhaps the most fundamental belief at Heineken is that people make the difference... good people, well trained people. Continuing education is a high priority at Heineken, particularly within R&D. The Section Manager has to develop his people... through training and coaching, encouraging and evaluating. Simply put, our objective is to hire the best people and keep them the best!

English Language
"Fortunately for me, the company language is English. Otherwise I would have difficulties in communication, as I have lived in the Netherlands for two years and speak only a little Dutch.

If you meet the above requirements and are interested in a challenging R&D career, please apply for the position of Section Manager Product & Process Quality Heineken R&D, by sending a letter and CV to Mr. C.F.F. Mensing, Personnel & Management Services, P.O. Box 530, 2380 BD Zoeterwoude, the Netherlands.
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ASSISTANT PROFESSOR OF BIOCHEMISTRY
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TENURE-TRACK FACULTY

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CHAIR
Department of Biological Sciences

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Review of applications will begin January 15, 1997. Applicants should send a curriculum vitae; a concise statement of administrative philosophy; a description of present and future research and instructional interests; and the names, addresses, and telephone numbers of at least three references to: Dr. Lawrence B. Cahoon, Chairperson Search Committee, Dept. of Biological Sciences, UNC Wilmington, Wilmington, NC 28403; Telephone: 910-962-3706; FAX: 910-962-4066; Email: Cahoon@uncwil.edu; Homepage: www.uncwil.edu

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We are seeking a highly motivated scientist to participate in gene discovery research for the identification of novel biotherapeutics. You will also have an opportunity to interact with similar groups at other Bayer Research Centers in the U.S., Europe, and Japan.

Use your Ph.D. in Molecular, Structural, or Evolutionary Biology and 3+ years of postdoctoral experience to assume primary responsibility for bioinformatics-driven gene discovery projects, development of innovative database search algorithms and strategies, and management of in-house genetic databases. You should have demonstrated expertise in the interrogation of DNA and protein sequence databases and C programming in a UNIX environment. Familiarity with sequence-structure relationships and analysis of gene families is desirable.

If this career opportunity interests you, send your resume to: Bayer Corporation, Human Resources Department, Attn: MJD-BSCB, P.O. Box 1986, Berkeley, CA 94701. EOE/AA/D.

Structural Biology Program, University of Vermont College of Medicine: As part of a strong commitment to the development of structural biology at the University of Vermont, the College of Medicine invites applications and nominations for three full-time faculty positions. We welcome applications from highly talented scientists with demonstrated expertise and accomplishments in the application of state-of-the-art methods in x-ray crystallography or NMR spectroscopy to important biological problems.

Applicants must have a strong background in the structure and dynamics of proteins and/or nucleic acids. Tenure-track positions may be filled at the rank of Assistant or Associate Professor. Individuals with exceptional records of accomplishment and experience may be considered for tenured positions at the rank of Professor.

Positions and facilities are funded in part through grants from the Howard Hughes Medical Institute and the Lucille P. Markey Charitable Trust. Primary appointments are available in the Departments of Biochemistry, Molecular Physiology and Biophysics, Microbiology and Molecular Genetics, and Pharmacology. Adjunct appointments in the Department of Chemistry and/or in College of Medicine departments will be arranged by mutual agreement. Further information about departmental programs and research interests can be obtained at http://www.uvm.edu.

Applicants should submit a curriculum vitae, research interests and plans, and names of three references to:

Dr. John M. Burke, Chair
Structural Biology Search Committee
University of Vermont College of Medicine
E-109 Given Building
Burlington, VT 05405

The University of Vermont is an Equal Opportunity/Affirmative Action Employer. Women and people from diverse racial, ethnic, and cultural backgrounds are encouraged to apply. Review of applications will begin immediately. The deadline for receipt of applications is February 1, 1997.
The NutraSweet Kelco Company, a unit of Monsanto, is a new affiliation of two of the best known names in the food ingredient world. With over 2500 employees worldwide, and a commitment to aggressive growth. The NutraSweet Kelco Company is projected as a dominant player in the food ingredient market in the twenty first century.

**Molecular Biologist/Biochemist**

This Senior Scientist level position will develop improved microbial strains for the production of novel food ingredients. The successful candidate will have demonstrated ability to design and execute a research project under minimal direction. The ability to work effectively on multiple projects is required. He/she will be capable of working independently or within a multi-disciplinary team. The candidate will have demonstrated ability to conceive and develop new technological approaches to solving problems.

A Ph.D. in Molecular Biology or Biochemistry with 0-10 years experience is required. The candidate will have substantial and practical experience in genetic engineering of metabolic pathways. Broad and specific abilities in construction of recombinant plasmids and bacterial strains is required. A fundamental knowledge and demonstrated expertise in the analytical aspects of molecular biology are expected. Experience with the development and use of enzyme assays is preferred.

Applicants should send current CV and references who may be contacted on their behalf to: The NutraSweet Kelco Company, Human Resources, Job #SCB1, 8355 Aero Drive, San Diego, CA 92123-1718. EEO/AA Employer M/F/DV.

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**Imagine The Possibilities**

At Berlex, we've built our reputation on FDA-approved product successes and a proven track record in the pharmaceutical industry. Currently, we are seeking a highly motivated Scientists/Protein Chemist to join our Richmond facility in the beautiful San Francisco Bay Area.

**SCIENTIST/PROTEIN CHEMIST**

As part of our Protein Biochemistry Department, you will collaborate with Discovery Research Scientists to identify and validate protein-based drug targets. Specifically, you will evaluate therapeutic protein targets identified by novel gene expression associated with diseases. This will require the ability to work effectively in a multidisciplinary team supported by a background in protein chemistry and enzymology; experience in protein engineering utilizing phage display and oligonucleotide directed mutagenesis is desirable. Along with a PhD and at least 2-3 years experience in enzymology and protein engineering, you must have excellent written and oral communication skills and a record of productivity evidenced by publications in peer reviewed journals.

As a US subsidiary of an international Fortune 500 company, Berlex is proud to offer competitive salaries and a generous benefits package. To apply, send your CV/resume to: BERLEX, HUMAN RESOURCES EMPLOYMENT, 15049 SAN PABLO AVE., RICHMOND, CA 94804-0089. Principals only, please. EOE.

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**Building a Worldwide Healthcare Business for Tomorrow.**

**Genelabs**, a biopharmaceutical company located in the San Francisco Bay Area, is focused on drug development and the discovery of small organic molecule gene-regulating drugs. Genelabs is currently seeking qualified research professionals for the following positions:

**Research Directors**

**Biology & Biochemistry/Biophysics**

Research Directors will manage the teams directly involved in the functional areas of Molecular Biology and Biochemistry/Biophysics. Each position requires a Ph.D. and/or MD in the life sciences and at least 5 years of industry experience including management of a research team. Qualified candidates will possess a proven record of innovative scientific achievement and will be expected to maintain superior standards of integrity in both science and business. They will have excellent organizational, team building and written/verbal communications skills. Expertise in nucleic acid binding compounds and/or transcriptional regulation is highly desirable. (Job# SC1206-RD)

**Scientists**

To lead small teams in the study of transcriptional regulation of specific disease-associated genes and to develop biochemical assays to characterize the effects of DNA-binding drugs on gene expression. Qualified candidates will possess a Ph.D. with relevant post-doctoral experience and a strong background in molecular biology with specific emphasis on the regulation of gene expression. (Job# SC1206-S)

**Senior Research Associate/Research Associate**

Assist with the design and optimization of biochemical assays for high-throughput screening applications. Requires a BS/MS in biological sciences and a minimum 3-5 experience in molecular biology or a related field. High-throughput screening experience is highly desirable. (Job# SC1206-RA)

**Postdoctoral Fellows**

To analyze the transcription regulation of a specific disease-associated gene and to explore the use of yeast as a model system to characterize the effects of DNA-binding molecules on gene expression. Ph.D. in molecular biology or related field and relevant research experience required. (Job# SC1206-PD)

We offer attractive compensation, full medical benefits and generous equity participation in a challenging research environment that recognizes and rewards achievement. To apply, please send resume to:

Genelabs Technologies, Inc.  
Human Resources Dept.  
Attention Job#  
505 Penobscot Drive  
Redwood City  
CA 94063  
Fax: (415) 368-0709  
EOE

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**BERLEX**

**GENELABS TECHNOLOGIES, INC.**
THE UNIVERSITY OF CALIFORNIA AT BERKELEY

Tenure-track Professor Faculty Position in
Systems and/or Cognitive Neuroscience
and Director of the Center for Neuroscience

We seek a senior neuroscientist to join an active neuroscience community to lead and help build a newly endowed Center for Neuroscience. Research emphasis is one of several broad areas of neuroscience, including mechanisms of learning and memory; dynamic properties, imaging, and computational analysis of neural circuits, networks, and systems; neural basis of behavior and perception; or human cognitive function. Completed applications must be received by March 1, 1997. The appointment can commence July 1, 1997. Ph.D. and/or M.D. scientists should have demonstrated excellence, originality, and productivity in research as well as a strong interest in undergraduate and graduate education.

Applications should include a curriculum vitae, bibliography, and a brief description of research accomplishments; a two-page statement of research objectives and teaching interest; and reprints of the three most significant publications. Arrange to have three letters of reference sent to the address below on your behalf. Send applications to:

Administrative Assistant, Center for Neuroscience Search
University of California, Berkeley
Department of Molecular and Cell Biology
142 LSA #3200
Berkeley, CA 94720-3200

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

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PASTEUR MÉRIEUX CONNAUGHT is the world’s largest vaccine manufacturer and a member of the Rhône-Poulenc global family of companies. Pasteur Mérieux Connaught Canada is Canada’s leading vaccine supplier and the nation’s largest fully integrated biotechnology research company. Currently, we have a challenging opportunity for a:

DEVELOPMENT SCIENTIST

Your innovative vision will be the primary force behind efforts to develop, optimize and scale up processes for new products, as well as improve existing products. You will supervise the technical staff and lead development studies. A strong scientific background in protein biochemistry and biotechnology is required, as is knowledge of GMP and immunology. Additionally, you must be familiar with aseptic and protein-characterization techniques. Key abilities in project-management and planning/scheduling are also essential.

The company offers a competitive salary and benefits package. Qualified candidates should forward their resumes in confidence to:

PASTEUR MÉRIEUX CONNAUGHT CANADA
Attention: Teresa DeRosa, Human Resources
1755 Steeles Avenue West
North York, Ontario M2R 3T4
FAX: (416) 667-9391

We want to thank all applicants; however, only those under consideration will be contacted.

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UNIVERSITY OF MINNESOTA

Biological Sciences Graduate Programs

A great combination...
At the University of Minnesota a world-class, Big 10 research university and a world-class metropolitan area come together. In addition to excellent graduate programs that are student-focused and cover the spectrum of the biological sciences, you'll ALSO enjoy a cosmopolitan culture, beautiful nature, and our 10,000 lakes.

A great opportunity...
Launch your career in an unparalleled environment. See us on the World Wide Web to learn more about our comprehensive menu of graduate programs in the biological sciences.

http://www.cbs.umn.edu/gp

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ARES ADVANCED TECHNOLOGY

THE STRENGTHS OF SERONO

The Ares Serono Group is a pioneering organization widely recognized for turning specific challenges into achievements. At Ares Advanced Technology, the U.S. R&D Arm of the Ares Serono Group, we employ state-of-the-art methods in Structural Biology, Cell Biology, Molecular Biology and Protein Chemistry to discover and evaluate new biopharmaceutical agents of clinical importance. The exciting, ongoing success of our product portfolio and research projects has triggered the need to add gifted individuals to our staff. Financial stability, innovative products, an entrepreneurial environment and our emergence as a fully integrated company means Ares Advanced Technology can offer you what no one else can: The Best of Biotech.

PRINCIPAL INVESTIGATOR
Molecular Biology

As a member of our Molecular Biology Department, you will initiate and lead programs in cloning and mammalian expression for the discovery and production of novel therapeutic proteins. You should be a highly motivated, self-reliant individual with extensive hands-on experience in mammalian expression systems. Requires a PhD with a minimum of 2-4 years of postdoctoral work. Expertise in general molecular biology techniques is essential, as is a broad knowledge of transcription/gene regulation/promoters, and post-transcriptional processes. Success in independent research and the ability to work as part of a team is required. Reference Dept. MB74

SCIENTIST
Experimental Therapeutics

This candidate will be responsible for in vitro biologic evaluation of novel compounds such as peptides, small organic molecules, and recombinant molecules in the immunology, oncology and endocrinology therapeutic areas. Duties will include development and utilization of assays for immunodetection, cell proliferation, cell surface marker expression (FACS), signal transduction, cytokine expression and lymphocyte functions. Candidate will be expected to conduct experiments in an independent and well designed manner and to analyze results and provide written reports of the results. Requires a BS in biological sciences or related areas with 4+ years’ experience in immunology/oncology or a cell biology related discipline. Reference Dept. E173

For consideration, please forward your CV to
Ares Advanced Technology, Inc., Human Resources,
280 Pond Street, Randolph, MA 02368
An Equal Opportunity Employer.
RESEARCH SCIENTIST

Merck Research Laboratories in Rahway, New Jersey is seeking a talented scientist to study the regulation of LH release both in vitro and in vivo. Research will include GnRH receptor binding, dimerization, desensitization, and internalization as well as signal transduction which leads to the release of LH. In addition, the selected candidate will establish a hypothalamic cell culture system to study the regulation of GnRH secretion.

Applicants should have a Ph.D. in Biochemistry, Physiology, or Pharmacology with strong background in endocrinology and research experience in peptide hormone action including receptor binding and signal transduction mechanism plus at least two years of postdoctoral training. We will also consider postdoctoral fellow who has the ability to do independent basic research.

Merck Research Laboratories are located in Rahway, NJ, approximately 25 miles from New York City. Our salaries, benefits and growth potential are excellent. For consideration, send your resume with the names of three references to: Merck Research Laboratories, Human Resources, AD #12, P.O. Box 2000, RY00A-3, Rahway, NJ 07065. EOE/AA/VH/Employer.

The Laboratory of Molecular Cell Biology, National Cancer Institute invites applications for a Tenure Track Principal Investigator position in the area of the molecular biology of eukaryotic chromosomes and the cell nucleus. Under the direction of Dr. Carl Wu, the LMCB fosters an interactive research environment and the use of diverse experimental approaches and model systems. Applicants should have a Ph.D. or M.D. degree, a strong publication record, and demonstrated potential for imaginative research. Salary will be commensurate with education and experience with a range between $45,000 and $65,000. Send a curriculum vitae, brief statement of research interests, and three letters of recommendation by Jan. 31, 1997 to:

Ms. Mary Daniels, Executive Secretary Search Committee, LMCB, NCI Building 37, Room 5A13 36 Convent Drive, MSC 4255 Bethesda, MD 20892-4255

The National Cancer Institute is an Equal Opportunity Employer.

NATIONAL CANCER INSTITUTE
DIVISION OF CANCER TREATMENT, DIAGNOSIS AND CENTERS
CANCER DIAGNOSIS PROGRAM
ROCKVILLE, MARYLAND

Opening Date: November 12, 1996 Closing Date: January 13, 1997 Announcement Number: CA-96-0320

ASSOCIATE DIRECTOR, CANCER DIAGNOSIS PROGRAM

The Cancer Diagnosis Program, Division of Cancer Treatment, Diagnosis and Centers (DCTDC), National Cancer Institute (NCI), National Institutes of Health, is seeking candidates for the position of Associate Director. The selected scientist will report to the Director, DCTDC. The Associate Director will work with NCI’s senior leadership, its advisory groups, other organizational units of the Institute and private industry in conceptualizing and implementing NCI’s expanded efforts in the discovery, development and clinical testing of novel molecular diagnostic tests and devices for cancer. The selected scientist will also be responsible for the day-to-day scientific management of the program which includes scientific evaluation of grant and cooperative agreement applications and contract proposals in response to the programmatic initiatives of the NCI. The Associate Director will also be responsible for providing scientific leadership to the program staff, setting priorities, establishing policies to allow efficient and effective implementation of program objectives, managing personnel, advising the Director, DCTDC, and the Director, NCI, regarding scientific opportunities in cancer diagnosis, coordinating preparation of relevant reports and budget justifications and making presentations. In addition, the Associate Director interacts with other federal agencies, professional organizations and the public on issues related to cancer diagnosis. The extramural research funded supports a broad program of activities of cancer diagnosis. As a recently established program, it is expected that this major area of scientific opportunity will grow to a funding level of approximately $100 million dollars in the next few years.

This is a Civil Service position in the Senior Executive Service (SES), with annual salary compensation between $100,526 to $122,688 per annum. (Applicants alternatively may be eligible for appointment in the Commissioned Corps of the U.S. Public Health Service). The individual selected, if not presently in the SES, must serve a one-year probationary period.

Applicants must meet the minimum qualifications requirements. Applicants must further meet established mandatory professional/technical and managerial/executive requirements. Applicants will be further evaluated on the degree to which they possess additional desirable qualifications in the area of professional/technical qualifications. Managerial/executive qualifications, scientific reputation/peer recognition, training and education, and honors and awards. A copy of the requirements may be obtained by contacting Ms. Toni McKeown in the Human Resources Management and Consulting Branch, NCI, at (301) 402-2812. Applications/resumes are to be sent to:

MS. TONI MCKEOWN (0320) NATIONAL CANCER INSTITUTE HUMAN RESOURCES MANAGEMENT AND CONSULTING BRANCH 6120 EXECUTIVE BOULEVARD EPS/ROOM 550 ROCKVILLE, MARYLAND 20852

A current curriculum vitae and bibliography must accompany all applications/resumes for entrance into the SES. In addition, applicants are encouraged to complete the DHHS Applicant Background Survey form (completion of this form is voluntary). You may contact Ms. McKeown on the above number to obtain a copy of this form. Applications will be accepted for a period of 60 days following the opening date of the announcement.

Public Health Service commissioned Officers wishing to enter the SES must follow the above procedures. Officers interested in performing the duties of the position within the Commissioned Corps may submit a resume to the above address.

NCI is an Equal Opportunity Employer
TENURE-TRACK FACULTY POSITION
SIGNAL TRANSMISSION
TEXAS A&M University
Department of Medical Biochemistry and Genes
University Health Science Center and Center for Cell Biology and Nutrition
Alkek Institute of Biosciences and Technology

The position will be housed in the new 1-St Alkek Institute of Biosciences and Technology (BITI) research tower located in the Texas Medical Center. The position is aimed at recruiting interdisciplinary structural biologists, and bioinformaticists that bridges medicine and agriculture at the cell and molecular levels with interactions between the Texas Medical Sciences and the Texas A&M University System. The Center for Cancer Biology and Nutrition focuses on mechanisms of signal transduction whose dysfunction may be involved in cancer and the impact of nutrients on these processes at the molecular level.

Applications will be considered for a tenure-track position at the ASSISTANT PROFESSOR level, or at the ASSOCIATE PROFESSOR level, or M.D. degree, exhibit research contributions in cell, molecular, and/or developmental biology, and have potential to develop an independent research program and be successful in obtaining sponsored research funds. Applicants should have a Ph.D., D.V.M., or M.D. degree; submit research contributions in cell, molecular, and/or developmental biology, and have potential to develop an independent research program and be successful in obtaining sponsored research funds.

Interested individuals should submit a letter of application and curriculum vitae, and have three letters of reference sent to: Dr. William L. McKechnie, c/o Ms. Diana Taylor, Department of Biological Sciences, University of North Texas, 1212 College Blvd., Denton, TX 76203-3303. Texas A&M University is an Affirmative Action/Equal Opportunity Employer.

SAN JOSE STATE UNIVERSITY
Faculty Positions in Science Education

The College of Science seeks: 1) an ASSOCIATE or ASSOCIATE PROFESSOR with expertise in science education and atmospheric science, geology, or physics; and 2) an ASSISTANT PROFESSOR with expertise in science education, human evolution, and information technology. Both tenure-track positions begin August 1997. A Ph.D. is required. At least 50% of effort will be in the Science Teacher Preparation Program.

Interested individuals should contact the appropriate science department. Further information is available at: http://www.MASTEP.SJSU.edu or write to: Dr. Jean Beard, College of Science, San Jose State University, San Jose, CA 95192 0099. San Jose State University is an Equal Opportunity/Affirmative Action/Title IX Employer.

ASSISTANT OR ASSOCIATE PROFESSOR
THE OHIO STATE UNIVERSITY
Pharmacology and Pharmaceutical Chemistry
College of Pharmacy
The Ohio State University
500 West 12th Avenue
Columbus, OH 43210 1291

The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Women, International, and Veteran or disabled candidates, and individuals with disabilities are encouraged to apply.

ASSISTANT PROFESSOR: Biological Control, 12-month tenure-track appointment, in the Department of Entomology. Ph.D. or equivalent doctorate in entomology with experience in biological control. Develop research into the use of natural enemies as agents or targets of biological control, by discovering new biological control agents, evaluating their potential for success, and implementing control programs in agricultural or natural ecosystems. Responsibilities include teaching, conducting research, and addressing the theoretical aspects of biological control. Teach two courses per academic year, one annually in arthropod systematics and an introductory course in biological control and a course dependent upon appointee’s expertise in alternate years. Detailed position description available at: http://www.cnt-agri.umn.edu/ or by mail. Send letter of application, statement of goals, curriculum vitae, transcript, up to three of colleagues, and names of five references: to D. W. Ragdale, Chair, Search Committee, Department of Biological Sciences, 219 Plaiton Hall, University of Minnesota, St. Paul, MN 55108. Telephone: 612-624-6771; FAX: 612-625-5299, Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSORS OF BIOLOGY
Indiana University of Pennsylvania (IUP) invites applications for two tenure-track ASSISTANT PROFESSOR positions in the Department of Biology to begin fall 1997. Candidates with experience teaching introductory courses and participating in departmental general college offerings. Other duties are developing undergraduate and/or M.S. graduate courses in area of expertise, research and service. Opportunity to participate in environmental research and interdisciplinary biochemistry programs. Send curriculum vitae, statements of teaching and research interests, transcripts, and three letters of reference to: Dr. Linda Kiernan, Chair, Search Committee, Biology, College of Arts and Sciences, Indiana University of Pennsylvania, Indiana, PA 15705. Deadline for receipt of applications is January 15, 1997. IUP is an Affirmative Action/Equal Opportunity Employer. To see: http://www.iup.edu/

ASSISTANT OR ASSOCIATE PROFESSOR
THE OHIO STATE UNIVERSITY
Pharmacology and Pharmaceutical Chemistry
College of Pharmacy

Applicants for this TENURE-TRACK position should have a Ph.D. degree in pharmacology, pharmaceutical chemistry, or a closely related field of biomedical or molecular biology. Postdoctoral research experience is desirable. Preference will be given to applicants who have a professional degree in pharmacy and teaching experience, especially in a college of pharmacy. To compete effectively for this position, Division I-III, the program is preferred at the molecular or cellular level in the areas of targeted drug delivery, gene therapy, controlled release, and drug delivery systems.

Applications and supporting materials should be submitted to: Dr. William L. Hayton, Chair, Division of Pharmacology and Pharmaceutical Chemistry, College of Pharmacy, The Ohio State University, 500 West 12th Avenue, Columbus, OH 43210-1291

ASSISTANT PROFESSOR: Biological Control, 12-month tenure-track appointment, in the Department of Entomology. Ph.D. or equivalent doctorate in entomology with experience in biological control. Develop research into the use of natural enemies as agents or targets of biological control, by discovering new biological control agents, evaluating their potential for success, and implementing control programs in agricultural or natural ecosystems. Responsibilities include teaching, conducting research, and addressing the theoretical aspects of biological control. Teach two courses per academic year, one annually in arthropod systematics and an introductory course in biological control and a course dependent upon appointee’s expertise in alternate years. Detailed position description available at: http://www.cnt-agri.umn.edu/ or by mail. Send letter of application, statement of goals, curriculum vitae, transcript, up to three of colleagues, and names of five references: to D. W. Ragdale, Chair, Search Committee, Department of Biological Sciences, 219 Plaiton Hall, University of Minnesota, St. Paul, MN 55108. Telephone: 612-624-6771; FAX: 612-625-5299, Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSORS OF BIOLOGY
Indiana University of Pennsylvania (IUP) invites applications for two tenure-track ASSISTANT PROFESSOR positions in the Department of Biology to begin fall 1997. Candidates with experience teaching introductory courses and participating in departmental general college offerings. Other duties are developing undergraduate and/or M.S. graduate courses in area of expertise, research and service. Opportunity to participate in environmental research and interdisciplinary biochemistry programs. Send curriculum vitae, statements of teaching and research interests, transcripts, and three letters of reference to: Dr. Linda Kiernan, Chair, Search Committee, Biology, College of Arts and Sciences, Indiana University of Pennsylvania, Indiana, PA 15705. Deadline for receipt of applications is January 15, 1997. IUP is an Affirmative Action/Equal Opportunity Employer. To see: http://www.iup.edu/
Anticipated ASSISTANT PROFESSOR, Institute for Environmental Studies

The Institute for Environmental Studies at Louisiana State University is seeking to fill an assistant professor, tenure track position (nine months academic appointment) in our interdisciplinary program. IES has strong research and teaching programs in environmental science, including toxicology, and environmental planning and management. IES is one of eight academic research units that form the Center for Coastal, Energy and Environmental Resources.

The Institute is particularly interested in individuals with a strong disciplinary foundation in their field, with an interest in applying their research and teaching skills to solving environmental problems. IES has close ties and interacts with both industry and governments in addressing environmental issues of importance to Louisiana and the nation. Applicants are requested to send a copy of their curriculum vitae, the names of three references, plus a brief description of their research goals and experience directly to the Search Committee Chair, Institute of Environmental Studies, 42 Atkinson Hall, Ref: 014247, Baton Rouge, LA 70803.

Applications will be accepted until March 15, 1997, or until the position is filled. At the present time, IES seeks individuals with interest in one of the following areas:

**Molecular/Genetic Epidemiologist**

Applicants should have a Ph.D. in epidemiology, molecular genetics or a related field with biostatistical expertise and evidence of research productivity as reflected by peer-reviewed publications and demonstrated ability to attract extramural research funding. This position presents an exciting opportunity for the successful candidate to conduct molecular epidemiological studies on human populations and/or ecological model systems. Application of parametric and non-parametric methods is essential and experience in population analysis of molecular polymorphic markers is also desirable. The incumbent will be expected to develop a course in environmental epidemiology with related statistical applications as well as techniques relating to biomarker evaluation and will have an opportunity to participate in the LSU interdepartmental program in toxicology.

**Environmental Systems Modeler**

Applicants should have a Ph.D. in ecology/biology, natural resource management, statistics, mathematical modeling, systems science, resource economics with evidence of research productivity as reflected by peer-reviewed publications and demonstrated ability to attract extramural research funding. The incumbent should have extensive training and experience in mathematical and system processes, empirical data analysis and/or spatial statistics applied to complex environmental systems. This individual will be expected to develop at least one graduate course and a research program in computer-based mathematical modeling. The successful candidate would be expected to work in the area of natural resources, ecological health and risk, spatial modeling, environmental systems management, system dynamics or other multidisciplinary areas which might include economics. This position presents an exciting opportunity for the successful candidate to conduct systems research across a number of disciplines.

Texas A&M University at Galveston invites nominations and applications for the position of Vice President and Chief Executive Officer (VP and CEO) of the Texas A&M University at Galveston campus. The holder of this position is the senior administrative officer and chief academic officer of the campus, comprising 85 faculty members and 1,200 undergraduate students. Texas A&M University at Galveston serves as the coastal campus of Texas A&M University and includes administration of one of six maritime academies in the nation. Included at Galveston are three campus locations, the Training Ship Texas Clipper II, and a fleet of research and training vessels. The campus also houses the Texas Institute of Oceanography. The VP and CEO of Texas A&M University at Galveston will report to the Executive Vice President and Provost of Texas A&M University.

Texas A&M University at Galveston opened its doors more than 30 years ago as a special purpose institution offering undergraduate programs in maritime and marine oriented studies. The institution has established a goal of becoming the leading marine and maritime institution on the Gulf of Mexico.

- **THE MAJOR RESPONSIBILITIES OF THE POSITION ARE:**
  - Administer the academic and non-academic activities of Texas A&M University at Galveston.
  - Function as a key member of the leadership team of Texas A&M University.
  - Implement the policies of Texas A&M University on the Galveston campus.
  - Represent programs on the Galveston campus at local, state, national, and international levels.
  - Oversee the selection, tenure, and promotion of faculty.
  - Oversee the recruitment and admissions of students.
  - Oversee academic and physical plant operations.
  - Oversee the development of budgets and the management of resources supporting these budgets.

- **THE MAJOR QUALIFICATIONS FOR THE POSITION ARE:**
  - A strong record of academic accomplishment.
  - Proven administrative capabilities and experience.
  - A commitment to higher education in the form of teaching, scholarship, research, and faculty development.
  - Commitment to cultural, ethnic, and gender diversity.
  - Excellent interpersonal, speaking, and writing skills.
  - Ability to provide visionary leadership and to manage a complex organization.

Texas A&M University at Galveston affirms diversity as essential to its mission; is an equal opportunity, affirmative action employer/educator; and encourages applications and nominations of women and minorities. The Search Committee will begin the screening of candidates for a VP & CEO on Friday, February 14, 1997. Applications, nominations, and names of references are encouraged prior to that date. Further information is available upon request. Nominations and applications should be sent to:

**Dr. Fuller Bazer**
Professor and O.D. Butler Chair in Animal Science
Director, Institute of Biosciences and Technology
2121 West Holcombe Boulevard
Suite 202
Houston, Texas 77030
Fax: (713) 677-7725
E-mail: fbazer@vetmed.tamu.edu

Please be advised that under Texas law, names and other information concerning applicants or nominees may be subject to disclosure upon request.
OREGON HEALTH SCIENCES UNIVERSITY FACULTY POSITIONS

The Vollum Institute invites applications for faculty positions at any rank equivalent to ASSOCIATE, ASSOCIATE/ASSISTANT, or FULL Professor. Preferred candidates will have a strong record of research in any area of neurobiology and/or developmental biology. In addition to having a strong research program, applicants are sought who will complement the current faculty strengths in molecular/cellular signaling, apoptosis, molecular disorders of skin, and the regulation of apoptosis in skin diseases. Extensive use of human skin SCID mouse chimeric animal models is anticipated to focus on lymphocytes and their function. You will be provided with a laboratory and office facilities within the new 125,000-square-foot Cancer Center building, and a competitive compensation and start-up funds package. Opportunities for teaching at the graduate level are available within four graduate programs at the Medical Center.

Interested applicants with an M.D. and/or Ph.D. should submit a curriculum vitae, three professional references, and a description of current and future research interests by January 31, 1997 to: Brian J. Nickoloff, M.D., Ph.D., Program Director, Skin Cancer Research Program, Loyola University Medical Center, 2160 South First Avenue, Maywood, IL 60153-5385. An Equal Opportunity/Affirmative Action Employer. Minors and women are encouraged to apply.

ASSOCIATE PROFESSOR CLINICAL CHEMISTRY

Cleveland State University, in association with the Cleveland Clinic Foundation, invites applications for a tenure-track FACULTY position at the level of Associate Professor in Clinical Chemistry for fall 1997. The individual will collaborate with the existing Clinical Chemistry program in terms of research, teaching, and program development. We are seeking a dynamic individual who will help build a strong research base within the Department of Chemistry, which may include collaborative research with the Cleveland Clinic Foundation. The applicant must have a Ph.D. in clinical chemistry, biochemistry, chemistry, molecular biology, or related field. The successful applicant will develop a nationally competitive research program in a biomedically related area. Additionally, the successful applicant will teach undergraduate chemistry courses and graduate courses in the Clinical Chemistry program. Preference will be given to individuals with postdoctoral experience and research and teaching areas that complement departmental expertise. The Department of Chemistry offers Bachelor’s, Master’s, and Ph.D. degree programs, and is approved by the Cleveland Clinic. The Clinical Chemistry program at Cleveland State is one of only two ACC-accredited doctoral programs in the United States. Review of applications will begin January 31, 1997 and continue until the position is filled.

The University of Southwestern Louisiana College of Medicine, Alexandria, Louisiana 71301 invites applications for a tenure-track ASSOCIATE/ASSOCIATE PROFESSOR position in molecular biology. Applicants with a Ph.D. in molecular biology and significant postdoctoral experience are encouraged to submit a curriculum vitae, names and addresses of three references, and a brief description of research interests by March 1, 1997 to: Dr. Mark E. Gross, Chair, Department of Biological Sciences, University of Southwestern Louisiana College of Medicine, 71301.

The Department of Biology of Cleveland State University invites applications for TWO POSITIONS, one in each of the following research areas: 1) Cell and Molecular Biology, and 2) Molecular Genetics and Developmental Biology. We seek to fill one position at the level of ASSOCIATE or FULL Professor and another at the level of Assistant Professor. All applicants must hold a Ph.D. in the appropriate field. Competitive candidates at the Associate/Full Professor level must have external funding and will be asked to serve as director of the graduate program. Applicants at the Assistant Professor level must have at least three years of postdoctoral experience and demonstrate the potential for excellence in teaching and research. The successful candidate at the Assistant level will be expected to establish an independent, funded research program. Preference will be given to candidates with current or pending research funding.

Successful candidates in both positions are expected to teach and develop graduate and undergraduate courses in their areas of expertise. Cleveland State University offers B.S. and M.S. degrees in biology, and a Ph.D. in regulatory biology through a joint program with the Research Institute of the Cleveland Clinic Foundation. Candidates will submit a curriculum vitae, a description of research plans and teaching interests, and three letters of recommendation by February 15, 1997 to: Dr. Donald Lindmark, Chair, Faculty Search Committee, Department of Biology, Cleveland State University, East 24th and Euclid Avenue, Cleveland, OH 44115. For additional information, consult the Department’s World Wide Web page: http://www.asci.edu/linco/linco.htm. Contact Dr. Donald Lindmark. Telephone: 216-687-2398; Email: lindmark@biology.csuohio.edu. Cleveland State University is an Affirmative Action/Equal Opportunity Employer committed to nondiscrimination. Minorities/Females/Disabled/Veterans encouraged.

THE UNIVERSITY OF CHICAGO

The University of Chicago Department of Radiation and Cellular Oncology has full-time FACULTY positions available for scientists with interests in radiation oncologists with basic and clinical research interests(s). Areas of clinical investigation include: concomitant radiotherapy, monoclonal antibody therapy, biological response modifiers, neutron radiotherapy, diagnostic and therapeutic use of radionuclides, and cancer biology and/or investigation of organ-specific disease sites. Research laboratory interests include molecular aspects of radiosensitivity, cell cycle regulation, signal transduction, and correlation of basic laboratory parameters with clinical outcomes. New investigators on gene therapy will be initiated. The Department offers excellent start-up funds and continuing support as well as protected research time for qualified candidates. Applicants should have a Ph.D. or equivalent professional degree, and either an M.D. or a distinguished background in molecular biology, biochemistry, or related fields. Inquiries and applications are encouraged; complete applications should be submitted before March 15, 1997 to: Dr. C. Michael Weichselbaum, Assistant Chair for Research, Department of Radiation and Cellular Oncology, 5841 South Maryland Avenue, MC C0085, Chicago IL 60637

The University of Chicago is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

ANIMAL PHYSIOLOGIST

The Biology Department, Indiana University (I.U.) Southeast, seeks an animal physiologist with strong background in vertebrate physiology for a tenure-track ASSISTANT PROFESSORSHIP to begin fall of 1997. Candidate must have a Ph.D., strong commitment to teaching undergraduate biology, and ability to develop an active research program. The successful candidate will teach an upper-level course in comparative physiology and introductory sections in human physiolog. A strong background in a related area and a substantial research program are essential. Send curriculum vitae, copy of graduate and undergraduate transcripts, and three letters of recommendation by January 15, 1997 to: Dr. S. Honeycutt, Chair, Department of Biological Sciences, Indiana University Southeast, New Albany, IN 47150.

The University of Chicago is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

EVOlUTIONARY MOLECULAR GENETICIST

The Biology Department, Indiana University (I.U.) Southeast, seeks an evolutionary molecular geneticist with strong background and experience in molecular biology, genetics, cell biology, and evolution. The successful candidate will teach courses in modern biology, cellular biology, and genetics. Send curriculum vitae, copy of graduate and undergraduate transcripts, three letters of recommendation, a brief statement of research interests, and a research statement of no more than five pages. Inquiries should be sent to Dr. S. Honeycutt, Chair, Department of Biological Sciences, Indiana University Southeast, New Albany, IN 47150.
RESEARCH SCIENTISTS

Gillette Research Institute, a division of The Gillette Company, is seeking qualified candidates to join our multi-disciplinary research team:

MD or MD/Ph.D. with 5 years of research experience in clinical dermatology. Previous experience as a Principal Investigator and knowledge of regulatory issues required.

Biological & Medical Physicist/Engineer - Ph.D. with broad fundamental & experimental background. Postdoctoral and/or research experience preferred.

Polymer/Formulation Chemist - Ph.D. with fundamental understanding of rheology and structure/function relationships. Postdoctoral/formulation experience preferred.

Organic Chemist - Ph.D. medicinal or bioorganic chemist with experience in synthetic & analytical techniques, molecular modeling concepts and biochemistry. Postdoctoral experience preferred.

Gillette Research Institute is located outside Washington, D.C. in a region that includes a wide variety of government, private and academic scientific laboratories. We offer excellent compensation and benefits package. Qualified candidates should forward a resume to:

Gillette Research Institute
Human Resources Department
401 Professional Drive
Gaithersburg, MD 20879

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ASSISTANT/ASSOCIATE MEMBER

The Molecular Pharmacology and Therapeutics Program at Memorial Sloan-Kettering Cancer Center invites applicants for a position at the Assistant or Associate Member level. The candidate should have a Ph.D. and/or M.D. degree and significant postdoctoral experience. We seek independent investigators with a background of scientific accomplishment who will use forefront molecular and biochemical techniques for the development of new cancer therapies. Start-up support will be provided. Candidates should send their curriculum vitae along with a description of career goals, research objectives, and names of three references by January 1, 1997 to:

Joseph R. Bertino, M.D.
Program Chairman
Molecular Pharmacology and Therapeutics Program
Memorial Sloan-Kettering Cancer Center, Box 78
1275 York Avenue
New York, NY 10021

Memorial Sloan-Kettering Cancer Center is an affirmative action, equal opportunity employer.

CANCER PREVENTION RESEARCHER

The H. Lee Moffitt Cancer & Research Institute and the College of Medicine at the University of South Florida are seeking applicants for a tenure-earning Associate or Full Professor faculty position for a laboratory based independent researcher with expertise in translational research. This position will be in the Cancer Prevention Program.

The successful candidate will be a doctoral level (MD or Ph.D.) investigator who will have responsibility for conducting laboratory research in the area of molecular and immunohistochemical markers for the early detection of preneoplastic conditions and early cancer. This research should lead to the design of interventions to target these markers with chemopreventive agents. The successful candidate will also have an established track record of obtaining external funding and five years academic or research experience at, or comparable to, the Assistant Professor level.

H. Lee Moffitt Cancer Center & Research Institute, adjacent to the Health Sciences Center on the University of South Florida's Tampa Campus includes a modern, 162-bed inpatient and ambulatory facility for children and adults, a 25-bed bone marrow transplantation program, a recently established high volume screening program including a fixed site and mobile unit and a new basic research facility.

Send inquiries and current curriculum vitae to Gail Shaw, M.D., Program Leader, Office of Faculty Recruitment, 12902 Magnolia Drive, Tampa, Florida 33612. Applicants must be postmarked by deadline date of January 23, 1997.

H. LEE MOFFITT CANCER CENTER & RESEARCH INSTITUTE
University of South Florida College of Medicine

Moffitt Cancer Center is an Equal Opportunity Employer.
The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Employer. For disability accommodations please contact Jody Swanson at (813) 975-7894 a minimum of five working days in advance.
FACULTY POSITION
MOLECULAR BIOLOGY

The Department of Cell and Molecular Biology is re-opening a search to fill a tenure-track position beginning July 1, 1997, at the level of ASSISTANT PROFESSOR. Applicants must have a Ph.D. at least two years postdoctoral experience, and a strong publication record. The successful applicant will be expected to establish a vigorous, independent research program and to participate in graduate and undergraduate teaching. The Department seeks applications from individuals whose research addresses basic questions at a molecular level and can interface with the interests of existing faculty. Specific areas include developmental biology, neurobiology, and environmental biology. Opportunities also exist for research collaborations and participation in the Molecular and Cellular Biology Interdisciplinary Graduate Program, the Neurosciences Interdisciplinary Graduate Program, and the Environmental Science Environmental Education Program. Applicants for the position should send curriculum vitae, a brief statement of research plans, and three letters of recommendation to:

Dr. Ken Muneoka, Chair
Department of Cell and Molecular Biology
Tulane University
New Orleans, LA 70118
Tulane University is an Equal Opportunity/Affirmative Action Employer and encourages minority and female applicants to apply.

PLANT EVOLUTIONARY BIOLOGIST
Department of Organismic and Evolutionary Biology
Harvard University
The Department seeks a comparative biologist whose work addresses the organismic and evolutionary biology of plants. We are interested in an individual whose research emphasizes the evolution of development, genetics, and ecology, and who has demonstrated interest and ability in teaching at the undergraduate and graduate levels. The appointment will be to a tenured PROFESSORSHIP. Applicants should submit by January 5, 1997 a curriculum vitae, a statement of research and teaching interests, and the names and addresses of three references to:

Professor Michael J. Donoghue
Chairman, Plant Systematics Search Committee
Department of Organismic and Evolutionary Biology
Harvard University
Cambridge, MA 02138
Harvard University is an Affirmative Action/Equal Opportunity Employer; we encourage applications from women and minority individuals.

ASSISTANT/ASSOCIATE PROFESSOR
Reproductive Biology, Johns Hopkins University
Applications are invited for a TENURE-TRACK position in reproductive biology. We seek investigators who use modern biochemical, cellular, and molecular approaches to study basic mammalian reproductive processes including but not limited to development, differentiation, signal transduction, endocrinology, and genetics. Applicants must maintain independent, well-funded research programs, and advise and teach graduate students and fellows. Application deadline: February 1, 1997. Starting date: negotiable. Send curriculum vitae, description of current/future research, and letters from four references to: Dr. Terry R. Brown, Division of Reproductive Biology, Johns Hopkins University School of Hygiene and Public Health, 615 North Wolfe Street, Baltimore, MD 21205.

The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer. Applications are encouraged from women and minority groups.

MOLECULAR DEVELOPMENTAL BIOLOGIST
TENURE-TRACK position in the Department of Biology at Whitman College beginning in August 1997. Ph.D. required. Teach Molecular Biology and Developmental Biology (both with labs) plus one other course and be compatible with the biology curriculum, and direct student research. Whitman has a strong commitment to excellence in undergraduate teaching, research, and student advising. Salary includes a competitive package, start-up funds, a generous sabbatical leave policy, and opportunities for recommendation, transcripts, and statement of teaching and research interests to: Professor Earl Fleck, Biology Department, Whitman College, Walla Walla, WA 99362. Telephone: 509-527-5215 or 509-527-5225; FAX: 509-527-5904; Email: fleck@whitman.edu. Closing date: January 10, 1997. Equal Opportunity Employer.

FACULTY POSITIONS
JOHNS HOPKINS UNIVERSITY

The Department of Earth and Planetary Sciences invites applications for one to three tenure-track faculty positions at the ASSISTANT PROFESSOR level beginning July 1, 1997, or later. We seek applicants in five areas:

1) Geophysics, including but not limited to seismology, geochemistry, mineral physics, and planetary physics. The successful applicant is expected to have a strong research program in seismology that would make a major contribution to the geophysical and geodynamic research programs.

2) Climatic dynamics, including climate-related geophysics; physical oceanography; and/or biogeochemistry. The successful applicant is expected to have a strong research program in climatic studies that would make a major contribution to the Earth and Planetary Sciences research programs.

3) Geochemical studies, including the integration of organic chemistry, biochemistry, and/or microbiology with geologic processes.

4) Atmospheric chemistry associated with climate change.

5) Applications of mineralogy, including the tectonic evolution of basins, and/or the integration of tectonics with quantitative geomorphology or hydrogeology.

Applicants should have rigorous training in the quantitative aspects of their discipline and broad interests that would complement existing Departmental programs: solid Earth geophysics, geophysical fluid dynamics, inorganic geochemistry, hydrogeology, palaeoceanography, environmental geology, planetary atmospheres, physical oceanography, mineralogy, and meteorology. Candidates whose research integrates combinations of field, laboratory, and theoretical approaches will be particularly encouraged.

We expect successful applicants to develop a vigorous, independent research program and to participate fully in undergraduate and graduate teaching. A Ph.D. is required; we do not require teaching assistantships. All applications should include 3-5 reprints or preprints, and a statement of research interests, plus the names, mail and email addresses, and telephone numbers of at least three persons from whom the Department may request letters of recommendation. Applications from Dr. John M. Ferry, Chair, The Morton K. Blaustein Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, MD 21218. The search will close March 1, 1997, but later applications may be considered. Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer. Women and members of minority groups are encouraged to apply.

Fairmont State College invites applications for two anticipated tenure-track positions in biology, available August 1997, at the ASSISTANT PROFESSOR level. Candidates for the first position should be able to teach invertebrate zoology, general zoology, and aquaculture. Candidates for the second position should be able to teach ecology and physiology for all biology major electives. Applicants with interests in plant, animal and physiology and biochemistry for biology majors are particularly encouraged. Applicants should have a Ph.D. in Biology or related field, and experience in teaching and research. Applicants are expected to have a strong commitment to excellence in undergraduate teaching, research, and student advising. Salary is negotiable, with a competitive fringe benefit package for full-time faculty. Send a letter of application, including a current curriculum vitae, statements of research and teaching interests, and the names and addresses of three references to: Dr. Albert Magro, Chair, Search Committee for the position is to begin August 1997. Applications are encouraged from women and minority individuals.

ASSISTANT PROFESSOR
Non-Tenure Track

The Department of Neurology at the University of Minnesota is seeking an M.D. or Ph.D. neuroscientist with postdoctoral training in functional neuroimaging to join an international NIH funded research consortium. The successful candidate will participate in the design and performance of PET and fMRI studies and the analysis of neuroimaging data. Prior experience with multivariate statistical analysis and/or functional neuroimaging is a plus, but not required. He or she will be expected to collaborate with researchers in the U.S., Japan, and Denmark and to carry out independent research in neuroscience related to the stated goals of the Human Brain Project. Applications must be received by February 15, 1997. The University of Minnesota is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION
DEPARTMENT OF PHYSIOLOGY

The Department of Physiology at the Louisiana State University Medical Center (LSMC) in Shreveport invites applications for a TENURE-TRACK faculty appointment in the Division of Pharmacology. Although applications will be considered at any level, candidates at the level of ASSOCIATE or FULL Professor will be given priority. Applicants at the ASSOCIATE Professor level must have an established record of broader program research experience. Applicants at the FULL Professor level must have a record of highly innovative research and outstanding academic achievements. The successful candidate will have a Ph.D. degree or equivalent in Pharmacology. The candidate will receive a competitive package of salary and benefits. Applications will be reviewed upon receipt. Contact: Dr. John Henry Smith, Chair, Search Committee. Louisiana State University Medical Center, 1501 Kings Highway, Shreveport, LA 71130. The closing date for applications is January 31, 1997 or until the position is filled. LSU/MC is an Equal Opportunity/Affirmative Action Employer and complies with the guidelines of the Americans With Disabilities Act.
The Scripps Research Institute
Ph.D. Programs in Chemistry and Macromolecular & Cellular Structure & Chemistry

The Scripps Research Institute will admit highly qualified students in the fall of 1997 to two Ph.D. programs: one integrating cell and molecular biology with structure and chemistry, and the other in chemistry.

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

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

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

Individuals interested in applying to either program should contact the Office of Graduate Studies for a brochure and application: The Scripps Research Institute, Office of Graduate Studies, IMM 21, 10550 North Torrey Pines Road, La Jolla, CA 92037. Tel: (619) 784-8469. Fax: (619) 784-2802. Internet: http://www.scripps.edu. The graduate programs are accredited by the Western Association of Schools and Colleges. TSRI is an equal opportunity institution.

Improving Bodies

Chiron Corporation’s mission is to create products that transform the practice of medicine. Since 1981, our Emeryville-based company has been at the forefront of biotechnology, using genetic engineering and other tools to develop products for the diagnosis, prevention and treatment of human disease. Through the collaborative efforts of nearly 7,000 employees worldwide, we have taken strides toward fulfilling our mission; accomplishments including blood-screening products to prevent the transmission of disease, cancer treatments, the first effective treatment for multiple sclerosis, novel adult and pediatric vaccines for viral and bacterial infectious diseases, and products to help physicians work with patients with vision disorders. Chiron also has programs focused on cardiovascular diseases. We have the following opportunities:

Associate Director, Cell Culture Development
You will direct the development of cell culture processes for producing recombinant proteins for preclinical, clinical and commercial applications. You will work in collaboration with development scientists in the areas of expression, purification, formulation and analysis and will be responsible for transferring the processes to the manufacturing site. You will also participate in project strategy teams dealing with Development, Manufacturing, QC, Pharmacology, Toxicology, Clinical, Regulatory and Marketing issues.

To qualify, you must have a Ph.D. in Biotechnology, Cell Biology, Microbiology or Biochemical Engineering with 6+ years of experience, or equivalent. You must also have expertise in mammalian cell culture processes; hands-on experience in cell line selection, media development, bioreactor operation, and recovery operations; and experience in collaborating with other development groups. Experience in designing and installing/commissioning of bioreactor and recovery equipment, and transferring technology to the manufacturing site is preferred. Experience in regulatory filings with the FDA is highly desirable. Supervisory experience is a must. Job Code 2109.

Specialist, Cell Culture Development
You will play an important role in the development of cell culture processes for producing recombinant proteins at high titer that can be recovered efficiently for subsequent purification. Specifically, you will carry out the cell culture experiments at the scale of spinners and small bioreactors and work out processes such as filtration to recover the product. You will also participate in scaling up the processes and transferring them to the manufacturing site.

To qualify, you must have a BS/MS in Biochemical Engineering, Biotechnology, or Microbiology and 5+ years’ experience, or equivalent. You must also have expertise in mammalian cell culture processes; hands-on experience in cell line selection, media development, bioreactor operation, and recovery operations. Experience with technology transfer to the site of manufacture and analytical techniques such as EUSA, HPLC, SDS-PAGE is preferred. Job Code 2110.

Scientist, Research
You will lead the effort to clone and express various classes of extracellular and intracellular receptors. You will characterize and design selective biochemical and cellular assays for the cloned molecules and participate in research to study structure/function relationships.

To qualify, you must have a Ph.D. in Cellular/Molecular Biology or a related field with 3+ years of post doctoral experience in Molecular Biology or Biochemistry. Supervisory experience, a team player attitude, and good oral and written communication skills are essential. Candidates who are technically oriented, creative, organized, and have excellent analytical skills are encouraged to apply. Job Code 2158.

We offer a competitive compensation and benefits package. If you have the dedication, spirit and flexibility to rise to our many challenges, send your resume, indicating Job Code of interest to: Chiron Corporation, Human Resources, 4560 Horton Street, Emeryville, CA 94608. We are an equal opportunity employer.
APPLICATIONS ARE INVITED FOR A TENURE-TRACK POSITION IN BIOCHEMISTRY, University of Alabama at Birmingham.

The Department of Biochemistry is seeking to fill a position in Biochemistry starting September 1997. Preference will be given to those applicants with postdoctoral experience, an excellent record of research productivity, and teaching excellence. The successful candidate will be involved in an ongoing independent research program in biochemistry. The research area is open. However, we seek candidates who integrate theoretical research with field-based empirical work. The candidate will be expected to have a broad view of biochemistry, participation in the introductory biochemistry series, and a course in their area of expertise.

The U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Corn and Soybean Research Unit, Wooster, Ohio, has a permanent full-time position as RESEARCH ASSOCIATE MICROBIOLOGY. The incumbent will have primary responsibility to develop a research program studying the molecular interactions between plants and viruses that lead to resistance or susceptibility. This will include the development of cooperative research with plant pathologists, breeders, and geneticists to identify and characterize genes controlling host plant response to virus diseases. The position requires Ph.D. in Genetics, Plant Pathology, Molecular Biology, or related fields. Applicants should send a letter of application and three letters of recommendation to: Dr. Brent Ybarrondo, Chair, Department of Biology, Adams State College, Alamosa, CO 81120. Telephone: 719-587-7256. For a copy of the complete vacancy announcement, review of completed applications will begin February 15, 1997 and continue until a suitable candidate is hired. Affirmative Action/Equal Opportunity Employer.

The Division of Pulmonary and Critical Care Medicine, University of Miami School of Medicine at Mount Sinai Medical Center, is seeking a CELLULAR IMMUNOLOGIST with an interest in the role of T-lymphocytes in the development and treatment of allergic airway diseases. Interested candidates should send an application including curriculum vitae, bibliography, a brief statement indicating research interests, and three letters of reference to: Dr. William M. Abraham, Director of Research, Mount Sinai Medical Center, 4300 Alton Road, Miami Beach, FL 33140. Equality Opportunity Employer. We support a drug-free workplace.

The Baltimore VAMC, Research Service Room SB-183, 10 North Greene Street, Baltimore, MD 21201. The Baltimore VAMC is an Equal Opportunity Employer.

Applications are invited for a POSTDOCTORAL POSITION in the Departments of Physics and Biochemistry at Case Western Reserve University, Cleveland, OH 44106-9790. FAX: 216-368-1093; Email: chuckh@hydrope.phol.cwru.edu; Lab home page: http://pout.cwru.edu:8080/~olga/. Case Western Reserve University is an Equal Opportunity/Affirmative Action Employer.

A RESEARCH ASSOCIATE position is available to study diverse aspects of DNA damage response in mammalian cells. This position will involve the development of critical cellular proteins using genotoxic strategies. Ph.D. with relevant experience in cellular and molecular biology and a strong desire to develop as an independent investigator are required. A full description of responsibilities and qualifications is available. Applications should be sent to: Altarf A. Wani, Ph.D., Department of Radiology, 103 Wiseam, Ohio State University, Columbus, OH 43210. Email: wani.2@osu.edu. Ohio State University is an Equal Opportunity Employer.
Ontogeny, Inc.

Ontogeny, Inc., a leader in the pioneering field of developmental biology, is looking for highly motivated individuals to join a team of researchers in a stimulating and challenging environment. This rapidly growing company makes use of molecular, cellular, and tissue biology to identify signals that induce cell differentiation and tissue development. We are looking to fill the following positions:

**Diabetes Research Scientist** to join established group in the study of pancreatic β cell development. The successful candidate must have a Ph.D. and a minimum of two years, post-doctoral experience in molecular or cellular biology, preferably focused on pancreatic development. Working knowledge of the biology of the pancreas, pancreatic cell line development, and/or animal models of diabetes is preferred. **Job Code: DRS/S**

**Bone/Cartilage Research Scientist** to join and/or lead an established group in the study of bone and cartilage development. The successful candidate will have a Ph.D. and a minimum of two years of post-doctoral experience in molecular or cellular biology. Working knowledge of primary cultures of cartilage/bone cells, animal models of bone repair and formation, bone histology, and/or the general developmental biology of bone is required. **Job Code: BCRS/S**

**Developmental Biologist/Histotechnologist** to join an existing team of scientists applying developmental biology expertise to drug discovery. Several positions are available to candidates with a Ph.D. degree, or M.S./B.S. with at least five years of relevant experience. The successful candidates will have demonstrated scientific excellence and leadership as well as proficiency in immunohistochemical techniques including enzymatic stains, fluorescent stains, and double and triple-labeling. Extensive experience with in situ hybridization is required. Experience with analyzing expression patterns in both embryonic and adult tissue, as well as computer-aided image analysis and manipulation, is highly desirable. **Job Code: DBH/S**

**Hematopoiesis/Research Scientist** to play a leading role in the study of hematopoietic cell development. The successful candidate must have a Ph.D. and a minimum of two years of post-doctoral experience in molecular or cellular biology. Working knowledge of the hematopoietic system, including assays of hematopoietic growth factors and precursor cell development in animal models and humans, is required. Familiarity with methylcellulose and bone marrow colony assays is highly desirable. **Job Code: HRS/S**

**Hematopoiesis Technician** to function as a support person in the study of hematopoietic cell development. The successful candidate will have a B.S. or M.S. and have working knowledge of methylcellulose and bone marrow colony assays. Experience in bone marrow transplantation units is a plus. **Job Code: HT/S**

In return for your expertise, we offer a very competitive compensation package, including incentive stock plan, challenging projects, and a flexible team environment. Please respond indicating appropriate **Job Code**: Marlene A. Thayer, Director of Human Resources, 45 Moulton St., Cambridge, MA 02138-1118; Fax: 617/876-0866

**An Equal Opportunity Employer**

VISION RESEARCH
Tenure-Track Faculty Position

Applications and nominations are invited for a tenure-track faculty appointment at the Asst./Assoc. Professor level in the Eye Research Institute of Oakland University. The ideal candidate will have at least three years of post-Ph.D. experience in vision research and possess external grant funding. The successful applicant must be able to establish a vigorous, independent program in visual science. The level of appointment will be commensurate with the applicant's experience; salary is negotiable, and there are excellent fringe benefits.

The faculty of the Eye Research Institute engages in full-time research on the biochemistry, physiology, and molecular biology of the cornea, lens, retina, and intracellular fluids with good opportunities for collaboration. The faculty also conducts clinical research with the affiliated Department of Ophthalmology of William Beaumont Hospital. The Institute has an NIH Core facility in electron microscopy and tissue culture, and in 1997 a new animal care facility will be operational.

The Eye Research Institute is an independent academic unit of Oakland University, a state supported institution located on a 1400 acre campus, 25 miles north of Detroit, with an enrollment of 13,600 students in baccalaureate and graduate programs.

Applicants should send a curriculum vitae, 3 to 5 reprints, and the names of three references by March 1, 1997, to Frank Giblin, Ph.D., Chair, Search Committee, Eye Research Institute, Oakland University, Rochester, Michigan 48309-4401.

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

VACCINE PROCESS DEVELOPMENT

Merck Research Laboratories, a world leader in biological and pharmaceutical research, has positions open for outstanding scientists and engineers in the Vaccine Bioprocess R&D department. The level of appointment will be commensurate with the candidate's experience and credentials. The positions involve the development of animal cell culture based manufacturing processes for Merck's viral vaccines, viral vectors for vaccines and gene therapy, and recombinant therapeutic proteins. The positions focus on the applied biological aspects of process development such as strain construction and selection, eukaryotic cell physiology, protein expression and modification, cell nutrition and culture medium development, virus replication and virus-host interaction. Functions include manufacturing process development, process and product biochemistry analysis, generation of clinical supplies, and technology transfer to manufacturing. The positions require not only a strong scientific background but also the ability to work in teams, and at the senior level, to interact with clinical, regulatory, manufacturing and marketing personnel.

A B.S., M.S., or Ph.D. in virology, cell biology, biochemical engineering, or equivalent is required, with previous relevant experience desired as well as excellent communication skills.

Excellent salary and benefit programs accompany this position at our modern research facilities located 25 miles northwest of Philadelphia. Please send curriculum vitae with cover letter and the names of three references to Ad# B-73, MRL Human Resources WP42-2, Merck Research Laboratories, P.O. Box 4, West Point, PA 19486. Only candidates considered for interviews will receive responses. EEO/AEVH Employer.
A&P Pharmaceutical

A&P, a rapidly expanding biotech company involved in drug design and development, seeks self-motivated, highly trained PHYSICAL CHEMISTS and FORMULATION CHEMISTS for its R&D section. Successful candidates possess a Ph.D. degree, along with a record of publications in their respective fields. Familiarity, including hands-on experience, with instruments like IR, UV, GC/MS, NMR, and HPLC is required. A&P offers a competitive salary with cover letter by December 13, 1996 to:

A&P Human Resources
P.O. Box 130517
St. Paul, MN 55113

AGRICULTURAL RESEARCH ASSISTANT

Axein Corporation is currently looking for an experienced plant agriculturalist with experience in laboratory/greenhouse research. The candidate will be expected to coordinate a product development program under the direction of senior Axein scientists and to perform independent research designed to answer specific research questions. A Bachelor’s degree and experience in a Master’s degree in plant physiology, horticulture, or other plant-related discipline is required. Candidates should have broad experience in design, implementation, and data analysis of laboratory/greenhouse experiments. Experience in plants in physiology, computer science and familiarity with programs such as WordPerfect, Freelance Graphics, Excel, and SAS for experimental design and statistical analysis is essential. Axein Corporation is a high growth, fast company dedicated to proprietary products to enhance crop productivity. Interested candidates should send their resume to the Axein Corporation, 3900 Collins Road, Suite 1015, Lansing, IN 49010. Attn: Personnel Department.

POSTDOCTORAL POSITION available immediately to study the effects of superantigens on viral immunity and autoimmunity. Applicants should have a Ph.D. or M.D./Ph.D. experience in cellular immunology and/or virology using murine experimental models is desirable. Send curriculum vitae and the names, addresses, and telephone numbers of three references to: Dr. Marcia A. Blackman, Department of Immunology, St. Jude Children’s Research Hospital, 332 North Lauderdale, Memphis, TN 38105 by February 1, 1997. Affirmative Action/Equal Opportunity Employer. We provide a smoke-free environment.

POSTDOCTORAL POSITION to study the molecular genetics of embryonic stem cell proliferation. Experience in animal cell culture, transfections, and the use of retrovirus sequences and immunoglobulin, goblin, and wv gene families are being used as model systems both in vivo and in vitro to define mammalian origins of replication and to study their cycl cycle regulation. The role of the ICR in the regulation of replication is also being investigated. Apply by mail and a fax copy to: Dr. C. Schildkraut, Albert Einstein College of Medicine, Rennick Campus, 1300 Morris Park Avenue, New York, NY 10461. Fax: 718-430-8574. Equal Opportunity Employer.

MICROBIOLOGY/IMMUNOLOGY

Yale University School of Medicine

TWO POSTDOCTORAL positions are available to study (1) the mole (ickle-specific CD4+ T lymphocytes led by group A streptococci and 2) the role of bacteria in triggering autoimmune neuropsychiatric disorders. Experience in molecular biology and/or immunology is desired. Please send curriculum vitae and names of three references to: Dr. Debra Bessen, Yale University School of Medicine, 333 Cedar Street, Box 208034, LEPH, New Haven, CT 06520. Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION

PHARMACOLOGY

A POSTDOCTORAL POSITION is available at Southern Illinois University School of Medicine in Pharmacology. Individuals interested in this position must have an M.D. or Ph.D. with training in experimental pathology, pharmacology, biochemistry, immunohistochemistry, autoradiography, both light and electron structural levels, and molecular biology. Preference will be given to individuals with experience using modern molecular approaches to examine neuroendocrine and endogenous control mechanisms of cerebral vascular tone in health and disease. The salary for this position is $24,000 per year. Interested individuals should send a curriculum vitae, summary of research experience (including names of key publications), and three letters of recommendation to: Dr. Tony J. F. Lee, Professor, Department of Pharmacology, Southern Illinois University School of Medicine, P.O. Box 19230, Springfield, IL 62794-1222. SIU is an Equal Opportunity/Affirmative Action Employer.

A&P, a rapidly expanding biotech company involved in drug design and development, seeks self-motivated, highly trained PHYSICAL CHEMISTS and FORMULATION CHEMISTS for its R&D section. Successful candidates possess a Ph.D. degree, along with a record of publications in their respective fields. Familiarity, including hands-on experience, with instruments like IR, UV, GC/MS, NMR, and HPLC is required. A&P offers a competitive salary with cover letter by December 13, 1996 to:

A&P Human Resources
P.O. Box 130517
St. Paul, MN 55113

AGRICULTURAL RESEARCH ASSISTANT

Axein Corporation is currently looking for an experienced plant agriculturalist with experience in laboratory/greenhouse research. The candidate will be expected to coordinate a product development program under the direction of senior Axein scientists and to perform independent research designed to answer specific research questions. A Bachelor’s degree and experience in a Master’s degree in plant physiology, horticulture, or other plant-related discipline is required. Candidates should have broad experience in design, implementation, and data analysis of laboratory/greenhouse experiments. Experience in plants in physiology, computer science and familiarity with programs such as WordPerfect, Freelance Graphics, Excel, and SAS for experimental design and statistical analysis is essential. Axein Corporation is a high growth, fast company dedicated to proprietary products to enhance crop productivity. Interested candidates should send their resume to the Axein Corporation, 3900 Collins Road, Suite 1015, Lansing, IN 49010. Attn: Personnel Department.

POSTDOCTORAL POSITION is available immediately for an ecologist with interests in infectious diseases/parasitology to study epidemiology of vector-borne pathogens. Projects include modeling intervention methods for controlling Lyme disease, prediction of geographic risk, animal detection using sensing/GIS applications, and studying vector/pathogen population response to environmental change. Must have strong background in evolutionary and ecosystems ecology. Send curriculum vitae and names of two references to: Durand Fish, Department of Epidemiology and Public Health, Yale School of Medicine, 60 College Street, P.O. Box 208034, New Haven, CT 06520-8034. FAX: 203-785-2481.

POSTDOCTORAL POSITIONS available in a research group involved in tissue engineering with emphasis on orthopaedic applications. Cell Biologist: must have a Ph.D. in a related field with experience in culturing mesenchymal cells. Ph.D. in tissue engineering: must have a Ph.D. in a related field with a background in drug delivery and/or pharmacokinetics. Applicants must possess excellent writing/verbal skills. Send curriculum vitae to: Prof. Cato Laurencin, Allegheny Hospital, 3300 Henry Avenue, Philadelphia, PA 19129.

POSTDOCTORAL POSITION available immediately in a laboratory studying early primate embryonic development, trophoblast differentiation, and placental hormone gene expression. Ph.D. in cellular/molecular reproductive biology or experience in hormone gene expression and cloning (particularly DNA-protein interactions or genome transcription) desired. Submit curriculum vitae and names, addresses, and telephone numbers of three references to: Dr. Thaddeus G. Farb, Chairman, Department of Obstetrics, Gynecology and Reproductive Physiology, University of California, 1225 Capitol Court, Madison, WI 53715-1299. Email: golos@primate. wisc.edu. FAX: 608-263-3524. Affirmative Action/Equal Opportunity Employer.

HARVARD/POSTDOCTORAL POSITIONS are available to study molecular mechanisms of arteriosclerosis and hypertension with special emphasis on molecular cloning, transcriptional regulation, and biological function of gene expression. Candidates will be expected to work with both these classes of vascular smooth muscle cells (SmlIM, APEG-1, INOS, and a novel gene E2A BP). Experience with molecular biology, gene targeting, or protein chemistry is required. Please send curriculum vitae and three letters of recommendation to: M. E. Lee, M.D., Ph.D., Associate Professor, Cardiovascular Biology Laboratory, Building 2, Room 129B, Harvard School of Public Health, 665 Huntington Avenue, Boston, MA 02115.

POSTDOCTORAL AND RESEARCH FELLOWSHIP

Chemical Physics and Physics Experimentalists and Theorists

FIVE POSITIONS for exceptionally talented scientists in the following areas: quantum control of chemical reactions with tailored ultrashort light pulses, ultrashort x-ray diffraction, development of new methods for the simulation of biological processes imaged with light pulses, and high intensity light driven physics, including x-ray lasers, high harmonics, and laser driven particle acceleration. For more information and the full positions and group see our Web site: http://www-wilson.ucsd.edu.

POSTDOCTORAL CLINICAL RESEARCH FELLOWSHIPS

Harvard Medical School, Consolidated Department of Psychiatry: Two-year, NIMH-funded, postdoctoral fellowships involving independent research under supervision of experienced clinical researchers in biological and social/developmental psychology. Interested applicants are invited to contact the postdoctoral student in the appropriate area. Further information is available online at: http://www.mc.harvard.edu/postdoc.html.

POSTDOCTORAL机会

BOSTON UNIVERSITY

SCHOOL OF MEDICINE

Department of Pharmacology

Individuals sought for TWO POSTDOCTORAL positions in the Laboratory of Molecular Neurobiology. Cell biological, molecular biological and electrophysiological techniques are combined to study the mechanisms of receptor-induced signal transduction and ischemia-induced neurodegeneration. Specific areas of research include: 1) Identification of the neurotransactive steroid modulatory domains on amino acid receptors; 2) Identification of the role of steroids in neurodegenerative diseases; and 3) Identification and developmental regulation of transmembrane receptors that control specific gene expression. Send curriculum vitae and list of references to: Dr. David H. Farb, Chairman, Department of Pharmacology, Boston University School of Medicine, 80 East Concord Street, Boston, MA 02118-2394.

Structural Studies of CD14 by NMR. A POSTDOCTORAL POSITION is open to determine the solution structure of the lipopolysaccharide binding domain of the lipopolysaccharide receptor CD14 by NMR. For background consult Ann. Rev. Immunol., 13:437, 1995 and J. Biol. Chem., 270:361, 1995. This position will allow work in protein chemistry to generate material for study as well as work in NMR for structural determination. The person chosen for this position will interact primarily with Dr. Peter G. Stuoias, Dr. Ken Glass, and with Departments of CD14, and Dr. Dyson and Dr. Wright regarding NMR. Reply with curriculum vitae and list of references to: Peter S. Tobias, The Scripps Research Institute, IMM-12, Department of Immunology, 10505 North Torrey Pines Road, La Jolla, CA 92037. Email: tobias@scripps.edu.

POSTDOCTORAL OPPORTUNITIES

PRINCETON UNIVERSITY

Applications are invited for postdoctoral researchers to address problems of scaling in ecological systems. Individuals with experience in the study of growth and development in both these areas are encouraged to work as part of a group. Please send curriculum vitae to: Department Manager, Department of Ecology and Evolutionary Biology, Princeton University, Princeton, NJ 08544. An Equal Opportunity/Affirmative Action Employer.

1794

SCIENCE • VOL. 274 • 6 DECEMBER 1996
FACULTY POSITION

MOLECULAR BIOLOGIST OF MUSCULOSKELETAL TISSUES

The Department of Orthopaedics and the Department of Microbiology and Molecular Genetics at UMDNJ-New Jersey Medical School invite applications for a tenure-track faculty position. Preference will be given to applicants with research programs in cell and molecular biology relating to musculoskeletal tissue.

The successful candidate will be expected to establish an independent research laboratory within the Department of Orthopaedics in close collaboration with its established Biomechanics/Biomaterials Unit and the Department of Microbiology and Molecular Genetics. Appointment is expected at the level of Assistant Professor; however, distinguished applicants at senior levels will also be considered with support commensurate with the candidate’s qualifications and experience.

Applicants should submit a complete curriculum vitae including future research plans to:

Fred E. Behrens, M.D., Chairman, Department of Orthopaedics, New Jersey Medical School - UMDNJ, Doctors Office Center, 90 Bergen Street, Suite 5200, Newark, New Jersey 07103. The UMDNJ is an Affirmative Action/Equal Opportunity Employer, m/f/d/v, and a member of the University Health System of New Jersey.

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Of Our Scientists.

It takes world-class employees to make a world-class company.

At Abbott Laboratories, our professionals are researching, developing and marketing the health care products that will make a significant impact on generations to come. The Pharmaceutical Products Division of Abbott Laboratories, a worldwide leader in the development of healthcare products, has immediate openings in the Antimicrobial Research Division.

RESEARCH SCIENTIST

You will assist in the identification of viral targets used for therapeutic intervention. This involves developing and maintaining assays to evaluate chemical compounds for inhibitory activity, as well as providing reagents. Additionally, you will determine the mechanism of action for active compounds identified in the assays.

We require a BS in Molecular Biology, Cell Culture or Protein Purification and 5+ years of laboratory experience (or an MS and 2 years of laboratory experience). You must have significant experience with molecular biology techniques, including molecular cloning, DNA sequencing, PCR and mutagenesis. A knowledge of cell culture, basic virology, as well as solid experience in protein purification are desired.

With over 50,000 employees worldwide and more than $1 billion in annual sales, we’ve established ourselves as a respected global business and innovative leader in the changing health care industry. For consideration, please send your resume with salary history to: Abbott Laboratories, Job #96-LAM-2826, DS83, AP6A, 100 Abbott Park Rd., Abbott Park, IL 60064. Abbott is an Affirmative Action Employer/Smoke-Free Environment.

PROFESSOR, HARVARD MEDICAL SCHOOL

MASSACHUSETTS GENERAL HOSPITAL

The Cutaneous Biology Research Center of the Massachusetts General Hospital/Harvard Medical School invites applications and nominations for a position at the Professorial level. The primary faculty appointment of this candidate will be through the Department of Dermatology. The candidate will be an M.D. or Ph.D. and be sufficiently senior to have a record of accomplishments and extramural funding consistent with continued outstanding scientific research contributions. The area of scientific expertise should complement and extend the interests of the current faculty which investigates inductive signaling, transcriptional regulation, apoptosis, carcinogenesis, extracellular matrix, and appendage development, in vertebrate and invertebrate systems.

Interested individuals should send a curriculum vitae, reprints, brief statement of research interests and goals, plus the name, address and telephone number of three references to:

John A. Parish, M.D., Chairman
Department of Dermatology, Harvard Medical School
and Director, Cutaneous Biology Research Center
Massachusetts General Hospital
55 Fruit Street, Warren 501
Boston, MA 02114

The MGH/Harvard Cutaneous Biology Research Center is a committed Equal Opportunity/Affirmative Action Employer. Minorities, women, handicapped, and veterans are encouraged to apply.

NIH is an Equal Opportunity Employer.
POSTDOCTORAL POSITION
Camille and Henry Dreyfus Foundation Scholar/Fellow Program for Undergraduate Institutions/Environmental Chemistry
University of North Carolina at Wilmington

POSTDOCTORAL FELLOWSHIP to work with Dr. Jon D. Willey, University of North Carolina at Wilmington, to develop a method that reduces organic carbon (DOC) as a removal process for carbon from the atmosphere: Concentration, flux and forms of occurrence. The principal goal is for one year with a possible one-year renewal. A Ph.D. in marine, atmospheric, or environmental chemistry is required, along with an interest in pursuing a research and teaching career at a primarily undergraduate institution. Must submit curriculum vitae, thesis title and abstract, transcript of graduate work, teaching interests, and three letters of reference to: Dr. Jon D. Willey, Department of Chemistry, University of North Carolina, at Wilmington, 1800 South College Road, Wilmington, NC 28403-3297. Email: willey@uncw.edu; FAX: 910-962-3013; UNCW homepage: www.uncw.edu; Dreyfus Scholar/Fellow Program homepage: www.panix.com/~brand/sf.html. Review of applications will begin January 15, 1997; position could begin as early as March 15, 1997. The University of North Carolina at Wilmington is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

CARDIOLOGY BRANCH
POSTDOCTORAL POSITION(S) is available immediately in the Cardiology Branch of the NHLBI to study the role of reactive oxygen species in signal transduction. (See Science, 270:296–299, 1995; PNAS, 93:11484–11852, 1996; MCB, 12:7115–7121, 1996.) A strong background in molecular biology is essential. Experience with the construction and use of recombinant adenoviruses is preferred. Applicants must have a Ph.D. and/or M.D. and less than five years of postdoctoral experience. Submit curriculum vitae and letter of interest to: Toren Finkel, M.D., Ph.D., Cardiology Branch, 10 Center Drive, MSC 1650, Building 10, Room 7B-15, Bethesda, MD 20892-1650.

POSTDOCTORAL POSITION is available to study signal transduction by Brk (Brunton’s tyrosine kinase), the gene mutated in patients with Noonan’s syndrome. A strong background in cellular and molecular biology is desirable. Demonstrated skill in areas of mammalian cell culture and transfection, DNA cloning and sequencing, PCR technology, expression of recombinant proteins, and Western blotting will be helpful. Familiarity with the yeast two-hybrid system is a bonus. The position is available immediately. Submit curriculum vitae and names of three references to: Dr. Brian Jin, Department of Genetics, University of California, San Francisco, GHS, 69 East Street, S.E., Atlanta, GA 30303-3219, FAX: 404-616-7455; Email: bsaha@emory.edu. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION in mucosal immunology available January 1, 1997, to study antigen-presenting cell/T cell interactions and tolerance in mucosal inductive sites of the upper respiratory and the gastrointestinal tracts following immunization using novel vaccine delivery systems. Opportunity to work with a committed group of investigators studying human and animal infectious diseases. Applicants must have cellular immunology experience and ability to design experiments relevant to T cell stimulation and cytokine assays. Send a letter of application, curriculum vitae, and names of three references to: Dr. David W. Pascual, Veterinary Molecular Biology, Montana State University, Bozeman, MT 59717-3610. FAX: 406-994-4303; Email: www.vetmed.montana.edu/DMVR/DMVR@Montana. An Equal Opportunity Employer/Veteran’s Preference.

POSTDOCTORAL FELLOWSHIPS
SUNY at Stony Brook

POSTDOCTORAL POSITION
Ligand-Activated Ion Channels
A POSTDOCTORAL POSITION is available to study the structure/function relation and modulation of GABA-activated chloride channels using electrophysiology and molecular biology. Candidates should have a Ph.D. in a relevant discipline, with experience in patch clamp techniques. Send curriculum vitae and names of three references to: Dr. David S. Weiss, Neurobiology Research Center, College of Physicians and Surgeons of Columbia University, 630 West 168th Street, New York, NY 10032. Telephone: 212-639-8824; FAX: 212-945-8380; Email: murray@nrc.uab.edu; URL: www.murray.nrc.uab.edu; Phone: 205-975-5097. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
Washington University School of Medicine

POSTDOCTORAL POSITION in immunology available immediately on an NIH-funded project to study cell death (Science, 270:1189) and immune tolerance (Immunology, 57). Candidates must have a Ph.D. and/or M.D. within the last five years and a strong background in immunology and/or cell biology. Experience in molecular biology, protein chemistry, and receptor biology/biochemistry helpful. Research will involve the molecular basis of autoimmunity and related diseases. Send curriculum vitae and names of three references to: Thomas A. Ferguson, Ph.D., Washington University School of Medicine, 660 South Euclid Avenue, Box 8096, St. Louis, MO 63110. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION
Available to study host responses in an animal model of bacterial infection and sepsis. Primary interest is in the expression, regulation, and action of bovine porcine cytokines, with the long-term goal of developing novel immunomodulatory agents. Send curriculum vitae and names of three references to: David J. Travers, Postdoctoral Fellow Program, Department of Immunology, Lung Research, 3900 Reservoir Road, NW, Washington, DC 20007, U.S.A. Colorado University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITIONS
Molecular and Cell Biology of the Reproductive System

POSTDOCTORAL POSITIONS are available immediately to study the role of the basement membrane in epithelial (Sertoli cell) cell differentiation and 2) the regulation of telomerase in stem cells of the testis. Applicants should have a strong background in cell signaling techniques. Send curriculum vitae and names of three references to: Dr. Martin Dym, Department of Cell Biology, Georgetown University Medical Center, 3900 Reservoir Road, NW, Washington, DC 20007. U.S.A. Colorado University is an Affirmative Action/Equal Opportunity Employer.

CNS AND BRAIN TUMOR IMMUNOLOGY
POSTDOCTORAL training in immunology of the nervous system and its tumors. To apply, describe your relevant experience, the reason for your interest, and fellowships for which you are eligible (no form letters please). Start time flexible as late as Jan 1. Send curriculum vitae and names of three references to: Dr. L. Lampson, CNS Immunology and Tumor Biology Lab, Neurology/LMCB 116, Brigham and Women’s Hospital, Boston, MA 02115.

Applications requested for a POSTDOCTORAL position to study the localization and contribution of prosaposins (PSI) to mammalian DNA repair. Studies include: 1) regulation of p53 by phosphorylation, 2) function of the AT gene, and 3) cell cycle regulation. Recent Ph.D. and experience with PCR, mutagenesis, transfection, and cDNA cloning required. Send curriculum vitae and names of three references to: Dr. B. D. Price, JF209, JCR, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115. Email: bprice@dfci.harvard.edu. Equal Opportunity Employer.

VANDERBILT UNIVERSITY
POSTDOCTORAL POSITION
A funded position is available immediately to study mechanisms of protein transport through the yeast Golgi complex. Experience in cell and molecular biology techniques including cell fractionation, mammalian cell culture techniques, and cDNA cloning is essential. Send curriculum vitae and names of three references to: Dr. Todd R. Graham, Department of Molecular Biology, Vanderbilt University, Nashville, TN 37232-3585. Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.
ASST OR ASSOCIATE PROFESSOR
Microbiology and Immunology

CUNY Medical School/SBE is recruiting a new faculty member for the Dept of Microbiology and Immunology. CUNY Medical School/SBE is a seven-year integrated curriculum leading to a Bachelor of Science (B.S.) and Doctor of Medicine (M.D.) degrees. Founded in 1973 and located on the City College Campus, its primary mission is to: expand access to medical careers for under-represented minorities and economically disadvantaged inner-city youth and to encourage and prepare students to provide primary care in New York's underserved urban community. It has the highest proportion of under-represented minority medical students in New York State and one of the highest in the nation. The Dept offers access to state-of-the-art research facilities.

Responsibilities: To teach medical students, allied health professional students and graduate students and conduct research in the areas of molecular or cellular immunology, or infectious disease.

Candidates are expected to have a Ph.D. or M.D. degree, or equivalent, and to have completed appropriate post-doctoral training with a demonstrated record of significant research accomplishments. Individuals should have teaching/research experience in molecular or cellular immunology, virology, or infectious disease.

Candidates must possess a strong belief in the values of diversity and multiculturalism. Position requires both the interest and skills for effective interaction with students of multi-ethnic backgrounds in an urban setting.

Salary: Basic Sciences $42,167-67,409 Clinical (M.D.) $52,244-78,309
Assistant Professor
Associate Professor

Interested individuals should send a curriculum vitae, copies of recent publications, a brief statement of future research goals and three letters of reference by 1/17/97 to:

Dr. Richard Colco, Chairman
Department of Microbiology and Immunology
CUNY Medical School
Sophie Davis School of Biomedical Education
138th Street and Convent Avenue - J920
New York, NY 10031

CUNY Medical School has a strong commitment to the principle of diversity. In that spirit we are particularly interested in receiving applications from a broad spectrum of people, including women and under-represented groups. Reasonable accommodations provided for individuals with disabilities upon request.

Purdue University School of Veterinary Medicine; Associate Dean for Research and Graduate Programs

Applications are invited for the position of Associate Dean for Research and Graduate Programs. The successful applicant will be expected to oversee and further develop the School’s research and graduate education programs, foster interdisciplinary research within the School and with other schools of the University, to maintain a strong independent research program, and to contribute to the School’s interdisciplinary programs. It is anticipated that administrative duties of the associate dean will require 50% of the incumbent’s time. Essential qualifications include: evidence of scholarly achievement in a strong basic science research program; a record of success in obtaining extramural funding; and the ability to successfully manage a diverse research program; an understanding of the role and responsibilities of a land grant institution; communication and interpersonal skills to create an organizational culture that promotes excellence and accountability; and a management style of participatory leadership. A Ph.D. degree and a D.V.M. degree or foreign equivalent are strongly preferred. Preference will be given to a person who could join the faculty of the Department of Basic Medical Sciences at the rank of professor, but outstanding candidates with strengths that might be more appropriate for other academic departments in the School will be considered. Nominations should include a brief summary of the qualifications and the address of the nominee. Applicants should send a letter of interest, a curriculum vitae, and the names of four references to the chair of the search committee. Applications received prior to January 15, 1997 will receive full consideration. For more information regarding the School’s research and education programs see www.vet.purdue.edu or contact: Gordon L. Coppoc, D.V.M., Ph.D., Chair, Search Committee, School of Veterinary Medicine, Purdue University, West Lafayette, IN 47907-1246; Fax: 317-494-0781; E-mail: coppoc@vet.purdue.edu Purdue University is an equal opportunity/affirmative action employer.

University of California
San Diego School of Medicine
Tenure Track or Tenured Position
in Immunology

The deadline for an available faculty position in immunology has been extended to February 1, 1997. Areas of interest should include: signal induction in immunological functions, protein trafficking related to receptor assembly and antigen presentation, structure related to function in immunospecific molecules, the role of cytokines, cell adhesion molecules and inflammatory reactions in immune responses, mechanisms of host-pathogen interactions, development of immune systems, functional organization of immunity-relevant organs and mechanisms, and genetics of autoimmune responses. Academic rank and salary will be based on qualifications and experience based on UC scale.

Applicants should have M.D. or Ph.D. degrees with relevant postdoctoral experience and demonstrated ability to conduct an independent research program. Candidates should have relevant publications and interest in molecular and clinical immunology. Candidates should have demonstrated interest and ability to teach in the Immunology sequence. A candidate must have an ACGME accredited fellowship training program and be eligible for Board certification in Immunology.

Applications are invited from candidates having expertise in the following areas: Molecular Immunology; Cell and Molecular Immunology; Cellular Immunology; Neuroimmunology; Infectious Diseases/Infections Immunology; Immunology of the Aging; Immunology of Development, and Immunology in Autoimmune Disease. Candidates are encouraged to apply whose areas of expertise lie within more than one of these areas.

The deadline for applications is February 1, 1997. EOE/AA

HITACHI Advanced Research Laboratory

As one of the leading companies in the world, Hitachi explores frontiers of science and technologies. Since 1985, the Advanced Research Laboratory (ARL) has been concentrating its efforts on electron/radiation beam physics, software science, biotechnology, and materials science with a long-term perspective.

Now ARL invites applications for RESEARCH JOB POSITIONS in the following areas. Postdocs; (1) COMPUTATIONAL NANO-TECHNOLOGY, A nano-designer in computational physics; first-principle band/cluster calculation of electronic, magnetic, and optical properties of artificial nanostructures on solid surfaces. (2) THERAPEUTIC APPLICATIONS OF ULTRASONIC, An ultrasonic expert with interests in biophysics or a biophysicist capable of ultrasonic engineering. (3) NATURAL LANGUAGE PROCESSING, Text analysis and user interface for information access. Target languages are English and/or Japanese. Research group leader; (1) ALLERGY and MOLECULAR IMMUNOLOGY, A scientist or clinician to lead a research group devoted to innovating highly sensitive measurements of allergic processes by using novel biophysical and immunological techniques.

The full position descriptions are available on our website http://www.harl.hitachi.co.jp/job.html or contact by e-mail jinji@harl.hitachi.co.jp.

Administration Section, Advanced Research Laboratory, Hitachi Ltd., Hatoyama-machi, Hiki-gun, Saitama, 350-03 JAPAN.

GLOBAL CAREER OPPORTUNITIES

Inmunology Search Committee
C/o Gordon N. Gill, M.D.
University of California, San Diego
9500 Gilman Drive #119, CMM-W Bldg.
La Jolla, CA 92039-0650
EOE/AA

GLOBAL CAREER OPPORTUNITIES

Inmunology Search Committee
C/o Gordon N. Gill, M.D.
University of California, San Diego
9500 Gilman Drive #119, CMM-W Bldg.
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POSTDOCTORAL POSITION

RESEARCH INVESTIGATOR

MASS SPECTROMETRY

One-year POSTDOCTORAL POSITION available immediately, using mass spectrometry to study protein conjugation. Requires a Ph.D. in chemistry/biochemistry or analytical chemistry with demonstrated accomplishment in structural elucidation of complex organic molecules and experience in peptide/mass spectrometry. Previous HPLC/electrospray experience is highly desirable. RedCell, Inc., a biopharmaceutical company developing therapeutic products based on red cell mediated therapy, offers an energetic environment and an opportunity for research in a rapidly changing field. Fax your resume to: Allen Krantz, Executive Vice President, Red Cell Research, Inc., 270 Hafnerfield Avenue, South San Francisco, CA 94080. FAX: 415-827-0126. RedCell is an Equal Opportunity Employer.

POSTDOCTORAL POSITION

AUTOIMMUNITY


POSTDOCTORAL POSITION

AUTOMOBILE


POSTDOCTORAL POSITIONS

available to study transcriptional regulation and neuronal/glial differentiation during mouse embryonic development. Experience in protein biochemistry, molecular biology, and analysis of transgenic mouse techniques is preferred. Please send curriculum vitae and a list of references to Sadhan Majumder, MD Anderson Cancer Center, 1515 Holcombe Boulevard, Box 100, Houston, TX 77259. Telephone: 713-792-8920; FAX: 713-792-6054; Email: majumder@utmdacc.mda.uth.tmcx.edu. University of Texas MD Anderson Cancer Center is a smoke-free environment.

POSTDOCTORAL POSITIONS

available to study control mechanisms of cytokine signal transduction and gene expression. Candidates with background in molecular biology or biochemistry should send curriculum vitae and addresses of three references to: Dr. Yu-Chung Yang, Departments of Medicine (Hem/Onco) and Biochemistry/Molecular Biology, Washington University School of Medicine, 660 South Euclid Avenue, St. Louis, MO 63110. Telephone: 314-577-5124; Fax: 314-577-5892; Email: yu-chung.yang@wustl.edu.

POSTDOCTORAL RESEARCH ASSOCIATE

Position available immediately for candidate with experience in genetic linkage analysis and DNA sequencing. The successful candidate will be responsible for gene synthesis, expression, purification, and mutagenesis of octa-de novo designed 8-residue peptide that adopts a helical hairpin conformation. Experience with DNA synthesis and molecular biology techniques is desirable. Send curriculum vitae and names of three references to: Dr. John J. Osterhout, osterhout@rowland.org or The Rowland Institute for Science, 100 Edwin H. Land Boulevard, Cambridge, MA 02142.

POSTDOCTORAL POSITIONS

are available to study mechanisms of synaptic transmission and design. The successful candidate will be responsible for gene synthesis, expression, purification, and mutagenesis of octa-de novo designed 8-residue peptide that adopts a helical hairpin conformation. Experience with DNA synthesis and molecular biology techniques is desirable. Send curriculum vitae and names of three references to: Dr. John J. Osterhout, osterhout@rowland.org or The Rowland Institute for Science, 100 Edwin H. Land Boulevard, Cambridge, MA 02142.

POSTDOCTORAL POSITIONS

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GLOBAL CAREER OPPORTUNITIES

MRC
MEDICAL RESEARCH COUNCIL
LABORATORY OF MOLECULAR BIOLOGY
CAMBRIDGE
MOLECULAR BIOLOGY OF HIV

A postdoctoral position funded by the MRC AIDS Directed Programme is available in the group headed by Dr. J. Karn at the Laboratory of Molecular Biology, Cambridge. The work of the group focuses on the HIV regulatory proteins Tat and Rev. Ongoing projects range from structural studies of the complexes formed between Tat and Rev and their RNA-recognition sites to biochemical and genetic studies of the mechanisms of actions of Tat and Rev (for recent papers see Keen et al., 1996 Proc. Natl. Acad. Sci. USA, 93, 2905-2910; Mikaelian et al., 1996 J. Mol. Biol. 257, 246-264; Chur, et al., 1995 Proc. Natl. Acad. Sci. USA, 92, 2405-2412; Rittner et al., 1995 J. Mol. Biol. 248, 562-580). Experience will be preferred in the biochemistry of transcription, molecular virology, and/or gene expression in mammalian cells.

The post is available for three years. Starting salary will be between £17,127 per annum and £23,045 per annum depending on experience. Further information can be obtained from Dr. J. Karn, Tel (01223) 402376, Fax (01223) 412282, email: karn@mrc-lmb.cam.ac.uk

Applications including two copies of a full CV, a list of publications, reprints of no more than three papers, and the names and addresses of three professional referees should be sent by 30 January 1997 quoting reference PNAC/ADP to: Mr. B. Tillson, Personnel Manager, MRC Centre, Hills Road, Cambridge, CB2 2QH U.K.

Applications from overseas are welcome.

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Titan™ One Tube RT-PCR System . . . Take RT-PCR Sensitivity and Convenience to New Heights

Like to top the RT-PCR performance you’re getting from M-MuLV RNase H’ Reverse Transcriptase and Taq? With higher yields and no requirement to change buffers between the RT and PCR steps? By switching to Boehringer Mannheim’s Titan™ One Tube RT-PCR System, now you can!

Exceed the sensitivity limits of the two-step RT-PCR method

In side-by-side comparisons, the Titan System delivers superior sensitivity, detecting mRNAs in a single cell equivalent, while the traditional two-step method using an RNase H’ RT and Taq requires 400 cell equivalents for detection!

Achieve better results with less effort

- **specificity**—Perform RT reactions at elevated temperatures (50-60°C) to overcome problems arising from complex secondary structures. By minimizing false priming, this ensures better PCR specificity.
- **convenience**—Avoid the need to change buffers between the RT reaction and PCR with this “set up and walk away” system. This eliminates 4 pipetting steps and reduces the need for additional optimization. You’ll increase the reliability of your results while reducing the risk of contamination.

Switch to the Titan System today!

Enjoy improved results and productivity by ordering a trial size (Cat. No. 1888 382, 25 reactions) of the Titan™ One Tube RT-PCR System from Boehringer Mannheim—your Partner for Premium Performance RT-PCR.

Titan™ is a trademark of Boehringer Mannheim. Purchase of this product is accompanied by a limited license to use it in the Polymerase Chain Reaction (PCR) process for life science research in conjunction with a thermal cycler whose use in the automated performance of the PCR process is covered by the up-front license fee, either by payment to Perkin-Elmer or as purchased, i.e., an authorized thermal cycler.

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With your new XL Upgrade, the ABI PRISM™ 377 DNA Sequencer outdoes itself.

The ABI PRISM 377 DNA Sequencer brought unprecedented productivity to automated DNA sequencing and PCR analysis with new levels of speed, throughput, and reliability. Now, the new XL Upgrade increases that productivity by more than 70%. And it's easy to install on any new or existing ABI PRISM 377 system.

With the XL Upgrade, an ABI PRISM 377 can run 64 samples per gel in the same time it used to run 36 samples. The complete upgrade consists of a 48- or 64-well comb, new hardware, faster sample scanning, and new high-speed data collection software.

What's more, the XL Upgrade uses standard ABI PRISM 377 gels and supports ABI PRISM DNA Sequencing and GeneScan® analysis software with enhanced lane tracking algorithms and powerful new data display features.

Find out how easy it is to get 70% more out of an ABI PRISM 377. In the U.S., call PE Applied Biosystems toll free at 1-800-345-5224. Outside the U.S., contact your local sales representative. On the Internet: www.perkin-elmer.com/ab.

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PE Applied Biosystems PCR reagents are developed and manufactured by Roche Molecular Systems, Inc., Branchburg, New Jersey, U.S.A. Roche

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